Remedial Investigation/ Interim Remedial Measures/ Alternatives Analysis Report

348 Langner Road Site
West Seneca, New York

Revised November 2013 0123-012-002

Prepared For:

Delta Sonic Car Wash Systems, Inc.

Prepared By:

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REMEDIAL INVESTIGATION / INTERIM REMEDIAL MEASURES / ALTERNATIVES ANALYSIS REPORT

348 LANGNER ROAD SITE

WEST SENECA, NEW YORK

BCP SITE No. C915256

Revised November 2013 0123-012-002

Prepared for:

Delta Sonic Car Wash Systems, Inc.

Prepared By:

TurnKey Environmental Restoration, LLC

In Association With:

Benchmark Environmental Engineering & Science, PLLC

RI/IRM/AA REPORT
348 Langner Road Site

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Certification

I, Thomas H. Forbes, certify that I am currently a NYS registered professional engineer as defined in 6NYCRR Part 375 and that this Remedial Investigation/Interim Remedial Measures/Alternatives Analysis Report (RI/IRM/AAR) was prepared in general accordance with applicable statutes and regulations and in general conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that activities were performed in general accordance with the DER-approved work plan and any DER-approved modifications.

11-8-13
Date

1.0 INTRODUCTION

This Remedial Investigation/Interim Remedial Measures/Alternatives Analysis Report (RI/IRM/AAR) has been prepared on behalf Delta Sonic Car Wash Systems, Inc. (Delta Sonic) for the 348 Langner Road Site, located in the Town of West Seneca, Erie County, New York (Site; see Figures 1 and 2).

Delta Sonic elected to pursue cleanup and redevelopment of the Site under the New York State Brownfield Cleanup Program (BCP), and executed an amended Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) in March 2012 (BCP Site No. C915256). The RI/IRM Work Plan was approved by the NYSDEC, with concurrence of the New York State Department of Health (NYSDOH), on January 26, 2012. TurnKey Environmental Restoration, LLC (TurnKey) performed RI activities at the Site in March 2012, and IRM activities were completed at the Site from August - September 2012 and May - June 2013.

1.1 Purpose and Scope

This RI/IRM/AAR has been prepared on behalf of Delta Sonic to describe and present the findings of the RI and IRM activities, and evaluate remedial alternatives for the Site.

This report contains the following sections:

- Section 2.0 presents the approach for the RI
- Section 3.0 describes the physical characteristics of the Site as they pertain to the investigation findings
- Section 4.0 presents the investigation results by media
- Section 5.0 summarizes the IRM activities
- Section 6.0 describes the fate and transport of the constituents of primary concern (COPCs).
- Section 7.0 presents the qualitative risk assessment.
- Section 8.0 evaluates remedial alternatives for the Site.
- Section 9.0 presents the RI/IRM/AA summary and conclusions

- Section 10.0 provides a list of references for this report.

1.2 Background

1.2.1 Property and Site Description

The BCP property located at 348 Langner Road, in the Town of West Seneca, New York (Erie County S.B.L. No. 143.05-2-1.111) is an approximate 2.6-acre parcel. The Site is bound by Langner Road to the east, Ridge Road to the north, vacant land (overhead utility) and rail line to the west, and commercial buildings to the south. The Site had been operated as a gasoline service station since at least the 1950s. Prior to IRM activities the Site contained two buildings (car wash building and convenience store building) two petroleum tank farm areas, a product dispenser canopy, and associated parking areas (see Figure 2). Building #1 refers to the former convenience store which had been located along the north border of the Site; and Building #2 refers to the existing car wash building along the eastern boundary of the Site.

1.2.2 Previous Investigations

Benchmark Environmental Engineering and Science, PLLC (Benchmark) conducted an environmental site investigation of the subject property in December of 2009. Nine soil borings, identified as SB-1 through SB-9 were advanced at locations shown on Figure 3. Soil/fill samples were collected for Target Compound List (TCL) volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs). In addition, four of the boring locations were completed as temporary monitoring wells, identified as TMW-1 through TMW-4. The findings are described in the Limited Phase II Site Investigation Report (January 2010) and summarized below.

- Visual and olfactory evidence of impacted soil/fill was noted in multiple soil boring locations by field personnel. Elevated PID readings for volatile organic compounds (VOCs) were detected in multiple locations across the site, with readings as high as 777 ppm being detected.
- Petroleum-impacted soil with elevated VOCs was detected at two soil boring locations in the area of USTs west of the car wash building.

- VOCs were detected in groundwater exceeding NYSDEC groundwater quality standards (GWQS) in temporary monitoring wells on the Site.

Based on the data collected during the site investigation, the NYSDEC was contacted and Spill No. 0910758 was opened. The NYSDEC Spills file was administratively closed upon acceptance in the BCP. All remedial measures related to the Spill were completed under the BCP with NYSDEC approval. Historic soil and groundwater results are summarized in Tables 2 and 4.

1.3 Constituents of Potential Concern (COPCs)

Based on the findings related to historic use of the Site, the Constituents of Potential Concern (COPCs) are presented below:

- ***Soil:*** Petroleum VOCs and SVOCs
- ***Groundwater:*** Petroleum VOCs

2.0 INVESTIGATION APPROACH

The purpose of the RI field activities was to define the nature and extent of contamination on the BCP Site, and to collect data of sufficient quantity and quality to perform the remedial alternatives evaluation. The field investigation was completed across the BCP Site to supplement previous environmental data and to delineate areas requiring remediation. Field activities included: advancement of soil borings; subsurface soil sampling; monitoring well installation; groundwater sampling; and, collection of hydrogeologic data.

Field team personnel collected environmental samples in accordance with the rationale and protocols described in the Quality Assurance Project Plan (QAPP). USEPA and NYSDEC-approved sample collection and handling techniques were utilized during field activities. Samples for chemical analysis were analyzed in accordance with USEPA SW-846 methodology with an equivalent Category B deliverable package to meet the definitive-level data requirements. Analytical results were evaluated by a third-party data validation expert in accordance with provisions described in the QAPP.

The investigation activities are described below. Figure 3 presents the RI sample locations including historic sample locations. Appendix A contains photographs of field activities. Boring logs are included in Appendix B.

2.1 RI Soil/Fill Investigation

A soil/fill investigation was completed across the site to supplement previous environmental data and to further delineate known contamination on-Site. The soil/fill investigation included the advancement of soil borings which were advanced across the Site on March 19th through 21st, 2012. In accordance with the approved work plan, no surface samples were collected as the Site predominantly is covered by buildings and asphalt parking areas.

2.1.1 Subsurface Soil/Fill

The subsurface soil/fill investigation included the advancement of 21 soil borings, identified as SB-10 through SB-30 across the Site (see Figure 3). Soil borings were advanced using direct-push drilling techniques to a target depth of approximately 16 feet below ground

surface (fbgs) or refusal. Subsurface soil/fill samples were field-screened for the presence of VOCs using a field photoionization detector (PID).

RI subsurface soil/fill samples were advanced across the Site to investigate and characterize on-Site soil/fill, and delineate known historic petroleum impacts. The Limited Phase II Investigation and RI resulted in the collection of a total of 30 subsurface soil/fill samples on-Site, including ten (10) borings samples assessing the upper 0-4 fbgs soil/fill, 15 boring samples were collected from the 4-10 fbgs to assess the native clay, and one (1) sample from the 10-15 fbgs to assess the native clay-till. It should be noted that four subsurface samples were collected from the 8-10 fbgs interval and these results were also used to characterize and evaluate the deeper 10-16 fbgs interval based on the similar nature of the subsurface geology at those boring locations. RI and historic soil boring logs are provided in Appendix B. A description of the on-Site soil geology is included in Section 3 below.

2.1.2 Soil/Fill Sample Collection and Analyses

Soil/fill samples were collected using dedicated stainless steel sampling tools. Representative soil samples were placed in pre-cleaned laboratory provided sample bottles, cooled to 4ºC in the field, and transported under chain-of-custody command to a NYSDOH ELAP-certified analytical laboratory.

All RI subsurface soil/fill samples were analyzed for Target Compound List (TCL) SVOCs. Seven (7) RI sample locations, identified as SB-12, SB-13, SB-15, SB-19, SB-23, SB-24, and SB-27 were analyzed for TCL plus STARS VOCs. Site characterization samples for pesticides, herbicides, polychlorinated biphenyls (PCBs), and Target Analyte List (TAL) metals were collected from SB-12, SB-13, SB-23, and SB-24.

All samples were collected and analyzed in accordance with USEPA SW-846 methodology with equivalent NYSDEC Category B deliverables to allow for independent third-party data usability assessment.

2.2 Groundwater Investigation

TurnKey personnel provided oversight for the installation of nine new groundwater monitoring wells (i.e., MW-1 through MW-9) to investigate groundwater flow and quality.

Details of the well installation, well development, and groundwater sampling are provided below. Figure 3 presents the location of the monitoring well network.

2.2.1 Monitoring Well Installation

After completion of the subsurface soil investigation, nine (9) soil boring locations were subsequently converted to monitoring wells, identified as SB-10/MW-1, SB-12/MW-2, SB-15/MW-3, SB-17MW-4, SB-19/MW-5, SB-22/MW-6, SB-26/MW-7, SB-28/MW-8 and SB-30/MW-9. The monitoring wells were installed using a direct-push drill rig capable of advancing hollow-stem augers to install two-inch inside diameter (ID) monitoring wells in accordance with the approved RI/IRM Work Plan. Monitoring well construction details are presented on the Field Borehole Logs in Appendix B. Locations of the monitoring wells are presented on Figures 3 and 4.

2.2.2 Groundwater Sample Collection

The nine newly installed monitoring wells were developed on March 26th, 2012 in general accordance with the approved Work Plan. After completion of well development, TurnKey personnel purged and sampled monitoring wells using a pump and dedicated pump tubing following low-flow/minimal drawdown purge and sample collection procedures on March 27, 2012. Field measurements for pH, specific conductance, temperature, turbidity, dissolved oxygen, and water levels, as well as visual and olfactory field observations, were periodically recorded and monitored for stabilization. All collected groundwater samples were placed in pre-cleaned, pre-preserved laboratory provided sample bottles, cooled to 4°C in the field, and transported under chain-of-custody command to a NYSDOH ELAP-certified analytical laboratory.

2.2.3 Groundwater Sample Analyses

All groundwater samples collected from wells SB-10/MW-1, SB-12/MW-2, SB-15/MW-3, SB-17/MW-4, SB-19/MW-5, SB-22/MW-6, SB-26/MW-7, SB-28/MW-8 and SB-30/MW-9 were analyzed for TCL plus STARS list VOCs, TCL SVOCs, TAL metals, pesticides, herbicides, and PCBs in accordance with the approved Work Plan.

All sampling was performed in accordance with USEPA SW-846 methodology with equivalent NYSDEC Category B deliverables to allow for independent third-party data usability assessment.

2.2.4 Additional Groundwater Monitoring

At the Department's request, an additional round of groundwater sampling was completed in September 2013 after completion of the RI and IRMs. During IRM and redevelopment excavations, MW-1 through MW-8 were removed in their entirety by the remedial and/or site redevelopment contractors. Three one-inch temporary monitoring wells, identified as MW-1r, MW-3r and MW-5r, were installed in approximately the same location as the former well locations. Four groundwater samples were collected form MW-1r, MW-3r, MW-5r and MW-9 and analyzed for TCL plus STARS VOCs, pesticides and herbicides, as requested by the Department. Results of the additional groundwater sampling are included in Section 4.2 below.

2.3 Field Specific Quality Assurance/Quality Control Sampling

In addition to the subsurface soil/fill and groundwater samples described above, field-specific quality assurance/quality control (QA/QC) samples were collected and analyzed to ensure the reliability of the generated data as described in the QAPP and to support the required third-party data usability assessment effort. Site-specific QA/QC samples included matrix spikes, matrix spike duplicates, blind duplicates, and trip blanks.

2.4 Site Mapping

A Site map was developed during the RI field investigation. All sample points and relevant Site features were located on the map. TurnKey personnel employed a handheld GPS unit to identify sample locations relative to State planar grid coordinates. Monitoring well elevations were measured by TurnKey's surveyor. An isopotential map showing the groundwater elevations was prepared based on water level measurements relative to the Site vertical datum (see Figure 4).

3.0 SITE PHYSICAL CHARACTERISTICS

The physical characteristics of the Site observed during the RI are described in the following sections.

3.1 Site Topography and Drainage

The Site is generally flat lying with limited distinguishable Site features. The surface was predominately covered with pavement (i.e. asphalt and concrete), and foundations related to the former Building No. 1 and existing car wash Building #2. Precipitation (i.e., rain or melting snow) moves to the storm drains on-Site and in the roadways via overland flow.

3.2 Geology and Hydrogeology

3.2.1 Overburden

The U.S. Department of Agriculture Soil Conservation Service soil survey map of Erie County describes the general soil type at the Site as a combination of Urban Land (Ud) and Niagara Silt Loam (NfA), with 0-3 percent slopes. This is indicative of the level to gently sloping land with at least 40 percent of the soil surface covered by asphalt, concrete, buildings, or other impervious structures typical of an urban environment.

The geology at the Site was investigated during the previous investigation and RI. The on-Site geology was generally described as asphalt surface cover with approximately 1 to 2 feet of underlying asphalt and sub base overlying reworked soil/fill to approximately 1 to 4 fbgs. Native brown silty clay to was found to be present from approximately 1 to 11 fbgs with native grey and brown till beneath. RI and historic soil boring logs are provided in Appendix B.

3.2.2 Bedrock

Based on the bedrock geologic map of Erie County, the Site is situated over the Hamilton Group Formation of the Middle Devonian Series. The Hamilton Group, Skaneateles Formation is comprised of Levanna Shale, and Stratford Limestone. The unit has an approximate thickness of 200 to 500 feet. Structurally, the bedrock formations strike in an east-west direction and exhibit a regional dip that approximates 50 feet per mile (3 to 5

degrees) toward the south and southwest. Bedrock was not encountered during RI/IRM activities.

3.2.3 Hydrogeology

Based on depth to groundwater measurements and calculated groundwater elevations completed during the RI, shallow groundwater flows inward toward the center of the Site. Site and local topography heavily influence this flow pattern (e.g., elevated roadways along the northern and eastern boundaries). Groundwater within Site monitoring wells was typically encountered between 1.0 to 6.0 fbgs. Figure 4 presents the shallow groundwater isopotential map for the Site. A summary of the Site monitoring wells and calculated groundwater elevations used to prepare the isopotential map are shown on Table 6.

4.0 INVESTIGATION RESULTS BY MEDIA

The following sections discuss the analytical results of the Remedial Investigation. Tables 2 through 5 summarize the soil/fill and groundwater analytical data, respectively. Appendix C includes the laboratory analytical data packages. Sample locations are shown on Figure 3.

4.1 Subsurface Soil/Fill

4.1.1 Volatile Organic Compounds

All VOC analytical results were below Residential Use SCOs, with the vast majority being reported below Unrestricted Use SCOs during the RI. Ethylbenzene and xylene were detected slightly above their respective Unrestricted Use SCO in SB-23 and SB-24, and 1,2,4-trimethylbenzene was detected slightly above its Unrestricted Use SCOs in SB-24 (see Table 3).

It should be noted that all analytical results reported above Unrestricted Use were flagged as "estimated" values from the laboratory, and that both SB-23 and SB-24 were removed during the IRM activities (see Section 5 below).

4.1.2 Semi-Volatile Organic Compounds

The vast majority of SVOCs were reported as non-detectable or at trace (estimated) concentrations by the analytical laboratory. No SVOCs were detected above Unrestricted Use SCOs with the exception of select polycyclic aromatic hydrocarbons (PAHs). One analyte, benzo(a)pyrene, was detected above its Commercial Use SCO in SB-16 (see Table 3). SB-16 was removed during redevelopment activities.

4.1.3 Inorganic Compounds

No metals were detected above Unrestricted Use SCOs during the RI with the minor exception of nickel in SB-12, SB-23, and SB-24. All results were reported below Residential Use SCOs.

4.1.4 Pesticides, Herbicides and Polychlorinated Biphenyls

No pesticides, herbicides, or PCBs were detected above Unrestricted Use SCOs.

4.1.5 Subsurface Soil/Fill Summary

As described above, no VOCs, metals, PCBs, pesticides or herbicides were detected above their respective Part 375 Residential Use SCOs. The vast majority of SVOCs were reported below Residential Use SCOS, with only one PAH (benzo(a)pyrene) detected above its Commercial Use SCO, which was removed during redevelopment activities.

4.2 Groundwater

TurnKey personnel provided oversight for the installation of groundwater monitoring wells to investigate on-Site groundwater flow and quality. Details of the well installation, well development and groundwater sampling are provided below. Figure 4 presents the location of the monitoring well network. Tables 5 presents a comparison of the detected groundwater parameters to the Class GA Groundwater Quality Standards (GWQS) per NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (June 1988). Historic groundwater analytical results are included on Table 4.

4.2.1 Volatile Organic Compounds

During the RI, the majority of analytes were reported as non-detectable or trace (estimated) concentrations below the laboratory quantitation limit with no VOCs being detected above GWQS (see Table 5). During the additional round of groundwater sampling that was completed in September 2013, methyl tert-butyl ether was detected above GWQS in MW-5r. It should be noted that MW-5r is an upgradient well that is located adjacent to the elevated four-lane express road to the north of the Site.

Historic groundwater analytical results indicate elevated petroleum VOCs in perched groundwater from TWM-2 and TMW-3, which are associated with UST Area #2. These temporary wells were removed during IRM excavation activities, and waters encountered during the excavation were collected and pre-treated prior to approved discharge to the sanitary sewer. Minor exceedances of GWQS in TMW-4 were removed during IRM excavation of the West Excavation Area. Post-excavation confirmatory soil analytical results were below Part 375 Residential Use SCOs.

4.2.2 Semi-Volatile Organic Compounds

No SVOCs were detected above the GWQS. All analytes were reported as non-detectable or trace (estimated) concentrations below the laboratory quantitation limit (see Table 5).

4.2.3 Inorganic Compounds

Metals detected at concentrations above GWQS were limited to naturally-occurring minerals, including iron, magnesium, manganese, and sodium.

4.2.4 Pesticides, Herbicides and Polychlorinated Biphenyls

During the RI, the majority of analytes were reported as non-detectable or trace (estimated) concentrations below the laboratory quantitation limit. All PCBs results were reported by the laboratory as non-detect (ND). Several pesticides and herbicides were detected above their respective GWQS (see Table 5). However, it should be noted that all elevated pesticides and herbicide results are reported as "estimated" values by the laboratory. Furthermore, all soil analytical results for pesticides and herbicides are below Unrestricted Use SCOs.

During the additional round of groundwater samples collected in September 2013, no pesticides or herbicides were detected above the GWQS, with all results being reported as ND (see Table 5).

4.2.5 Summary

As described above, no SVOCs and PCBs, were reported above the GWQS. Metals detected at concentrations above GWQS are primarily naturally occurring minerals, including iron, magnesium, manganese, and sodium. No VOCs were detected above GWQS during the RI, and only one constituent, methyl tert butyl ether, was detected above GWQS during the additional round of groundwater sampling completed in September 2013. It should be noted that the elevated VOC was detected in an upgradient well located adjacent to the elevated roadway to the north of the Site. During the RI, several pesticides and herbicides were detected slightly above their respective GWQS, however, during the additional round of groundwater sampling, no pesticides or herbicides were detected above

GWQS, with the laboratory reporting all results as non-detect. It should also be noted that no pesticides or herbicides were detected above Unrestricted Use SCOs in on-Site soils.

4.3 Data Usability Summary

In accordance with the RI/ IRM Work Plan, the laboratory analytical data from this investigation was assessed and, as required, submitted for independent review. Data Validation Services located in North Creek, New York performed the data usability summary assessment, which involved a review of the summary form information and sample raw data, and a limited review of associated QC raw data. Specifically, the following items were reviewed:

- Laboratory Narrative Discussion
- Custody Documentation
- Holding Times
- Surrogate and Internal Standard Recoveries
- Matrix Spike Recoveries/Duplicate Recoveries
- Field Duplicate Correlation
- Preparation/Calibration Blanks
- Control Spike/Laboratory Control Samples
- Instrumental IDLs
- Calibration/CRI/CRA Standards
- ICP Interference Check Standards
- ICP Serial Dilution Correlations
- Sample Results Verification

The Data Usability Summary Report (DUSR) was conducted using guidance from the USEPA Region 2 validation Standard Operating Procedures, the USEPA National Functional Guidelines for Data Review, as well as professional judgment.

In summary, sample analyses were primarily conducted in compliance with the required analytical protocols. Most sample results are usable either as reported or with qualification. One volatile analyte (1,4-dioxane) results in all samples was rejected, and one PCB (Aroclor 1221) results were rejected in SB-23(1-3). Additional qualifications of the data have been incorporated to the summary data tables.

It should be noted that the data validator indicated that the laboratory's calibration standards for acetone and methylene chloride, exhibited an unacceptable response that suggests this "can be indicative of consistent background contamination" by the laboratory. Appendix D includes the DUSR.

5.0 INTERIM REMEDIAL MEASURES

In accordance with the NYSDEC-approved RI/IRM Work Plan, immediately following the completion of RI fieldwork, an IRM was implemented. As stated in the approved RI/IRM Work Plan, Delta Sonic's intent was for the IRM to substantially or completely constitute the final NYSDEC-approved BCP remedy for the Site. Figure 5 presents the location of IRM excavation areas. Specific elements of the IRM, as implemented, included:

- Demolition of the former Building #1 convenience store, fuel dispensers and associated canopy. Non-impacted asphalt and concrete were recycled off-site.
- Cleaning, excavation and removal of eight (8) USTs including five (5) approximately 4,000 gallon steel USTs from UST Area #1; and three (3) fiberglass reinforced plastic (FRP) USTs, including one 10,000 gallon, one 8,000 gallon and one 6,000 gallon from UST Area #2. Steel USTs were recycled off-Site for scrap, and FRP USTs were crushed on Site and loaded into a Waste Management dumpster and disposed off-site.
- Excavation of approximately 850 tons of non-hazardous petroleum-impacted soil from the UST Area #1 and vent stack areas, followed by off-Site transportation by Mallare Enterprises Inc. for biotreatment at Tonawanda Terminal Biotreatment facility located in Tonawanda, New York. Post-excavation sample results are included on Table 7a.
- Excavation of approximately 2,190 tons of non-hazardous petroleum-impacted soil from the UST Area #2, followed by off-Site transportation by Mallare Enterprises Inc. for biotreatment at Tonawanda Terminal Biotreatment facility in Tonawanda, New York. Post-excavation sample results are included on Table 7b.
- Excavation of approximately 420 tons of non-hazardous petroleum-impacted soil from the canopy and product lines areas, followed by off-Site transportation by Mallare Enterprises Inc. for biotreatment at Tonawanda Terminal Biotreatment facility in Tonawanda, New York. Post-excavation sample results are included on Table 7c.
- Excavation of approximately 150 tons of non-hazardous petroleum-impacted soil from the West Excavation Area, followed by off-Site transportation by Mallare

Enterprises Inc. for biotreatment at Tonawanda Terminal Biotreatment facility in Tonawanda, New York. Post-excavation sample results are included on Table 7d.

- During redevelopment activities (June 2013), approximately 820 tons of petroleum impacted soil/fill was excavated and disposed off-site in the Pre-Wash Pad Area (adjacent to former convenience store). Impacted soil/fill was excavated, and transported off-site for disposal by Greenauer to Town of Tonawanda Landfill located in Tonawanda, New York. Post-excavation sample results are included on Table 7e.
- Collection of 57 post-excavation confirmatory soil samples, including seven (7) sidewall, and four (4) bottom samples from the UST #1 and vent stack area; six (6) side wall and five (5) bottom samples from the Canopy and product lines Area; 12 sidewall and eight (8) bottom samples from the UST #2 Area; four (4) sidewall and one (1) bottom samples from the West Excavation Area; one (1) bottom sample in the vicinity of SB-16; and, six (6) sidewall and three (3) bottom samples from the Pre-Wash Pad Area.
- Site redevelopment grading activities planned for the removal of elevated areas of soil/fill in the southwest quadrant of the site, including SB-11 through SB-16 to approximately 2 feet below surface. The SB-16 Bottom(2-3') sample was collected from below the planned removal depth and results showed conformance with Residential Use SCOs, with one minor exception. Excavation and grading activities in the southwest section of the Site further removed soil from the SB-16/SB-16 bottom area. Adjacent RI and redevelopment sample locations all conform to Residential Use SCOs. This area of the Site is covered in asphalt, concrete and new buildings. SB-16 Bottom results have been included on Table 7c.
- Placement of backfill materials including:
    - Approximately 2,220 tons of approved recycled concrete from Battaglia was utilized for backfilling of the IRM excavation areas, including UST Area #1, product lines and vent lines excavation areas and site grading activities;

- Approximately 1,820 tons of DEC pre-approved backfill soil from Tonawanda Terminal Biotreatment facility in Tonawanda, New York was utilized to backfill UST Area #2; and,
- Approximately 5,500- tons of virgin source backfill material for footers and utility bedding from Buffalo Crushed Stone Wehrle Drive facility in Lancaster New York.
- Approximately 120 cy of landscaping topsoil was brought to the Site by Greenauer from a former farm field, located at 8040 Roll Road, Clarence NY. Topsoil was sampled in accordance with the approved work plan and DER-10; and the analytical results were all below Residential Use SCOs. NYSDEC approved use of the topsoil. Topsoil analytical results are presented on Table 8.

- Approximately 80,000 gallons of waters from the excavation areas was extracted and transferred to on-Site temporary storage tank(s) during IRM activities. The accumulated water was pre-treated and discharged into the sewer under the approved temporary discharge permit from Erie County Sewer District #3 (ECSD No. 3).

Though not a component of the IRMs, excess soil/fill generated during redevelopment activities, including excavations for new building footers and foundation, subgrade utilities, and site paving and grading activities was removed from the Site.

Excess soils removed from the Site include:

- Approximately 6,357 tons of non-impacted excess soil/fill material that was unsuitable for reuse was excavated during redevelopment activities by Greenauer and transported off-site for disposal at the Town of Tonawanda Landfill, located in Tonawanda New York.
- Approximately 4,528 tons of non-impacted excess soil was transported off-site to Tonawanda Terminals biotreatment facility, located in Tonawanda, New York
- Twelve test pits were advanced in the area planned for construction of the new convenience-detail building to assess potential for off-site reuse of excess clean soil. In accordance with DER-10, nine (9) discreet grab samples were collected for TCL

plus STARS VOCs, and four composite samples were collected for TCL SVOCs, TAL metals, PCBs, pesticides and herbicides. All results were below Residential Use SCOs.

- Collection of soil samples to assess potential for off-site reuse of excess clean soil from the new tank farm excavation, including nine (9) discreet grab samples were collected for TCL plus STARS VOCs, and four composite samples were collected for TCL SVOCs, TAL metals, PCBs, pesticides and herbicides. All results were below Residential Use SCOs.
- Approximately 3,800 cy of clean reusable soil was excavated and transported off-site from the new convenience-detail building and new tank farm excavations for reuse on NYSDEC BCP Site No. C915199 located in Lackawanna, New York. In accordance with DER-10, prior to off-site transportation, approvals from both NYSDEC Project Managers were obtained.

The Final Engineering Report, to be submitted as a separate document, includes additional details and supporting documentation of the IRMs.

6.0 FATE AND TRANSPORT OF COPCS

The subsurface soil/fill and groundwater sample analytical results were incorporated with the physical characterization of the Site to evaluate the fate and transport of COPCs in Site media. The mechanisms by which the COPCs can migrate to other areas or media are briefly outlined below. In all instances, the potential pathways are evaluated in the context of post-IRM conditions.

6.1 Fugitive Dust Generation

Volatile and non-volatile chemicals present in soil can be released to ambient air as a result of fugitive dust generation. Petroleum impacted soil/fill was excavated and transported off-Site for disposal and/or biotreatment as part of the IRM activities. Based on the IRMs completed and the future land use, the potential for fugitive dust would be limited to shallow excavations during redevelopment and/or utility repair activities. The vast majority of the RI and IRM subsurface soil samples were below Unrestricted Use SCOs, and remaining soil is below Residential Use SCOs, and as such is protective of human health and environment; and, the planned redevelopment of the Site with the majority of the Site covered by buildings, concrete, and asphalt; therefore, this migration pathway is not considered relevant for on-Site or off-site receptors

6.2 Volatilization

Volatile chemicals present in soil/fill and groundwater may be released to ambient or indoor air through volatilization either from or through the soil/fill underlying building structures. Volatile chemicals typically have a low organic-carbon partition coefficient (K_{oc}), low molecular weight, and a high Henry's Law constant.

After completion of the IRMs, no VOCs were detected in on-Site soils above Unrestricted Use SCOs, with minor exception, and remaining soil is below Residential Use SCOs. One VOC was detected in on-Site groundwater slightly above Class GA GWQS in MW-5r, an upgradient well located along the northern property boundary adjacent to the elevated roadway. IRM post-excavation sidewall and bottom samples from the adjacent pre-wash excavation area nearby were all ND for this constituent, with all post-excavation analytical results below Residential Use SCOs.

Based on the extent of IRM activities and additional excavations, which removed petroleum impacted soil and groundwater, volatilization is not considered a relevant pathway with the planned redevelopment

6.3 Surface Water Runoff

The potential for soil particle transport via surface water runoff is low, as the majority of the Site is planned to be covered by concrete, asphalt and/or buildings. Precipitation waters are collected in on-Site catch basins, and transferred by municipal sewer system and treated ultimately by the Buffalo Sewer Authority. The storm sewer system provides a mechanism for controlled surface water transport but will ultimately result in sediment capture in the Buffalo Sewer Authority's grit chambers followed by disposal at a permitted sanitary landfill. Furthermore, the remedial activities achieved a Residential Use cleanup. As such, surface water runoff is not considered a relevant on-site or off-site contaminant migration pathway.

6.4 Leaching

Leaching refers to chemicals present in soil/fill migrating downward to groundwater as a result of infiltration of precipitation. The completed IRM excavation/removal and off-Site disposal of impacted soil/fill from the Site achieved Unrestricted Use SCOs, with remaining soil below Residential Use SCOs, mitigates potential leaching of chemicals to groundwater. Furthermore, the majority of the Site is covered by impermeable surfaces (i.e., asphalt, concrete, and buildings) which limit infiltration of precipitation. As such, leaching is not considered a relevant on-site or off-site contaminant migration pathway.

6.5 Groundwater Transport

Regional groundwater generally flows to the west to southwest. The on-Site groundwater, however, flows inward toward the center of the Site and is heavily influenced by historic development, as well as the adjacent large-scale commercial developments, especially nearby elevated regional highway and rail lines (see Figure 4). On-Site groundwater flows through a low permeability silty clay geologic unit, with an estimated hydraulic conductivity of $1x10^{-5}$ to $1x10^{-6}$ centimeters per second (cm/s); an effective porosity of 0.423; and a measured average hydraulic gradient of approximately 0.015 ft/ft (well MW-4 to MW-8 and MW-6 to MW-8). A Darcy Flux calculation indicates that shallow

overburden groundwater generally migrates at a rate of approximately $5.69x10^{-4}$ ft/day at the Site.

RI groundwater analytical results, presented in Table 5, only indicated concentrations above GWQS for select naturally occurring metals (e.g., iron, magnesium, manganese, and sodium) and several pesticides/herbicides. Conversely, representative soil samples collected from borings SB-12/MW-2, SB-23, and SB-24 below the water table indicated pesticides/herbicides were either reported as non-detect or at concentrations well below the Unrestricted Use SCO. During the additional round of groundwater sampling in September 2013, no pesticides or herbicides were detected above GWQS, and all results were reported as ND. One VOC, methyl tert butyl ether, was detected above GWQS in MW-5r.

Due to the inward shallow groundwater flow direction at the Site coupled with the surrounding area being serviced by a municipal supplied potable water service, with no evidence of wells in the area of the subject property, off-site contaminant transport via groundwater migration is not considered a relevant migration pathway.

6.6 Exposure Pathways

Based on the results of the RI/IRM and analysis of chemical fate and transport provided above, no pathways were identified through which Site COPCs could reach on-Site and/or off-site receptors at significant exposure point concentrations.

7.0 QUALITATIVE RISK ASSESSMENT

7.1 Potential Human Health Risks

The 348 Langner Road Site is currently being redeveloped as a new car wash, convenience and automobile fueling facility. The planned commercial use is consistent with the surrounding property use and Site zoning. As such, under current conditions (i.e. redevelopment) human contact with the Site can be expected to occur primarily by two types of receptors: trespassers who may traverse the property, and construction workers. Trespassers may be comprised of adolescents or adults, whereas construction workers would be limited to adults. In both instances, exposure frequency is expected to be minimal. For trespasser and construction workers, the Site contaminants in soil were removed to below residential use.

The reasonably anticipated future use of the Site is consistent with its former commercial use and zoning, with exposed receptors comprised of adults who may work on the property in an occupational setting, customers (adults, adolescents and children) who visit the property for short durations, and occasional construction workers who may access subsurface utilities during non-routine maintenance activities. Site soils were remediated to below residential use levels, and based on the extent to which the Site is primarily covered by asphalt, concrete and buildings, the construction worker is considered the only potential receptor to residual subsurface soils. As stated above, the Site has achieved a Residential Use cleanup and is therefore fully protective of the non-routine construction worker exposure.

For groundwater, given the extent of soil/fill and groundwater removed during the IRMs; and, the availability of municipal water source at the Site, the potential for routine direct human contact or ingestion (i.e., as might occur with use of on-Site groundwater water for potable or process purposes) is highly unlikely. Non-routine contact with Site groundwater is expected to be limited to short durations under specific construction conditions (e.g., a construction worker managing groundwater during deep excavation work). Given the limited frequency and duration of these non-routine activities direct groundwater exposure pathways for on-Site receptors are not considered significant.

The IRMs were completed to reduce/eliminate exposure to COPCs and were successful in achieving Residential Use SCOs.

7.2 Potential Ecological Risks

The 348 Langner Road BCP Site has operated as a commercial car wash facility located within a highly developed area in the Town of West Seneca. The reasonably anticipated future use is commercial with the majority of the Site covered by buildings, concrete sidewalks and asphalt, which provide little or no wildlife habitat or food value. Adjacent properties are utilized as commercial operations, including self-storage and large-scale retail (Home Depot), high-voltage electrical utility lines and rail line corridor.

Furthermore, the remedial activities achieved a residential use cleanup, and no natural waterways are present on or adjacent to the Site. As such, no unacceptable ecological risks are anticipated under the current or reasonably anticipated future use scenario.

8.0 REMEDIAL ALTERNATIVES EVALUATION

8.1 Remedial Action Objectives

The final remedial measures for the 348 Langner Road Site must satisfy Remedial Action Objectives (RAOs). Remedial Action Objectives are site-specific statements that convey the goals for minimizing or eliminating substantial risks to public health and the environment.

Appropriate RAOs for the 348 Langner Road Site are:

8.1.1 Former UST System RAO

- Removal historic UST system (Tank Farm #1 and Tank Farm #2), including piping and contents

8.1.2 Soil/Fill RAOs

- Remove petroleum-impacted soil/fill
- Prevent ingestion of or direct contact with contaminated soil/fill
- Prevent migration of contaminants that would result in groundwater and/or surface water contamination.

8.1.3 Groundwater RAOs

- Remove source area of potential groundwater contamination.
- Prevent ingestion of or direct contact with groundwater containing contaminant levels exceeding SCGs

8.2 Evaluation of Alternatives

In addition to achieving RAOs, NYSDEC's Brownfield Cleanup Program calls for remedy evaluation in accordance with Part 375-1.8(f) and DER-10 Technical Guidance for Site Investigation and Remediation. Specifically, the guidance states "When proposing an appropriate remedy, the person responsible for conducting the investigation and/or remediation should identify and develop a remedial action that is based on the following criteria..:"

- **Overall Protection of Public Health and the Environment**. This criterion is an evaluation of the remedy's ability to protect public health and the environment, assessing how risks posed through each existing or potential pathway of exposure are eliminated, reduced, or controlled through removal, treatment, engineering controls, or institutional controls.
- **Compliance with Standards, Criteria, and Guidance (SCGs)**. Compliance with SCGs addresses whether a remedy will meet applicable environmental laws, regulations, standards, and guidance.
- **Long-Term Effectiveness and Permanence**. This criterion evaluates the long-term effectiveness of the remedy after implementation. If wastes or treated residuals remain on-site after the selected remedy has been implemented, the following items are evaluated: (i) the magnitude of the remaining risks (i.e., will there be any significant threats, exposure pathways, or risks to the community and environment from the remaining wastes or treated residuals), (ii) the adequacy of the engineering and institutional controls intended to limit the risk, (iii) the reliability of these controls, and (iv) the ability of the remedy to continue to meet RAOs in the future.
- **Reduction of Toxicity, Mobility or Volume with Treatment**. This criterion evaluates the remedy's ability to reduce the toxicity, mobility, or volume of Site contamination. Preference is given to remedies that permanently and significantly reduce the toxicity, mobility, or volume of the wastes at the Site.
- **Short-Term Effectiveness**. Short-term effectiveness is an evaluation of the potential short-term adverse impacts and risks of the remedy upon the community, the workers, and the environment during construction and/or implementation. This includes a discussion of how the identified adverse impacts and health risks to the community or workers at the Site will be controlled, and the effectiveness of the controls. This criterion also includes a discussion of engineering controls that will be used to mitigate short term impacts (i.e., dust control measures), and an estimate of the length of time needed to achieve the remedial objectives.

- **Implementation**. The implementation criterion evaluates the technical and administrative feasibility of implementing the remedy. Technical feasibility includes the difficulties associated with the construction and the ability to monitor the effectiveness of the remedy. For administrative feasibility, the availability of the necessary personnel and material is evaluated along with potential difficulties in obtaining specific operating approvals, access for construction, etc.
- **Cost**. Capital, operation, maintenance, and monitoring costs are estimated for the remedy and presented on a present worth basis.
- **Community Acceptance**. This criterion evaluates the public's comments, concerns, and overall perception of the remedy.
- **Land Use –** This criterion includes the Department's determination of reasonable certainty of the use; and the evaluation of the reasonably anticipated future use of the site.

8.3 Anticipated Future Land Use Evaluation

In developing and screening remedial alternatives, NYSDEC's Part 375 regulations require that the reasonableness of the anticipated future land be factored into the evaluation. The regulations identify 16 criteria that must be considered. These criteria and the resultant outcome for the 348 Langner Road Site are presented below.

1. *Current use and historical and/or recent development patterns:* The 348 Langner Road Site has historically been operated as a gas station since at least the 1950s. The Site is located in a highly developed commercial retail area in the Town of West Seneca. The Site is presently being redeveloped with a new enhanced convenience store, car wash and detailing center and automobile fueling operation. **Accordingly, commercial site redevelopment would be consistent with historic site use.**

2. *Applicable zoning laws and maps:* The Site is located in an area of the Town of West Seneca zoned for Commercial Use. **Continued use in a commercial capacity is consistent with current zoning.**

3. *Brownfield opportunity areas as designated set forth in GML 970-r:* The Brownfield Opportunity Area (BOA) Program provides municipalities and community based organizations with assistance to complete revitalization plans and implementation strategies for areas or communities affected by the presence of brownfield sites, and site assessments for strategic sites. **The subject property does not lie within a BOA.**

4. *Applicable comprehensive community master plans, local waterfront revitalization plans as provided for in ECL article 42, or any other applicable land use plan formally adopted by a municipality:* The 348 Langner Road Site does not fall within the boundaries of any designated redevelopment plan. **Sites outside of such designated revitalization or waterfront development areas are not likely to require rezoning or change in use.**

5. *Proximity to real property currently used for residential use, and to urban, commercial, industrial, agricultural and recreational areas:* The surrounding land is comprised of commercial use parcels. **Nearby and adjacent property are commercially used. Maintaining the use of the Site in a commercial capacity is consistent with surrounding property.**

6. *Any written and oral comments submitted by members of the public on the proposed use as part of the activities performed pursuant to the citizen participation plan:* **No comments have been received from the public relevant to Site use concerns.**

7. *Environmental justice concerns, which include the extent to which the proposed use may reasonably be expected to cause or increase a disproportionate burden on the community in which the site is located, including low-income minority communities, or to result in a disproportionate concentration of commercial or industrial uses in what has historically been a mixed use or residential community:* **Nearby and adjacent property is actively used in a commercial capacity. Maintaining use of the site in a commercial capacity does not pose environmental justice issues.**

8. *Federal or State land use designations:* The property is designated Commercial Land Use by the Town of West Seneca (GIS). **Redevelopment is consistent with the current land use designation.**

9. *Population growth patterns and projections:* The City of West Seneca, encompassing 21.36 square miles, has a population of 44,711 (2010 US Census Bureau), a decrease of 2.68% from the 2000 U.S. Census. A slight decrease in population is not expected to have a significant impact on the housing market**. Reuse of the Site in a non-residential capacity does not materially affect opportunities for residential growth.**

10. *Accessibility to existing infrastructure:* Access to the Site is from Langner Road. Utilities (sewer, water, electric, and gas) are present along the adjacent Ridge Road and Langner Road**. Existing infrastructure supports reuse in a commercial capacity**.

11. *Proximity of the site to important cultural resources, including federal or State historic or heritage sites or Native American religious sites*: **No such resources or sites are known to be present on or adjacent to the Site.**

12. *Natural resources, including proximity of the site to important federal, State or local natural resources, including waterways, wildlife refuges, wetlands, or critical habitats of endangered or threatened species:* The Erie County Internet Mapping System shows that State or Federal wetlands do not exist on the subject property. The NYSDEC regulated freshwater wetland (BU-16) is located approximately 0.75-miles southwest of the Site. **The absence of significant ecological resources on or adjacent to the Site indicates that cleanup to restricted use conditions will not pose an ecological threat.**

13. *Potential vulnerability of groundwater to contamination that might emanate from the site, including proximity to wellhead protection and groundwater recharge areas and other areas identified by the Department and the State's comprehensive groundwater remediation and protection program*

established set forth in ECL article 15 title 31: Groundwater at the Site is assigned Class "GA" by 6NYCRR Part 701.15. Nine groundwater monitoring wells were installed during the RI. Groundwater data obtained during the RI indicates metals detected at concentrations above GWQS are primarily naturally occurring minerals. Several pesticides were detected slightly above their respective GWQS, though all reported constituents were qualified as "estimated" values by the laboratory. It should also be noted that no pesticides or herbicides were detected above Unrestricted Use SCOs in on-Site soils. Historic groundwater data indicated elevated VOCs in perched groundwater primarily associated with the former UST Area #2. IRM activities removed petroleum impacted source area soils and groundwater. There are no groundwater supply wells present on the Site. Regionally, groundwater in the area has not been developed for industrial, agriculture, or public supply purposes. Potable water service is provided by the local municipal water authority. **The absence of potable wells, wellhead protection and groundwater recharge areas indicates that cleanup to restricted use conditions will not pose a drinking water threat.**

14. *Proximity to flood plains:* The Erie County Internet Mapping System indicates that the NYSDEC regulated freshwater wetland (BU-16), located approximately 0.75-miles southwest from the Site. No flood zones are present on the property; there is no risk of significant soil erosion due to flooding. **As such, cleanup does not pose a threat to surface water.**

15. *Geography and geology:* The Site is situated over the Hamilton Group Formation of the Middle Devonian Series. The Hamilton Group, Skaneateles Formation is comprised of Levanna Shale, and Stratford Limestonea combination of Urban Land (Ud) and Niagara Silt Loam (NfA), with 0-3 percent slopes. This is indicative of the level to gently sloping land with at least 40 percent of the soil surface covered by asphalt, concrete, buildings, or other impervious structures typical of an urban environment. Former development activities covered the Site in asphalt, concrete and building foundations. **Geography and geology are consistent with a commercial re-use.**

16. *Current institutional controls applicable to the site:* **No institutional controls are currently present that would affect redevelopment options.**

Based on the above analysis, reuse of the Site in a commercial capacity is consistent with past and current development and zoning on and around the Site, and does not pose additional environmental or human health risk.

8.4 Comparison of Remedial Alternatives

In addition to the evaluation of the alternatives to remediate the Site to the likely end use, NYSDEC regulations and policy calls for evaluation of more restrictive end-use scenarios. Although the Site is intended to be used for commercial purposes, evaluating a more restricted-use scenario is a requirement of the BCP. Per NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation, evaluation of a "no further action" alternative is also prepared to provide a baseline for comparison against other alternatives.

Based on the results of the previous investigation, RI, IRM and redevelopment activities, as described above, which included the collection and assessment of 104 subsurface soil samples, including 32 soil/fill samples from the upper 1-4 fbgs interval (beneath previous asphalt), 53 soil samples from the 4-10 fbgs interval, and 19 samples from the 10-15 fbgs interval, of which all remaining on-Site soil analytical sample results are below Residential Use SCOs (see Figures 5 and 6) Since IRMs have already been completed for the Site, the alternatives discussed in greater detail below include:

- No Further Action beyond which was completed as IRMs (Track 2 - Residential Use); and,
- Unrestricted Use Cleanup

8.4.1 IRM/No Further Action (Track 2 Residential Use Cleanup)

Under this alternative, the Site would remain in its current state, with no additional controls in-place.

Overall Protection of Public Health and the Environment – The Site is protective of human health and the environment, based on the achieved level of cleanup (i.e.

Part 375 Residential Use SCOs). Accordingly, the IRM/no further action alternative is protective of public health and does satisfy the RAOs.

Compliance with SCGs – Under the current and reasonably anticipated future use scenario (commercial), the concentrations of constituents detected in the soil/fill and groundwater generally comply with applicable SCOs and GWQS, with certain low-concentration COPCs in soil/fill and groundwater posing minor exceptions.

Long-Term Effectiveness and Permanence **–** The IRM/no further action alternative involves no additional equipment, institutional controls or facilities subject to maintenance. Based on the extent of source area removal completed during the IRMs, this alternative does provide long-term effectiveness, and achieves the RAOs.

Reduction of Toxicity, Mobility, or Volume with Treatment **–** The IRMs completed at the Site have reduced the toxicity, mobility and volume of COPCs. A total of 4,430 tons of petroleum impacted soil/fill was removed from the Site during completion of the IRMs. The IRMs were successful in achieving Part 375 Residential Use SCOs, and therefore this alternative is protective of public health and satisfies the RAOs.

Short-Term Effectiveness **–** There would be no short-term adverse impacts and risks to the community, workers, or the environment attributable to implementation of the no further action alternative.

Implementation **–** No technical or administrative implementation issues are associated with the no further action alternative.

Cost – The capital cost of the IRMs was approximately $800,000. There would be no capital or long-term operation, maintenance, or monitoring costs associated with the IRM/no further action alternative.

Community Acceptance – The RI/IRM Work Plan was made available for comment from October 3, 2011 through November 1, 2011. No public comments opposing the work were received.

8.4.2 Unrestricted Use Alternative

An Unrestricted Use alternative would necessitate remediation of all soil/fill where concentrations exceed the Unrestricted Use SCOs per 6NYCRR Part 375 (see Tables 2, 3, and 7a-7e). For Unrestricted Use scenario, excavation and off-site disposal of impacted soil/fill is generally regarded as the most applicable remedial measure, because institutional controls cannot be used to supplement the remedy. As such, the Unrestricted Use alternative assumes that those areas which exceed the Unrestricted Use SCOs would be excavated and disposed at an off-Site commercial solid waste landfill.

Based on the results of the RI/IRM, which indicate the presence of select VOCs, PAHs, and metals above Unrestricted Use SCOs to an average depth of 5 feet below ground surface (fbgs) for all areas of the Site not previously excavated during the IRM or redevelopment activities would require excavation to achieve a Track 1 cleanup. Approximately 1.75 acres of surface area exist within the BCP site boundary, which was not previously excavated and would need to be excavated to 5 fbgs. The estimated total volume of impacted soil/fill that would be removed from these areas is approximately 14,150 cubic yards.

Based on the minor exceedances of groundwater concentrations, as described above, and the removal of 5-ft of soil/fill across the Site; thereby removing any potential source area, this alternative assumes that no groundwater remediation or long-term monitoring would be required.

Overall Protection of Public Health and the Environment – The Unrestricted Use alternative would achieve the corresponding Part 375 Unrestricted Use SCOs, which are designed to be fully protective of human health under any reuse scenario.

Compliance with SCGs – Similar to the IRM soil/fill removal activities, the Unrestricted Use alternative would need to be performed in accordance with applicable, relevant, and appropriate standards, guidance, and criteria.

Long-Term Effectiveness and Permanence – The Unrestricted Use alternative would achieve removal of all residual impacted soil/fill; therefore, no soil/fill exceeding the Unrestricted Use SCOs would remain on the Site. As such, the Unrestricted Use alternative would provide long-term effectiveness and permanence. Post-remedial monitoring and certifications would not be required.

Reduction of Toxicity, Mobility, or Volume with Treatment – Through removal of all soil/fill above Unrestricted Use SCOs, this alternative would permanently and significantly reduce the toxicity, mobility, and volume of Site contamination.

Short-Term Effectiveness – The short-term adverse impacts and risks to the community, workers, and environment during implementation of the Unrestricted Use alternative are considered controllable. However, this alternative would significantly increase the duration of time community, workers, and the environment is exposed to fugitive dust and potential off-site exposures during remediation.

Implementation – Technical implementation would be a major barrier to construction of the Unrestricted Use alternative. The Site is currently being redeveloped with the construction of a new convenience store, car wash and automobile fueling operation. Excavating the entire Site is not considered a reasonable alternative given the current and reasonably anticipated future use of the Site. Implementation issues related to rezoning of the Site to allow for Unrestricted Uses (e.g., farming, livestock, single-family residential), which are not consistent with current surrounding land-use or the reasonably anticipated future use the Site are likely.

Cost – The capital cost of implementing an Unrestricted Use alternative is estimated at a total of approximately $2.48 MM (see Table 9), which is the cost of the unrestricted use cleanup plus the capital costs of the IRM ($800,000) that has been completed.

Community Acceptance – Community acceptance will be evaluated based on comments to be received from the public in response to Fact Sheets and other planned Citizen Participation activities.

8.5 Recommended Remedial Measure

Based on the Alternatives Analysis evaluation, the completed IRM achieved Residential Use SCOs and fully satisfies the remedial action objectives and is fully protective of human health and the environment. Accordingly, the completed IRM/No Further Action is the recommended final remedial approach for the 348 Langner Road Site.

9.0 RI/IRM/AAR SUMMARY AND CONCLUSIONS

Based on the data and analyses presented in the preceding sections, we offer the following summary and conclusions:

- Based on the remaining subsurface soil data, concentrations of VOCs, SVOCs, metals, pesticides, herbicides, and PCBs were below Part 375 Residential Use SCOs, with the vast majority below Unrestricted Use SCOs.

- Based on the groundwater data, the vast majority of analytes were detected below GWQS, reported as estimated values, or described as potentially laboratory background contamination, and/or naturally occurring minerals. One VOC exceedance of GWQS was noted in an upgradient well, located adjacent to an elevated municipal roadway to the north. This constituent was not detected in adjacent soil samples. Furthermore, municipally supplied potable water is available, and on-Site groundwater is not used for potable or other purposes.

- Based on the nature and extent of the impacts identified during the RI, as well as previously known conditions (e.g., former site use including: gasoline station, Spill file, and petroleum impacted soil/fill), planned IRMs were discussed with and approved by NYSDEC and NYSDOH. The IRMs included: excavation and off-site disposal and/or commercial biotreatment of approximately 4,430 tons of non-hazardous petroleum impacted soil; extraction and pre-treatment of approximately 80,000 gallons of collected excavation water; excavation, removal, cleaning and off-site recycling and disposal of eight USTs; and, placement of approved backfill materials.

- Post-excavation confirmatory soil samples collected from the IRM excavation areas indicate that all post-excavation confirmatory samples are below Part 375 Unrestricted Use SCOs with minor exception, primarily acetone, which is a common laboratory contaminant and was reported at concentrations well below Part 375 Residential Use SCOs. Based on the remedial actions completed, the 348 Langner Road Site achieved a Residential Use (Track 2) cleanup.

- As stated in the approved RI/IRM Work Plan, Delta Sonic's intent was for the IRMs to substantially or completely constitute the final NYSDEC-approved BCP remedy for the Site. The remedial work achieved a residential use cleanup. Based on the Alternatives Analysis evaluation, the completed IRMs fully satisfies the remedial action objectives and is protective of human health and the environment. Accordingly, the completed IRMs are the recommended final remedy for the 348 Langner Road Site.

10.0 REFERENCES

1. Benchmark Environmental Engineering and Science, PLLC. *Phase II Site Investigation Report, 348 Langner Road Site, West Seneca, New York*. January 2010.

2. TurnKey Environmental Restoration, LLC. *Remedial Investigation/Interim Remedial Measures Work Plan, 348 Langner Road Site, West Seneca, New York*. Revised January 2012.

3. New York State Department of Environmental Conservation. *DER-10; Technical Guidance for Site Investigation and Remediation*. May 2010.

4. United States Department of Agriculture (USDA), Soil Conservation Service. *Soil Survey of Erie County, New York*. December 1986.

5. Chow, V., Maidment, D., and Mays, L. 1988. Applied Hydrology. McGraw-Hill.

TABLES

TABLE 1

SUMMARY OF SAMPLING AND ANALYSIS PROGRAM

348 LANGNER ROAD SITE

WEST SENECA, NEW YORK

Sample Identifier	Data Source	Depth Sampled/ Screened (fbgs)	Analysis							Date Sampled	Comments
			TCL VOCs	TCL SVOCs	PCBs	TAL Metals	Cyanide	Pesticides	Herbicides		
Subsurface Soil/Fill											
SB-01	Phase II Investigation (2010)	2-4	X	X						12/09/2009	Previous Investigation
SB-02	Phase II Investigation (2010)	2-4	X	X						12/09/2009	
SB-03	Phase II Investigation (2010)	2-4	X	X						12/09/2009	
SB-04	Phase II Investigation (2010)	2-4	X	X						12/09/2009	
SB-05	Phase II Investigation (2010)	2-4	X	X						12/09/2009	
SB-06	Phase II Investigation (2010)	4-6	X	X						12/09/2009	
SB-07	Phase II Investigation (2010)	2-4	X	X						12/09/2009	
SB-09	Phase II Investigation (2010)	2-4	X	X						12/09/2009	
SB-10	Remedial Investigation	8-10		X						03/19/2012	
SB-11	Remedial Investigation	8-10		X						03/19/2012	
SB-12	Remedial Investigation	8-10	X	X	X	X	X	X	X	03/19/2012	
SB-13	Remedial Investigation	0-3	X	X	X	X	X	X	X	03/19/2012	MS/MSD
SB-14	Remedial Investigation	10-12		X						03/19/2012	
SB-15	Remedial Investigation	2-4	X	X						03/19/2012	
SB-16	Remedial Investigation	0-2		X						03/19/2012	
SB-17	Remedial Investigation	8-10		X						03/19/2012	
SB-18	Remedial Investigation	5-7		X						03/19/2012	
SB-19	Remedial Investigation	1-3	X	X						03/19/2012	
SB-20	Remedial Investigation	5-7		X						03/19/2012	
SB-21	Remedial Investigation	5-7		X						03/20/2012	
SB-22	Remedial Investigation	5-7		X						03/20/2012	
SB-23	Remedial Investigation	1-3	X	X	X	X	X	X	X	03/20/2012	
SB-24	Remedial Investigation	4-6	X	X	X	X	X	X	X	03/20/2012	
SB-25	Remedial Investigation	5-7		X						03/20/2012	
SB-26	Remedial Investigation	5-7		X						03/20/2012	
SB-27	Remedial Investigation	1-3	X	X						03/20/2012	
SB-28	Remedial Investigation	5-7		X						03/20/2012	
SB-29	Remedial Investigation	5-7		X						03/20/2012	
SB-30	Remedial Investigation	5-7		X						03/20/2012	
Canopy Northwall 1	Interim Remedial Measures	--	X	X						08/16/2012	
Canopy Northwall 2	Interim Remedial Measures	--	X	X						08/16/2012	
Canopy Northwall 3	Interim Remedial Measures	--	X	X						08/16/2012	
Canopy Southwall 1	Interim Remedial Measures	--	X	X						08/16/2012	
Canopy Southwall 2	Interim Remedial Measures	--	X	X						08/16/2012	
Canopy Southwall 3	Interim Remedial Measures	--	X	X						08/16/2012	
Canopy Bottom 1	Interim Remedial Measures	--	X	X						08/16/2012	
Canopy Bottom 2	Interim Remedial Measures	--	X	X						08/16/2012	
Product Lines Bottom 1	Interim Remedial Measures	--	X							09/11/2012	
Product Lines Bottom 2	Interim Remedial Measures	--	X							09/11/2012	
Product Lines Bottom 3	Interim Remedial Measures	--	X							09/11/2012	
West Excavation Bottom 1	Interim Remedial Measures	--	X							08/21/2012	
West Excavation Northwall 1	Interim Remedial Measures	--	X							08/21/2012	
West Excavation Southwall 1	Interim Remedial Measures	--	X							08/21/2012	
West Excavation Eastwall 1	Interim Remedial Measures	--	X							08/21/2012	
West Excavation Westwall 1	Interim Remedial Measures	--	X							08/21/2012	
UST Area#1 Bottom 1	Interim Remedial Measures	--	X	X						08/20/2012	
UST Area#1 Bottom 2	Interim Remedial Measures	--	X	X						08/20/2012	MS/MSD
UST Area#1 Northwall 1	Interim Remedial Measures	--	X	X						08/20/2012	
UST Area#1 Southwall 1	Interim Remedial Measures	--	X	X						08/21/2012	
UST Area#1 Southwall 2	Interim Remedial Measures	--	X	X						08/21/2012	
UST Area#1 Eastwall 1	Interim Remedial Measures	--	X	X						08/21/2012	
UST Area#1 Eastwall 2	Interim Remedial Measures	--	X	X						08/21/2012	
UST Area#1 Westwall 1	Interim Remedial Measures	--	X	X						08/21/2012	
UST Area#1 Westwall 2	Interim Remedial Measures	--	X	X						08/21/2012	

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WEST SENECA, NEW YORK

Sample Identifier	Data Source	Depth Sampled/ Screened (fbgs)	Analysis							Date Sampled	Comments
			TCL VOCs	TCL SVOCs	PCBs	TAL Metals	Cyanide	Pesticides	Herbicides		
Subsurface Soil/Fill											
UST Area#1 Vent Stock Bottom 1	Interim Remedial Measures	--	X	X						08/21/2012	
UST Area#1 Vent Stock Bottom 2	Interim Remedial Measures	--	X	X						08/21/2012	
UST Area#2 Bottom 1	Interim Remedial Measures	--	X							09/05/2012	MS/MSD
UST Area#2 Bottom 2	Interim Remedial Measures	--	X							09/05/2012	
UST Area#2 Bottom 3	Interim Remedial Measures	--	X							09/06/2012	
UST Area#2 Bottom 4	Interim Remedial Measures	--	X							09/06/2012	
UST Area#2 Bottom 5	Interim Remedial Measures	--	X							09/06/2012	
UST Area#2 Bottom 6	Interim Remedial Measures	--	X							09/06/2012	
UST Area#2 Bottom 7	Interim Remedial Measures	--	X							09/07/2012	
UST Area#2 Bottom 8	Interim Remedial Measures	--	X							09/07/2012	
UST Area#2 Northwall 1	Interim Remedial Measures	--	X							09/05/2012	
UST Area#2 Northwall 2	Interim Remedial Measures	--	X							09/05/2012	
UST Area#2 Southwall 1	Interim Remedial Measures	--	X							09/07/2012	
UST Area#2 Eastwall 1	Interim Remedial Measures	--	X							09/05/2012	
UST Area#2 Eastwall 2	Interim Remedial Measures	--	X							09/05/2012	
UST Area#2 Eastwall 3	Interim Remedial Measures	--	X							09/06/2012	
UST Area#2 Eastwall 4	Interim Remedial Measures	--	X							09/07/2012	
UST Area#2 Westwall 1	Interim Remedial Measures	--	X							09/05/2012	
UST Area#2 Westwall 2	Interim Remedial Measures	--	X							09/06/2012	
UST Area#2 Westwall 3	Interim Remedial Measures	--	X							09/06/2012	
UST Area#2 Westwall 4	Interim Remedial Measures	--	X							09/07/2012	
UST Area#2 Westwall 5	Interim Remedial Measures	--	X							09/07/2012	
SB-16 Bottom	Interim Remedial Measures	2-3	X							11/19/2012	
Prewash Pad Bottom 1	Interim Remedial Measures	--	X							06/12/2013	
Prewash Pad Bottom 2	Interim Remedial Measures	--	X							06/12/2013	
Prewash Pad Bottom 3	Interim Remedial Measures	--	X							06/12/2013	
Prewash Pad Northwall 1	Interim Remedial Measures	--	X							06/12/2013	
Prewash Pad Northwall 2	Interim Remedial Measures	--	X							06/12/2013	
Prewash Pad Eastwall 1	Interim Remedial Measures	--	X							06/12/2013	
Prewash Pad Southwall 1	Interim Remedial Measures	--	X							06/12/2013	
Prewash Pad Southwall 2	Interim Remedial Measures	--	X							06/12/2013	
Prewash Pad Westwall 1	Interim Remedial Measures	--	X							06/14/2013	
Groundwater											
MW-1	Remedial Investigation	--	X	X	X	X	X	X	X	03/27/2012	
MW-2	Remedial Investigation	--	X	X	X	X	X	X	X	03/27/2012	
MW-3	Remedial Investigation	--	X	X	X	X	X	X	X	03/27/2012	
MW-4	Remedial Investigation	--	X	X	X	X	X	X	X	03/27/2012	
MW-5	Remedial Investigation	--	X	X	X	X	X	X	X	03/27/2012	
MW-6	Remedial Investigation	--	X	X	X	X	X	X	X	03/27/2012	
MW-7	Remedial Investigation	--	X	X	X	X	X	X	X	03/27/2012	
MW-8	Remedial Investigation	--	X	X	X	X	X	X	X	03/27/2012	MS/MSD
MW-9	Remedial Investigation	--	X	X	X	X	X	X	X	03/27/2012	
MW-9	Interim Remedial Measures	--	X					X	X	09/13/2013	
MW-1R	Interim Remedial Measures	--	X					X	X	09/13/2013	
MW-3R	Interim Remedial Measures	--	X					X	X	09/13/2013	
MW-5R	Interim Remedial Measures	--	X					X	X	09/13/2013	
		Totals:	**109**	**59**	**14**	**14**	**14**	**18**	**18**		

TABLE 2

SUMMARY OF HISTORIC SOIL ANALYTICAL RESULTS

348 LANGNER ROAD SITE

WEST SENECA, NEW YORK

PARAMETER [1]	Unrestricted Use SCOs [2]	Residential Use SCOs [2]	Commercial Use SCOs [2]	Sample Location (Depth)							
				SB-01 (2-4)	SB-02 (2-4)	SB-03 (2-4)	SB-04 (2-4)	SB-05 (2-4)	SB-06 (4-6)	SB-07 (2-4)	SB-09 (2-4)
				December 2009							
Volatile Organic Compounds (VOCs) - mg/Kg [3]											
Benzene	**0.06**	**2.9**	**44**	ND	ND	ND	**0.11**	0.078 W1,J	ND	ND	ND
n-Butylbenzene	**12**	**100**	**500**	ND	ND	ND	ND	ND	ND	ND	0.0027 J
sec-Butylbenzene	**11**	**100**	**500**	ND	ND	ND	0.034	0.65 W1	ND	ND	ND
Ethylbenzene	**1**	**30**	**390**	ND	ND	ND	**21 D08, W1**	**25 W1,D08**	ND	ND	ND
Isopropylbenzene	**--**	**--**	**--**	ND	ND	ND	0.19	1.6 W1	ND	ND	0.0014 J
p-Cymene	**--**	**--**	**--**	ND	ND	ND	0.016	0.45 W1	ND	ND	0.0021 J
n-Propylbenzene	**3.9**	**100**	**500**	ND	ND	ND	**12 D08, W1**	**7.8 W1**	ND	ND	0.0024 J
Toluene	**0.7**	**100**	**500**	0.0023 J	0.0033 J	ND	0.24	**21 W1,D08**	0.0014 J	ND	0.0012 J
Total Xylene	**0.26**	**100**	**500**	0.0044 J,B	0.0036 J,B	ND	**163 D08, W1**	**152 W1,D08**	0.0019 J,B	0.0017 J,B	0.002 J,B
Methyl tert butyl ether (MTBE)	**0.93**	**62**	**500**	ND	0.0038 J	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	**3.6**	**47**	**190**	0.0014 J	ND	ND	**35 D08, W1**	**92 W1,D08**	ND	0.0019 J	0.016
1,3,5-Trimethylbenzene	**8.4**	**47**	**190**	ND	ND	ND	**120 D08, W1**	**31 W1,D08**	ND	ND	ND
Semivolatile Organic Compounds (SVOCs) - mg/Kg [3]											
Acenaphthene	**20**	**100**	**500**	ND	ND	ND	ND	ND	ND	0.49 D12,J	ND
Benzo(a)anthracene	**1**	**1**	**5.6**	ND	ND	ND	ND	ND	ND	0.25 D12,J	ND
Benzo(b)fluoranthene	**1**	**1**	**5.6**	ND	ND	ND	ND	ND	ND	0.34 D12,J	ND
Chrysene	**1**	**1**	**56**	ND	ND	ND	ND	ND	ND	0.45 D12,J	ND
Fluoranthene	**100**	**100**	**500**	ND	ND	ND	ND	0.031 J	ND	ND	ND
Fluorene	**30**	**100**	**500**	ND	ND	ND	0.25 D10,J	ND	ND	0.98 D12,J	ND
Naphthalene	**12**	**100**	**500**	ND	ND	ND	11 D10	0.33	ND	ND	ND
Phenanthrene	**100**	**100**	**500**	ND	ND	ND	0.63 D10,J	0.039 J	ND	2.9 D12,J	0.58 D12,J
Pyrene	**100**	**100**	**500**	ND	ND	ND	0.35 D10,J	0.029 J	ND	ND	ND

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Part 375 Soil Cleanup Objectives (December 2006)
3. Sample results were reported by the laboratory in ug/kg and converted to mg/kg for comparison to SCOs.

Definitions:

ND = Parameter not detected above laboratory detection limit.
"--" = No SCO available.
J = Estimated value; result is less than the sample quantization limit but greater than zero.
B = Analyte was detected in the associated method blank.
D08 = Dillution required due to high concentration of target analyte(s).
D10 = Dilution Due to sample color.
D12 = Dilution required due to sample viscosity.
W1 = Sample was prepared and analyzed utilizing the medium level extraction.

BOLD	= Result exceeds Part 375 Unrestricted Use SCOs.
BOLD	= Result exceeds Part 375 Residential Use SCOs.
BOLD	= Result exceeds Part 375 Commercial Use SCOs.

TABLE 3

SUMMARY OF SUBSURFACE SOIL ANALYTICAL RESULTS

348 LANGNER ROAD SITE

WEST SENECA, NEW YORK

Parameter[1]	Unrestricted Use SCOs[2]	Residential Use SCOs[2]	Commercial Use SCOs[2]	Sample Locations (Depth)																			
				SB-10 (8-10)	SB-11 (8-10)	SB-12 (8-10)	SB-13 (0-3)	SB-14 (10-12)	SB-15 (2-4)	SB-16 (0-2)	SB-17 (8-10)	SB-18 (5-7)	SB-19 (1-3)	SB-20 (5-7)	SB-21 (5-7)	SB-22 (5-7)	SB-23 (1-3)	SB-24 (4-6)	SB-25 (5-7)	SB-26 (5-7)	SB-27 (1-3)	SB-28 (5-7)	SB-29 (5-7)	SB-30 (5-7)
				03/19/12	03/19/12	03/19/12	03/19/12	03/19/12	03/19/12	03/19/12	03/19/12	03/19/12	03/19/12	03/19/12	03/20/12	03/20/12	03/20/12	03/20/12	03/20/12	03/20/12	03/20/12	03/20/12	03/20/12	03/20/12
Volatile Organic Compounds (VOCs) - mg/Kg [3]																							
1,2,4-Trimethylbenzene	**3.6**	**47**	**190**	--	--	ND	ND	--	ND	--	--	--	ND	--	--	--	2.25	**4.44 J**	--	--	0.0023 J	--	--	--
1,3,5-Trimethylbenzene	**8.4**	**47**	**190**	--	--	ND	ND	--	ND	--	--	--	ND	--	--	--	1.3	2.62 J	--	--	0.0032 J	--	--	--
2-Butanone (MEK)	**0.12**	**100**	**500**	--	--	ND	ND	--	0.0135 J	--	--	--	ND	--	--	--	ND	ND	--	--	ND	--	--	--
p-Cymene (p-isopropyltoluene)	**--**	**--**	**--**	--	--	ND	ND	--	0.0043 J	--	--	--	ND	--	--	--	0.035 J	ND	--	--	ND	--	--	--
Carbon disulfide	**--**	**--**	**--**	--	--	ND	ND	--	0.0142	--	--	--	ND	--	--	--	ND	ND	--	--	ND	--	--	--
Chloroform	**0.37**	**10**	**350**	--	--	ND	ND	--	ND	--	--	--	0.03	--	--	--	ND	ND	--	--	ND	--	--	--
Ethylbenzene	**1**	**30**	**390**	--	--	ND	0.00525	--	ND	--	--	--	ND	--	--	--	**1.63 J**	**4.71 J**	--	--	ND	--	--	--
Isopropylbenzene (Cumene)	**--**	**--**	**--**	--	--	ND	ND	--	0.00678	--	--	--	ND	--	--	--	0.141 J	0.477 J	--	--	ND	--	--	--
Methylcyclohexane	**--**	**--**	**--**	--	--	ND	0.0056	--	0.0291	--	--	--	ND	--	--	--	0.599 NJ	0.788 NJ	--	--	ND	--	--	--
n-Propylbenzene	**3.9**	**100**	**500**	--	--	ND	ND	--	0.0126	--	--	--	ND	--	--	--	0.684 J	2.42 J	--	--	ND	--	--	--
Toluene	**0.7**	**100**	**500**	--	--	ND	ND	--	ND	--	--	--	ND	--	--	--	0.138 J	ND	--	--	ND	--	--	--
Total Xylene	**0.26**	**100**	**500**	--	--	ND	0.0128	--	0.0021 NJ	--	--	--	ND	--	--	--	**2.019 J**	**3.08 J**	--	--	ND	--	--	--
Semi-Volatile Organic Compounds (SVOCs) - mg/Kg [3]																							
2-Methylnaphthalene	--	**--**	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.26 J	1.45	ND	ND	ND	ND	ND	ND
Acenaphthene	**20**	**100**	**500**	ND	ND	ND	ND	ND	0.184 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	**100**	**100**	**500**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	**100**	**100**	**500**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	**1**	**1**	**5.6**	ND	ND	ND	ND	ND	ND	**3.51**	ND	ND	ND	0.25 J	ND	ND	0.2 J	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	**1**	**1**	**1**	ND	ND	ND	ND	ND	ND	**3.33**	ND	ND	ND	0.255 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	**1**	**1**	**5.6**	ND	ND	ND	**1.87 J**	ND	ND	**3.19 J**	ND	ND	ND	0.312 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	**100**	**100**	**500**	ND	ND	ND	ND	ND	ND	1.96 J	ND	ND	ND	0.174 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	**0.8**	**1**	**56**	ND	ND	ND	ND	ND	ND	**2.75 J**	ND	ND	ND	0.245 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	**--**	**--**	**--**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	**1**	**1**	**56**	ND	ND	ND	ND	ND	ND	**3.56**	ND	ND	ND	0.316 J	ND	ND	0.168 J	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	**100**	**100**	**500**	ND	ND	ND	2.96 J	ND	0.229 J	7.05	ND	ND	ND	0.682	ND	ND	0.284 J	0.442	ND	ND	ND	ND	ND	ND
Fluorene	**30**	**100**	**500**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	**0.5**	**0.5**	**5.6**	ND	ND	ND	ND	ND	ND	**1.7 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	**12**	**100**	**500**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.336	1.32	ND	ND	ND	ND	ND	ND
Phenanthrene	**100**	**100**	**500**	ND	ND	ND	ND	ND	ND	3.71	ND	ND	ND	0.34 J	ND	ND	0.192 J	0.231 J	ND	ND	ND	ND	ND	ND
Pyrene	**100**	**100**	**500**	ND	ND	ND	2.53 J	ND	0.191 J	6.92	ND	ND	ND	0.596	ND	ND	0.246 J	0.356 J	ND	ND	ND	ND	ND	ND
Total Metals - mg/Kg																								
Aluminum	**--**	**--**	**--**	--	--	15300	11700	--	--	--	--	--	--	--	--	--	17000	16700	--	--	--	--	--	--
Arsenic	**13**	**16**	**16**	--	--	12.3 J	4.09 D M	--	--	--	--	--	--	--	--	--	9.81	11.4	--	--	--	--	--	--
Barium	**350**	**350**	**400**	--	--	90.9	91 D M	--	--	--	--	--	--	--	--	--	9.8	99.3	--	--	--	--	--	--
Beryllium	**7.2**	**14**	**590**	--	--	0.807	1.69 D M	--	--	--	--	--	--	--	--	--	0.902	0.804	--	--	--	--	--	--
Cadmium	**2.5**	**2.5**	**9.3**	--	--	0.879 J	0.438 J M	--	--	--	--	--	--	--	--	--	1.18	0.936	--	--	--	--	--	--
Calcium	**--**	**--**	**--**	--	--	33100 J	161000 DJ	--	--	--	--	--	--	--	--	--	2610 J	37700 J	--	--	--	--	--	--
Chromium	**30**	**36**	**1500**	--	--	21.9	14.3 D M	--	--	--	--	--	--	--	--	--	25.2	22.2	--	--	--	--	--	--
Cobalt	**--**	**--**	**--**	--	--	11.6 J	ND	--	--	--	--	--	--	--	--	--	10.5	12.1	--	--	--	--	--	--
Copper	**50**	**270**	**270**	--	--	30.9 J	14.9 M	--	--	--	--	--	--	--	--	--	34.7	27.2	--	--	--	--	--	--
Iron	**--**	**--**	**--**	--	--	30100 J	10500	--	--	--	--	--	--	--	--	--	34000	30500	--	--	--	--	--	--
Lead	**63**	**400**	**1000**	--	--	14 J	36.5 D M	--	--	--	--	--	--	--	--	--	16	14.5	--	--	--	--	--	--
Magnesium	**--**	**--**	**--**	--	--	14900 J	22300 DJ	--	--	--	--	--	--	--	--	--	4500 J	12500 J	--	--	--	--	--	--
Manganese	**1600**	**2000**	**10000**	--	--	480	823 D M	--	--	--	--	--	--	--	--	--	517	510	--	--	--	--	--	--
Nickel	**30**	**140**	**310**	--	--	**32.9 J**	8.73 D M	--	--	--	--	--	--	--	--	--	**34.2**	**33.3**	--	--	--	--	--	--
Potassium	**--**	**--**	**--**	--	--	2180	1190	--	--	--	--	--	--	--	--	--	2000	2760	--	--	--	--	--	--
Selenium	**3.9**	**36**	**1500**	--	--	ND	ND	--	--	--	--	--	--	--	--	--	0.824 J	ND	--	--	--	--	--	--
Sodium	**--**	**--**	**--**	--	--	739 J	488	--	--	--	--	--	--	--	--	--	909	1030	--	--	--	--	--	--
Vanadium	**--**	**--**	**--**	--	--	31.9	12.7 D M	--	--	--	--	--	--	--	--	--	32.4	31.7	--	--	--	--	--	--
Zinc	**109**	**2200**	**10000**	--	--	68.9	63.4 D M	--	--	--	--	--	--	--	--	--	84.6	70.8	--	--	--	--	--	--
Mercury	**0.18**	**0.81**	**2.8**	--	--	0.0134 J	ND	--	--	--	--	--	--	--	--	--	0.0405 J	0.0218 J	--	--	--	--	--	--
Pesticides and Herbicides - mg/Kg [3]																								
4,4'-DDT	**0.0033**	**1.7**	**47**	--	--	ND	0.0026 J	--	--	--	--	--	--	--	--	--	ND	ND	--	--	--	--	--	--
alpha-BHC	**0.02**	**0.097**	**3.4**	--	--	ND	0.0021 J	--	--	--	--	--	--	--	--	--	ND	ND	--	--	--	--	--	--
alpha-Chlordane	**0.094**	**0.91**	**24**	--	--	ND	ND	--	--	--	--	--	--	--	--	--	0.00225 J	0.00394	--	--	--	--	--	--
Dieldrin	**0.005**	**0.039**	**1.4**	--	--	ND	ND	--	--	--	--	--	--	--	--	--	0.00187 J	ND	--	--	--	--	--	--
Endrine ketone	**--**	**--**	**--**	--	--	ND	0.00245 J	--	--	--	--	--	--	--	--	--	ND	ND	--	--	--	--	--	--

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Part 375 Soil Cleanup Objectives (December 2006)
3. Sample results were reported by the laboratory in ug/kg and converted to mg/kg for comparison to SCOs.

Definitions:

ND = Parameter not detected above laboratory detection limit.
"--" = Sample not analyzed for parameter or no SCO available for the parameter.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
D = Compounds were identified in an analyisis at the secondary dilution factor.
M = Matrix spike outside QC Limit, Matrix bias indicated.
T = Sample had an adjusted final volume during extraction due to extract matrix and/or viscosity.

BOLD	= Result exceeds Part 375 Unrestricted Use SCOs.
BOLD	= Result exceeds Part 375 Residential Use SCOs.
BOLD	= Result exceeds Part 375 Commercial Use SCOs.

TABLE 4

SUMMARY OF HISTORIC GROUNDWATER ANALYTICAL RESULTS

348 LANGNER ROAD SITE

WEST SENECA, NEW YORK

PARAMETER [1]	Class GA Groundwater Quality Standards (GWQS) [2]	Sample Location			
		TMW-1	TMW-2	TMW-3	TMW-4
		December 2009			
Volatile Organic Compounds (VOCs) - ug/L					
1,2,4-Trimethylbenzene	5	ND	**2200 D08**	**3600 D08,P11**	**8.3**
1,3,5-Trimethylbenzene	5	ND	**690 D08**	**1100 D08,P11**	2.8
1,2-Dichloroethane	5	ND	1.8 P11	ND	ND
2-Butanone (MEK)	50	ND	12 P11	**100**	ND
Acetone	50	4.9 J	43 P11	**200**	6.7
Benzene	1	ND	**150 D08**	**1000 D08,P11**	0.52 J
Cyclohexane	--	ND	ND	1500 D08,P11	6.2
Ethylbenzene	5	ND	**1300 D08**	**3200 D08,P11**	3
Isopropylbenzene	5	ND	**56 P11**	**76**	ND
Methylcyclohexane	--	ND	33 P11	470 D08,P11	2.7
n-Propylbenzene	5	ND	**210 D08**	**420 D08,P11**	1.2
p-Cymene	5	ND	3.3 P11	**5.4**	ND
sec-Butylbenzene	5	ND	**6.3 P11**	**8**	ND
Toluene	5	ND	**220 D08**	**13000 D08,P11**	3.5
Total Xylenes	5	ND	**8900 D08**	**18200 D08,P11**	**15**

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Division of Water Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations - Class GA (TOGS 1.1.1)

Definitions:

ND = Parameter not detected above laboratory detection limit.
"--" = No GWQS available.
J = Estimated value; result is less than the sample quantization limit but greater than zero.
P11= Sample was not sufficiently preserved at time of collection.
D08 = Dillution required due to high concentration of target analyte(s).

BOLD = Result exceeds GWQS.

TABLE 5

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

348 LANGNER ROAD SITE

WEST SENECA, NEW YORK

PARAMETER[1]	GWQS[2]	Sample Location												
		MW-1	MW-2	MW-3	MW-4	MW-5	MW-6 [3]	MW-7	MW-8	MW-9	MW-9	MW-1R	MW-3R	MW-5R
		03/27/12					11/19/12	03/27/12			09/13/13	09/13/13	09/13/13	09/13/13
Volatile Organic Compounds (VOCs) - ug/L														
2-Butanone (MEK)	**50**	ND	ND	ND	ND	ND	ND	ND	ND	8.59 J	ND	4.1 J	5.6	2.2 J
Acetone	**50**	ND	ND	6.57 J	ND	12.9	0.002	ND	ND	19.1	4.3 J	27	45	22
Benzene	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.19 J	ND
2-Hexanone	**--**	ND	ND	ND	ND	ND	ND	ND	ND	3.74 J	ND	ND	ND	ND
Methyl tert butyl ether (MTBE)	**10**	ND	ND	1.24 J	ND	4.63	ND	ND	ND	ND	ND	ND	9	**72**
Methylene chloride	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	**10**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3	ND
Semi-Volatile Organic Compounds (SVOCs) (ug/L)														
3-Methylphenol/4-Methylphenol	**5**	ND	ND	ND	ND	ND	0.0032 J	ND	ND	ND	--	--	--	--
Fluoranthene	**50**	ND	ND	ND	ND	ND	0.00005 J	ND	ND	ND	--	--	--	--
Fluorene	**50**	ND	ND	ND	ND	ND	0.0001 J	ND	ND	ND	--	--	--	--
Hexachloroethane	**5**	ND	ND	ND	ND	ND	0.00007 J	ND	ND	ND	--	--	--	--
Phenanthrene	**50**	ND	ND	ND	ND	ND	0.00018 J	ND	ND	ND	--	--	--	--
Dissolved Metals - ug/L														
Aluminum	**--**	ND	ND	ND	ND	ND	0.045 J	103 J	ND	ND	--	--	--	--
Arsenic	**25**	11 J	8 J	ND	ND	ND	0.0037	11 J	ND	8 J	--	--	--	--
Barium	**1000**	754 J	200 J	83 J	158 J	ND	0.2843	183 J	92 J M	339 J	--	--	--	--
Calcium	**--**	748000 J	333000 J	236000 J	250000 J	119000 J	146	74700 J	170000 J	449000 J	--	--	--	--
Chromium	**50**	ND	ND	ND	ND	ND	0.0005 J	ND	ND	ND	--	--	--	--
Copper	**200**	ND	ND	ND	ND	ND	0.0055	ND	ND	ND	--	--	--	--
Cyanide	**200**	ND	ND	ND	34 J	ND	ND	12 J	ND	14 J	--	--	--	--
Iron	**300**	ND	ND	ND	ND	ND	0.884	183 J	ND	**574 J**	--	--	--	--
Lead	**25**	ND	ND	ND	ND	ND	0.0021	22 J	ND	ND	--	--	--	--
Magnesium	**35000**	**252000 J**	**112000 J**	**84000 J**	**91700 J**	33400 J	56.6	9850 J	**80300 J**	**57800 J**	--	--	--	--
Manganese	**300**	**458 J**	**459 J**	**376 J**	**406 J**	**1120 J**	0.3094	200 J	**768 J**	**1610 J**	--	--	--	--
Nickel	**100**	ND	ND	ND	23 J	31 J	0.2471	86 J	ND	22 J	--	--	--	--
Potassium	**--**	11000 J	5050 J	4400 J	3780	1680 J	3.93	83400 J	5170 DJ	22100 J	--	--	--	--
Sodium	**20000**	**2000000 J**	**485000 J**	**79000 J**	**505000 J**	**70800 J**	329	**7160000 J**	**491000 J**	**3150000 J**	--	--	--	--
Vanadium	**14**	ND	ND	ND	ND	ND	0.002 J	ND	ND	ND	--	--	--	--
Zinc	**2000**	ND	ND	ND	ND	ND	0.0265	ND	ND	ND	--	--	--	--
Pesticides and Herbicides - ug/L														
4,4'-DDD	**0.3**	ND	0.22 JN	ND	0.177 JN	0.243 JN	ND	0.16 JN	ND	ND	ND	ND	ND	ND
4,4'-DDE	**0.2**	0.0708 J	0.158 J	ND	ND	ND	ND	ND	ND	0.0651 JN	ND	ND	ND	ND
4,4'-DDT	**0.2**	0.14 J	0.145 J	0.122 J	0.123 JN	0.109 JN	ND	0.121	0.136 J	0.113 J	ND	ND	ND	ND
Aldrin	**ND**	ND	**0.286 J**	**0.215 JN**	ND	ND	ND	ND	**0.245 JN**	**0.19 JN**	ND	ND	ND	ND
delta-BHC	**0.01**	ND	ND	ND	ND	ND	ND	ND	**0.0513 C J**	ND	ND	ND	ND	ND
gamma-Chlordane	**0.05**	ND	ND	ND	ND	ND	ND	**0.0503 JN**	**0.0967 JN**	ND	ND	ND	ND	ND
alpha-Chlordane	**0.05**	**0.0606 JN**	**0.12 JN**	ND	ND	ND	ND	**0.0832 JN**	**0.115 J**	ND	ND	ND	ND	ND
Dieldrin	**0.004**	ND	**0.204 J**	ND	ND	ND	ND	**0.157 J**	ND	**0.136 JN**	ND	ND	ND	ND
Endosulfan I	**--**	0.132 J	0.201 J	ND	0.0946 J	ND	ND	ND	0.0995 J	0.206 JN	ND	ND	ND	ND
Endosulfan Sulfate	**--**	ND	ND	ND	0.0569 JN	0.0773 C J	ND	0.0608 JN	0.081 J	ND	ND	ND	ND	ND
Endrin	**ND**	**0.144 J**	**0.283 J**	**0.0535 J**	**0.122 J**	**0.132 J**	ND	ND	**0.143 J**	**0.194 J**	ND	ND	ND	ND
Endrin Aldehyde	**5**	0.0973 C J	0.121 J	0.117 J	0.199 JN	0.0733 J	ND	ND	0.0789 J	ND	ND	ND	ND	ND
Endrin Ketone	**5**	ND	ND	ND	ND	0.0912 J	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	**0.03**	**0.13 JN**	**0.248 JN**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Division of Water Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations - Class GA (TOGS 1.1.1)
3. MW-6 was resampled after the initial analysis was determined to be influenced by lab contamination.

Definitions:

ND = Parameter not detected above laboratory detection limit.
"--" = Sample not analyzed for parameter or no SCO available for the parameter.
J = Estimted Value - Below calibration range
M = Matrix spike outside QC Limit, Matrix bias indicated.
N = Indicates presumptive evidence of compound.
C = concentration differs by more than 40% between the primary and secondary columns.
BOLD = Result exceeds GWQS.

TABLE 6

SUMMARY OF GROUNDWATER ELEVATIONS

348 LANGNER ROAD SITE

WEST SENECA, NEW YORK

Location	TOR Elevation (fmsl)	DTGW (fbTOR)	Groundwater Elevation[5] (fmsl)
MW-1	495.94	3.95	491.99
MW-2	497.25	5.57	491.68
MW-3	496.07	--	--
MW-4	495.33	2.11	493.22
MW-5	495.61	--	--
MW-6	496.79	3.85	492.94
MW-7	496.36	2.10	494.26
MW-8	495.79	6.43	489.36
MW-9	496.00	1.09	494.91

Notes:

1. Fmsl = feet above mean sea level.
2. DTGW = field measured Depth To Ground Water
3. fbTOR = feet below Top of Riser
4. TOR = top of riser
5. Groundwater elevation per September 27th, 2012 monitoring event.
6. Monitoring wells MW-03 and MW-05 were removed during IRM excavation activities.

TURNKEY ENVIRONMENTAL RESTORATION, LLC

TABLE 7A

SUMMARY OF POST EXCAVATION SOIL ANALYTICAL RESULTS - UST AREA #1

348 LANGNER ROAD SITE

WEST SENECA, NEW YORK

Parameter[1]	Unrestricted Use SCOs[2]	Residential Use SCOs[2]	Sample Locations										
			UST Area #1									Vent Stack	
			Bottom 1	Bottom 2	Northwall 1	Southwall 1	Southwall 2	Eastwall 1	Eastwall 2	Westwall 1	Westwall 2	Bottom 1	Bottom 2
			08/20/12	08/20/12	08/20/12	08/21/12	08/21/12	08/21/12	08/21/12	08/21/12	08/21/12	08/21/12	08/21/12
Volatile Organic Compounds (VOCs) - mg/Kg [3]													
1,2,4,5-Tetramethylbenzene	--	--	ND	ND	ND	0.031	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	**3.6**	**47**	ND	ND	ND	0.08	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	**8.4**	**47**	ND	ND	ND	0.0057 J	ND	ND	ND	ND	ND	ND	ND
1,4-Diethylbenzene	--	--	ND	ND	ND	0.0017	ND	ND	ND	ND	ND	ND	ND
4-Ethyltoluene	--	--	ND	ND	ND	0.037	ND	ND	ND	ND	ND	ND	ND
Acetone	**0.05**	**100**	ND	0.028 J	0.012 J	**0.052 J**	**0.066**	ND	0.014 J	0.024 J	0.018 J	**0.1**	0.014 J
Ethylbenzene	**1**	**30**	ND	ND	ND	0.033	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumene)	--	--	ND	ND	ND	0.029	ND	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether (MTBE)	**0.93**	**62**	0.0036 J	0.1 J	0.006 J	0.0028 J	0.024	0.011	0.037	ND	ND	ND	0.008
Methylene chloride	**0.05**	**51**	ND	0.016 J	0.011 J	0.012 J	0.0097 J	0.0092 J	0.027 J	ND	0.021 J	0.017 J	0.0095 J
n-Butylbenzene	**12**	**100**	ND	ND	ND	0.0033	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	**3.9**	**100**	ND	ND	ND	0.08	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	**11**	**100**	ND	ND	ND	0.0048 NJ	ND	ND	ND	ND	ND	ND	ND
Toluene	**0.7**	**100**	ND	ND	ND	0.0099	ND	ND	ND	ND	ND	ND	ND
Total Xylene	**0.26**	**100**	ND	ND	ND	0.036	ND	ND	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds (SVOCs) - mg/Kg [3]													
2-Methylnaphthalene	--	--	ND	ND	ND	ND	ND	ND	0.21 J	ND	ND	ND	ND
Anthracene	**100**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.029 J	ND
Benzo(a)anthracene	**1**	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.089	ND
Benzo(a)pyrene	**1**	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.082 J	ND
Benzo(b)fluoranthene	**1**	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12	ND
Benzo(g,h,i)perylene	**100**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.058 J	ND
Benzo(k)fluoranthene	**0.8**	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.052 J	ND
Carbazole	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.045 J	ND
Chrysene	**1**	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12	ND
Fluoranthene	**100**	**100**	ND	ND	ND	0.041 J	ND	ND	ND	ND	ND	0.31	ND
Indeno(1,2,3-cd)pyrene	**0.5**	**0.5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.063 J	ND
Naphthalene	**12**	**100**	ND	ND	ND	0.25	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	**100**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.22	ND
Pyrene	**100**	**100**	ND	ND	ND	0.033 J	ND	ND	ND	ND	ND	0.23	ND

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Part 375 Soil Cleanup Objectives (December 2006)
3. Sample results were reported by the laboratory in ug/kg and converted to mg/kg for comparison to SCOs.

Definitions:

ND = Parameter not detected above laboratory detection limit.
"--" = Sample not analyzed for parameter or no SCO available for the parameter.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
NJ = The detection is tentative in identification and estimated in value.

BOLD	= Result exceeds Part 375 Unrestricted Use SCOs.
BOLD	= Result exceeds Part 375 Residential Use SCOs.

TABLE 7B

SUMMARY OF POST EXCAVATION SOIL ANALYTICAL RESULTS - UST AREA #2

348 LANGNER ROAD SITE

WEST SENECA, NEW YORK

Parameter[1]	Unrestricted Use SCOs[2]	Residential Use SCOs[2]	Sample Locations – UST Area #2																		
			Bottom 1	Bottom 2	Bottom 3	Bottom 4	Bottom 5	Bottom 6	Bottom 7	Bottom 8	Northwall 1	Northwall 2	Southwall 1	Eastwall 1	Eastwall 2	Eastwall 3	Eastwall 4	Westwall 1	Westwall 2	Westwall 3	Westwall 4	Westwall 5
			09/05/12	09/05/12	09/06/12	09/06/12	09/06/12	09/06/12	09/07/12	09/07/12	09/05/12	09/05/12	09/07/12	09/05/12	09/05/12	09/06/12	09/07/12	09/05/12	09/06/12	09/06/12	09/07/12	09/07/12
Volatile Organic Compounds (VOCs) - mg/Kg [3]																					
1,2-Dichloroethane	**0.27**	**2.3**	ND	ND	ND	0.0027 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene	**--**	**--**	ND	0.03 J	0.001 J	0.00083 J	0.0071 J	0.0029 J	0.00063 J	ND	0.0007 J	0.2	ND	ND	0.0037 J	0.033 J	ND	0.011 J	0.0059 J	0.088	0.001 J	ND
1,2,4-Trimethylbenzene	**3.6**	**47**	0.003 J	0.33 J	0.0046 J	0.0031 J	0.032 J	0.024	0.0053 J	ND	0.0034 J	0.066	ND	0.0034 J	0.039 J	ND	ND	0.0085 J	0.013 J	0.01 J	0.0088 J	ND
1,3,5-Trimethylbenzene	**8.4**	**47**	ND	0.12 J	0.004 J	0.0026 J	0.01 J	0.0071 J	ND	ND	ND	0.025 J	ND	ND	0.0097 J	ND	ND	0.0038 J	0.0045 J	0.0045 J	0.0024 J	ND
1,4-Diethylbenzene	**--**	**--**	ND	0.063 J	0.00092 J	ND	ND	ND	0.0011 J	ND	0.0012 J	0.056	ND	ND	0.0087 J	0.01 J	ND	ND	ND	0.022	0.0012 NJ	ND
2-Butanone (MEK)	**0.12**	**100**	ND	ND	0.011 J	ND	ND	ND	ND	ND	0.013 J	ND	ND	ND	0.026 J	ND	ND	0.036	ND	0.08	ND	ND
4-Ethyltoluene	**--**	**--**	0.0016 J	0.17 J	0.0034 J	ND	ND	ND	0.0028 J	ND	0.0028 J	0.037	ND	0.0026 J	0.022	ND	0.00058 J	0.0061 J	ND	0.014	0.0023 J	ND
p-Cymene (p-isopropyltoluene)	**--**	**--**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.03 NJ	ND	ND
Acetone	**0.05**	**100**	ND	ND	0.015 J	ND	0.05	0.029 J	ND	**0.3**	0.04	ND	ND	0.031 J	**0.083**	**0.077**	ND	ND	ND	**0.2**	**0.19**	**0.31**
Benzene	**0.06**	**2.9**	ND	ND	**0.14**	ND	0.02	0.023	ND	ND	ND	0.02	ND	ND	0.0024 J	ND	ND	0.014	0.03	0.044	ND	ND
Carbon disulfide	**--**	**--**	ND	ND	0.002 J	ND	ND	ND	ND	ND	ND	0.011 J	ND	ND	ND	0.0025 J	ND	ND	0.038	ND	ND	ND
Ethylbenzene	**1**	**30**	0.0018 J	0.074 J	0.0087	0.0029	0.006	0.0071	0.00075 J	ND	0.0024 J	0.96	ND	ND	0.016	ND	ND	0.0061	0.0031 J	0.21	0.0021 J	ND
Isopropylbenzene (Cumene)	**--**	**--**	ND	0.012 J	0.002 J	ND	0.0068	0.01	ND	ND	ND	0.083	ND	ND	ND	ND	ND	ND	0.0027 J	0.026	ND	ND
Methyl tert butyl ether (MTBE)	**0.93**	**62**	ND	ND	0.0033 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	**0.05**	**51**	ND	ND	ND	0.012 J	0.011 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	**12**	**100**	ND	0.023 J	0.0055 J	ND	0.044 J	0.0037 J	ND	ND	ND	0.26	ND	ND	0.0055 J	ND	ND	0.0036 J	0.0045 J	0.15	ND	ND
n-Butylbenzene	**12**	**100**	ND	0.0081 J	ND	ND	0.011	ND	ND	ND	ND	0.054	ND	ND	ND	ND	ND	ND	ND	0.025	ND	ND
n-Propylbenzene	**3.9**	**100**	ND	0.058 J	0.0032	ND	0.016	0.022	ND	ND	ND	0.48	ND	ND	0.0046	ND	ND	0.0042	0.0057	0.14	0.0021 J	ND
sec-Butylbenzene	**11**	**100**	ND	ND	ND	ND	0.025	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01 NJ	0.0084 NJ	ND	ND
Toluene	**0.7**	**100**	0.0032 J	0.0031 J	0.0059 J	ND	0.0067 J	0.009 J	ND	ND	ND	ND	ND	ND	0.0099	ND	ND	0.01	0.0046 J	0.0023 J	ND	ND
Total Xylene	**0.26**	**100**	0.0069 J	0.184 J	0.0248 J	0.0037 J	0.066	0.067	0.0047 J	ND	0.0035 J	0.0565 J	ND	0.0052 J	0.069	ND	0.0029 J	0.0236	0.039	0.0251 J	0.0099 J	ND

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Part 375 Soil Cleanup Objectives (December 2006)
3. Sample results were reported by the laboratory in ug/kg and converted to mg/kg for comparison to SCOs.

Definitions:

ND = Parameter not detected above laboratory detection limit.
"--" = Sample not analyzed for parameter or no SCO available for the parameter.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
NJ = The detection is tentative in identification and estimated in value.

BOLD	= Result exceeds Part 375 Unrestricted Use SCOs.
BOLD	= Result exceeds Part 375 Residential Use SCOs.

TURNKEY ENVIRONMENTAL RESTORATION, LLC

TABLE 7C

SUMMARY OF POST EXCAVATION SOIL ANALYTICAL RESULTS - CANOPY AREA

348 LANGNER ROAD SITE

WEST SENECA, NEW YORK

Parameter[1]	Unrestricted Use SCOs[2]	Residential Use SCOs[2]	Sample Locations											
			Canopy Area								Canopy Area Product Lines			SB-16 Bottom
			Northwall 1	Northwall 2	Northwall 3	Southwall 1	Southwall 2	Southwall 3	Bottom 1	Bottom 2	Bottom 1	Bottom 2	Bottom 3	
			08/16/12	08/16/12	08/16/12	08/16/12	08/16/12	08/16/12	08/16/12	08/16/12	09/11/12	09/11/12	09/11/12	11/19/12
Volatile Organic Compounds (VOCs) - mg/Kg [3]														
1,4-Diethylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00069 J	0.00078 J	--
2-Butanone (MEK)	**0.12**	**100**	ND	0.022 J	0.029 J	0.063	ND	ND	ND	ND	ND	ND	ND	--
Acetone	**0.05**	**100**	**0.1 J**	**0.14 J**	**0.23 J**	**0.37 J**	ND	0.028 J	0.033 J	ND	ND	**0.052**	ND	--
Benzene	**0.06**	**2.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0068	0.0055	--
Carbon disulfide	--	--	0.0022 J	0.0028 J	0.0025 J	0.0026 J	0.002 J	ND	ND	ND	ND	ND	ND	--
Ethylbenzene	**1**	**30**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0015 J	ND	--
Methyl tert butyl ether (MTBE)	**0.93**	**62**	0.0021 J	0.006 J	0.0035 J	0.012	ND	ND	ND	ND	ND	0.0016	ND	--
Methylene chloride	**0.05**	**51**	ND	0.03 J	ND	0.0082 J	0.0095 J	0.0093 J	ND	ND	ND	ND	ND	--
Toluene	**0.7**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.012	0.0014 J	--
Total Xylene	**0.26**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**14.6 J**	ND	--
Semi-Volatile Organic Compounds (SVOCs) - mg/Kg [3]														
Acenapthylene	**100**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	0.06 J
Anthracene	**100**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	0.17
Benzo(a)anthracene	**1**	**1**	ND	ND	0.29 NJ	ND	ND	0.52 J	ND	0.05 NJ	--	--	--	0.63
Benzo(a)pyrene	**1**	**1**	ND	ND	0.33 J	ND	ND	0.58 J	ND	0.068 J	--	--	--	0.76
Benzo(b)fluoranthene	**1**	**1**	ND	0.06 J	0.49 J	ND	ND	0.8 J	ND	0.094 J	--	--	--	1
Benzo(g,h,i)perylene	**100**	**100**	ND	ND	0.32 J	ND	ND	0.5 J	ND	0.087 J	--	--	--	0.64
Benzo(k)fluoranthene	**0.8**	**1**	ND	ND	0.19 J	ND	ND	0.33 J	ND	0.038 J	--	--	--	0.39
Bis(2-ethylhexyl) phthalate	--	--	0.41	1.41	ND	ND	ND	ND	ND	ND	--	--	--	ND
Butyl benzyl phthalate	--	--	ND	ND	0.4 J	ND	ND	ND	ND	ND	--	--	--	ND
Chrysene	**1**	**1**	ND	0.046 J	0.37 J	ND	ND	0.63 J	ND	0.066 J	--	--	--	0.78
Dibenzo(a,h)anthracene	**0.33**	**0.33**	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	0.14
Fluoranthene	**100**	**100**	0.028 NJ	0.069 J	0.64	ND	0.16 J	1 J	ND	0.11	--	--	--	1.5
Fluorene	**30**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	0.045 J
Indeno(1,2,3-cd)pyrene	**0.5**	**0.5**	ND	ND	0.34 J	ND	ND	**0.53 J**	ND	0.087 J	--	--	--	**0.7**
Phenanthrene	**100**	**100**	ND	0.045 J	0.24 J	0.046 NJ	ND	0.3 J	ND	0.04 J	--	--	--	0.65
Pyrene	**100**	**100**	ND	0.066 J	0.55 J	ND	ND	0.91 J	ND	0.093 J	--	--	--	1.2

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Part 375 Soil Cleanup Objectives (December 2006)
3. Sample results were reported by the laboratory in ug/kg and converted to mg/kg for comparison to SCOs.

Definitions:

ND = Parameter not detected above laboratory detection limit.
"--" = Sample not analyzed for parameter or no SCO available for the parameter.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
NJ = The detection is tentative in identification and estimated in value.

BOLD	= Result exceeds Part 375 Unrestricted Use SCOs.
BOLD	= Result exceeds Part 375 Residential Use SCOs.

TURNKEY ENVIRONMENTAL RESTORATION, LLC

TABLE 7D

SUMMARY OF POST EXCAVATION SOIL ANALYTICAL RESULTS
WEST EXCAVATION AREA

348 LANGNER ROAD SITE

WEST SENECA, NEW YORK

Parameter[1]	Unrestricted Use SCOs[2]	Residential Use SCOs[2]	Sample Locations				
			West Excavation Area				
			Bottom 1	Northwall 1	Southwall 1	Eastwall 1	Westwall 1
			08/21/12	08/21/12	08/21/12	08/21/12	08/21/12
Volatile Organic Compounds (VOCs) - mg/Kg [3]							
Acetone	**0.05**	**100**	ND	**0.057**	ND	ND	ND

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Part 375 Soil Cleanup Objectives (December 2006)
3. Sample results were reported by the laboratory in ug/kg and converted to mg/kg for comparison to SCOs.

Definitions:

ND = Parameter not detected above laboratory detection limit.
"--" = Sample not analyzed for parameter or no SCO available for the parameter.

BOLD	= Result exceeds Part 375 Unrestricted Use SCO.
BOLD	= Result exceeds Part 375 Residential Use SCO.

TABLE 7E

SUMMARY OF POST EXCAVATION SOIL ANALYTICAL RESULTS
PREWASH PAD EXCAVATION AREA

348 LANGNER ROAD SITE

WEST SENECA, NEW YORK

Parameter[1]	Unrestricted Use SCOs[2]	Residential Use SCOs[2]	Sample Locations								
			Prewash Pad Excavation Area								
			Bottom 1	Bottom 2	Bottom 3	Northwall 1	Northwall 2	Southwall 1	Southwall 2	Eastwall 1	Westwall 1
			06/12/13	06/12/13	06/12/13	06/12/13	06/12/13	06/12/13	06/12/13	06/12/13	06/14/13
Volatile Organic Compounds (VOCs) - mg/Kg [3]											
1,2-Dichloroethane	**0.27**	**2.3**	ND	ND	0.00083 J	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	**1.1**	**100**	ND	ND	ND	ND	ND	ND	0.007 J	ND	ND
2-Butanone (MEK)	**0.12**	**100**	ND	0.0039 J	ND	0.0033 J	ND	ND	ND	ND	ND
Acetone	**0.05**	**100**	ND	0.049	0.0046 J	0.042	0.004 J	ND	0.035 J	ND	0.0055 J
Benzene	**0.06**	**2.9**	ND	ND	0.00098 J	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumene)	**--**	**--**	ND	ND	ND	ND	ND	ND	0.016	ND	ND
Methylene chloride	**0.05**	**51**	ND	ND	ND	ND	ND	ND	0.031	ND	0.006 J
n-Butylbenzene	**12**	**--**	ND	ND	ND	ND	ND	0.29	0.011	ND	ND
n-Propylbenzene	**3.9**	**100**	ND	ND	ND	ND	ND	ND	0.024	ND	ND
sec-Butylbenzene	**11**	**100**	ND	ND	ND	ND	ND	ND	0.025	ND	ND

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Part 375 Soil Cleanup Objectives (December 2006)
3. Sample results were reported by the laboratory in ug/kg and converted to mg/kg for comparison to SCOs.

Definitions:

ND = Parameter not detected above laboratory detection limit.
"--" = Sample not analyzed for parameter or no SCO available for the parameter.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.

BOLD	= Result exceeds Part 375 Unrestricted Use SCO.
BOLD	= Result exceeds Part 375 Residential Use SCO.

TABLE 8

SUMMARY OF OFF-SITE SOURCE TOPSOIL ANALYTICAL RESULTS

348 LANGNER ROAD SITE

WEST SENECA, NY

Parameter[1]	Residential Use SCOs[2]	Sample Location			
		Topsoil Grab 1	Topsoil Grab 2	Topsoil Grab 3	Topsoil Grab 4
		10/25/13	10/25/13	10/25/13	10/25/13
Volatile Organic Compounds (VOCs) - mg/Kg [3]					
Methylene chloride	**51**	0.0026 J	ND	ND	--
Total Xylene	**100**	0.00065 J	ND	ND	--
Semi-Volatile Organic Compounds (SVOCs) - mg/Kg [3]					
4-Methylphenol	**--**	--	--	--	0.11 J
Benzaldehyde	**--**	--	--	--	0.1 J
Benzo(a)anthracene	**1**	--	--	--	0.12
Benzo(a)pyrene	**1**	--	--	--	0.11 J
Benzo(b)fluoranthene	**1**	--	--	--	0.15
Benzo(g,h,i)perylene	**100**	--	--	--	0.074 J
Benzo(k)fluoranthene	**1**	--	--	--	0.076 J
Butyl benzyl phthalate	**--**	--	--	--	0.077 J
Chrysene	**1**	--	--	--	0.13
Fluoranthene	**100**	--	--	--	0.28
Indeno(1,2,3-cd)pyrene	**0.5**	--	--	--	0.079
Phenanthrene	**100**	--	--	--	0.15
Pyrene	**100**	--	--	--	0.21
Total Metals - mg/Kg					
Aluminum	**--**	--	--	--	9600 J
Antimony	**--**	--	--	--	0.36 J
Arsenic	**16**	--	--	--	7.2
Barium	**350**	--	--	--	110
Beryllium	**14**	--	--	--	0.7
Cadmium	**2.5**	--	--	--	0.95
Calcium	**--**	--	--	--	9400
Chromium	**36**	--	--	--	19
Cobalt	**--**	--	--	--	9.1
Copper	**270**	--	--	--	40
Iron	**--**	--	--	--	16000
Lead	**400**	--	--	--	47
Magnesium	**--**	--	--	--	2900
Manganese	**2000**	--	--	--	560
Nickel	**140**	--	--	--	20
Potassium	**--**	--	--	--	480
Selenium	**36**	--	--	--	1.4 J
Silver	**36**	--	--	--	0.12 J
Sodium	**--**	--	--	--	63 J
Thallium	**--**	--	--	--	0.15 J
Vanadium	**--**	--	--	--	31
Zinc	**2200**	--	--	--	100 J
Mercury	**0.81**	--	--	--	0.19
Pesticides and Herbicides - mg/Kg [3]					
4,4'-DDD	**2.6**	--	--	--	0.00239
4,4'-DDE	**1.8**	--	--	--	0.00382

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as nor
2. Values per NYSDEC Part 375 Soil Cleanup Objectives (December 2006)
3. Sample results were reported by the laboratory in ug/kg and converted to mg/kg for comparison to SCOs.
4. Sample Topsoil Comp 1 was also analyzed PCBs; all reported as non detect.
5. Topsoil from Greenauer; 8040 Roll Road, Clarence, NY.

Definitions:

ND = Parameter not detected above laboratory detection limit.

"--" = Sample not analyzed for parameter or no SCO available for the parameter.

J = Estimated value; result is less than the sample quantitation limit but greater than zero.

BOLD = Exceeds Residential Use SCOs.

TABLE 9

COST ESTIMATE FOR UNRESTRICTED USE ALTERNATIVE

348 LANGNER ROAD SITE

WEST SENECA, NEW YORK

Item	Quantity	Units	Unit Cost	Total Cost
Impacted Soil/Fill Removal				
Soil/Fill Excavating & Hauling	14150	CY	$ 20.00	$ 283,000
Disposal at TSDF (1.5 tons per CY)	21225	TON	$ 30.00	$ 636,750
Post-Excavation Confirmatory Sampling [1]	200	EA	$ 300.00	$ 60,000
Subtotal:				**$ 979,750**
Site Restoration				
Backfill, Place & Compact	14150	CY	$ 22.00	$ 311,300
Backfill Characterization Sampling [2]	20	EA	$ 900.00	$ 18,000
Subtotal:				**$ 329,300**
Subtotal Capital Cost				**$ 1,309,050**
Contractor Mobilization/Demobilization				$ 10,000
Health and Safety (3%)				$ 39,272
Engineering/Contingency (25%)				$ 327,263
Total Unrestricted Cleanup Cost				**$ 1,685,584**
Total IRM Cost				**$ 800,000**
Total Capital Cost				**$ 2,485,584**

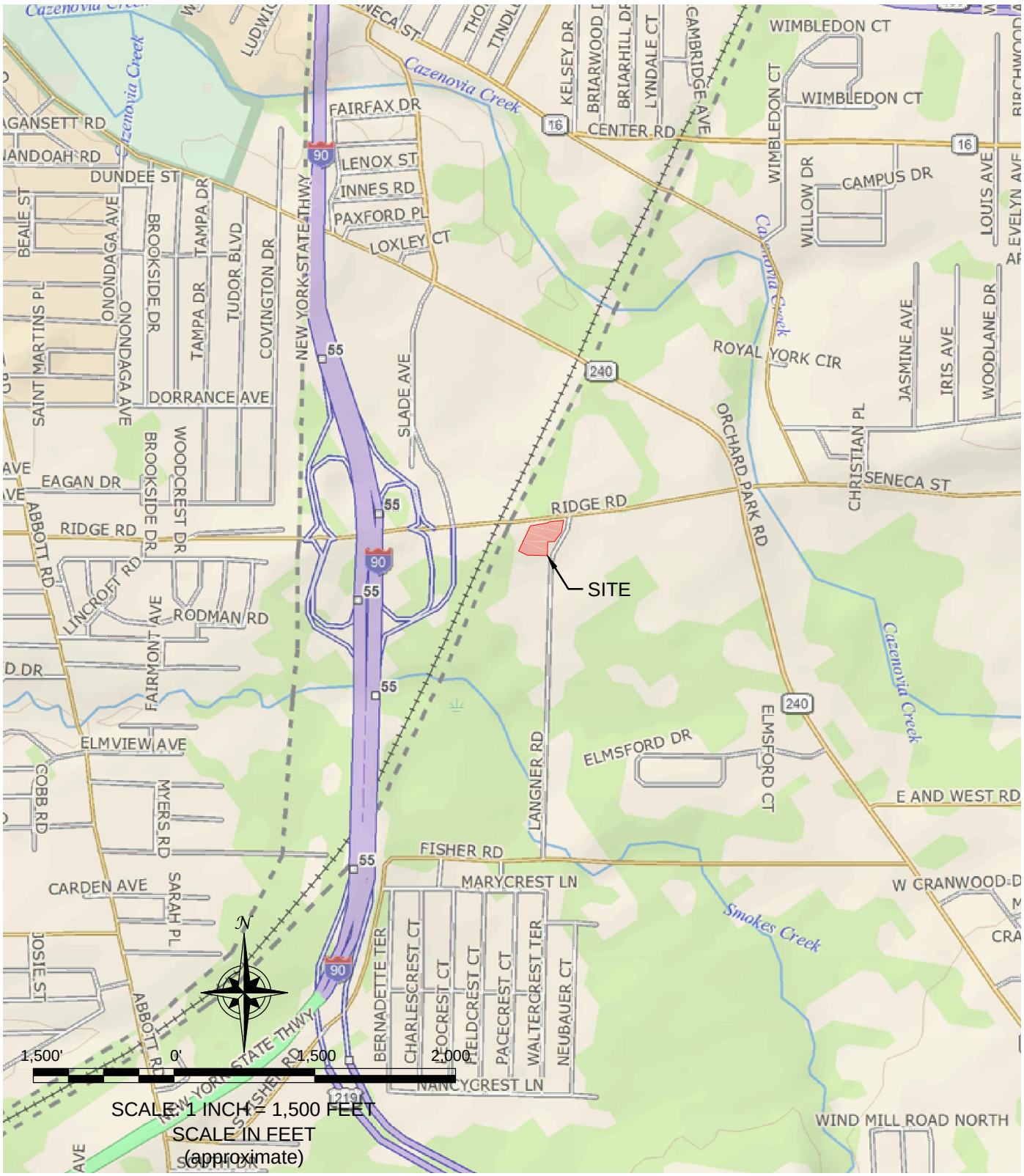
Notes:

1. Assumes VOCs and SVOCs
1. Characterization in accordance with DER-10.

FIGURES

F:\CAD\TurnKey\Delta Sonic\West Seneca (1802)\Remedial Investigation\Figure 1; Site Location and Vicinity Map.dwg

FIGURE 1



TurnKey Environmental Restoration, LLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

PROJECT NO.: 0123-012-002

DATE: MAY 2013

DRAFTED BY: JGT

SITE LOCATION AND VICINITY MAP

RI/IRM/AA REPORT

348 LANGNER ROAD SITE

WEST SENECA, NEW YORK

PREPARED FOR

DELTA SONIC CAR WASH SYSTEMS, INC.

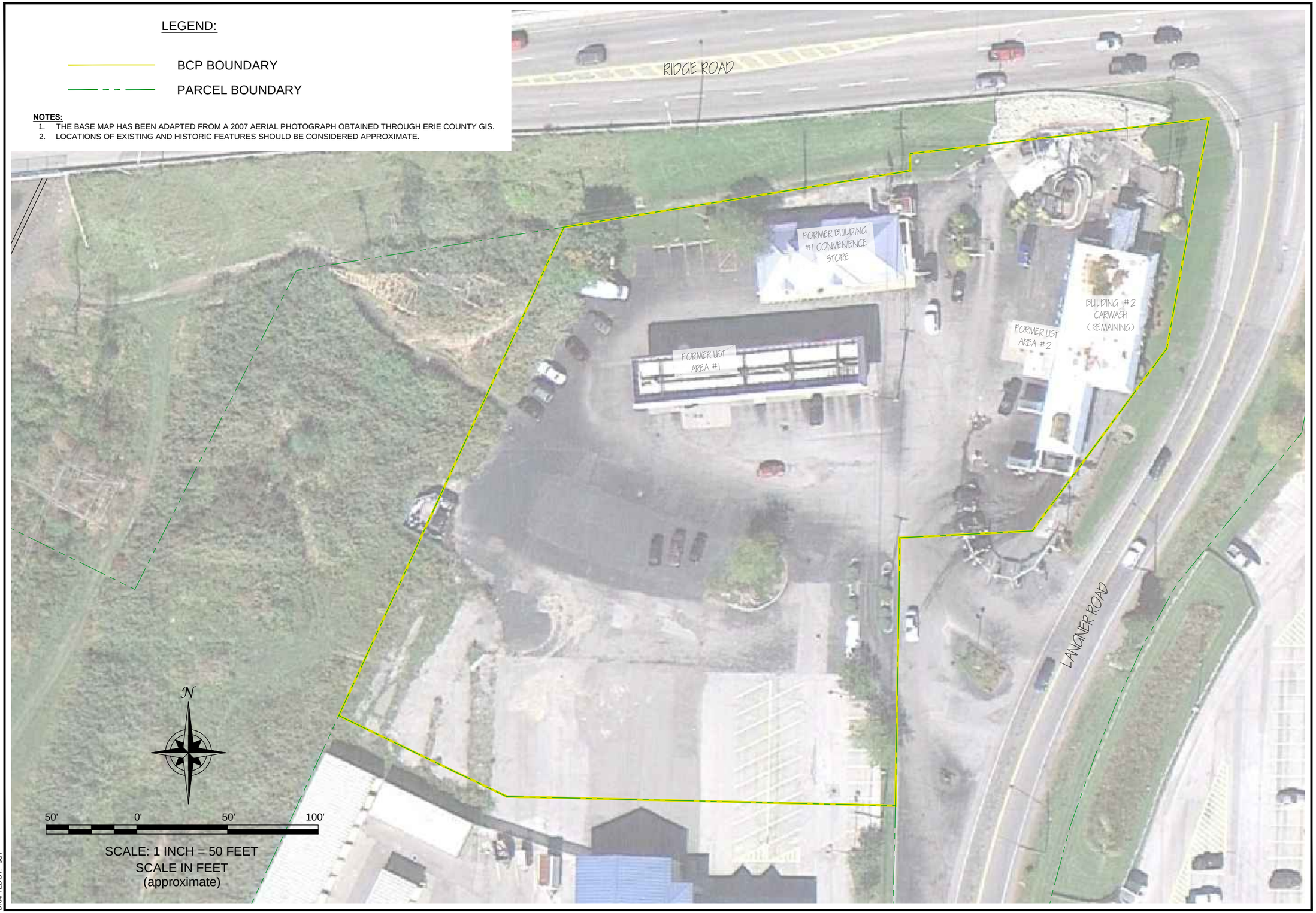
LEGEND:

BCP BOUNDARY

PARCEL BOUNDARY

NOTES:

1. THE BASE MAP HAS BEEN ADAPTED FROM A 2007 AERIAL PHOTOGRAPH OBTAINED THROUGH ERIE COUNTY GIS.
2. LOCATIONS OF EXISTING AND HISTORIC FEATURES SHOULD BE CONSIDERED APPROXIMATE.



DATE: MAY 2013
DRAFTED BY: JGT

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TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0123-012-002

SITE PLAN (AERIAL) PRE-REDEVELOPMENT

RI/IRM/AA REPORT

348 LANGNER ROAD SITE

BUFFALO, NEW YORK

PREPARED FOR

DELTA SONIC CAR WASH SYSTEMS, INC.

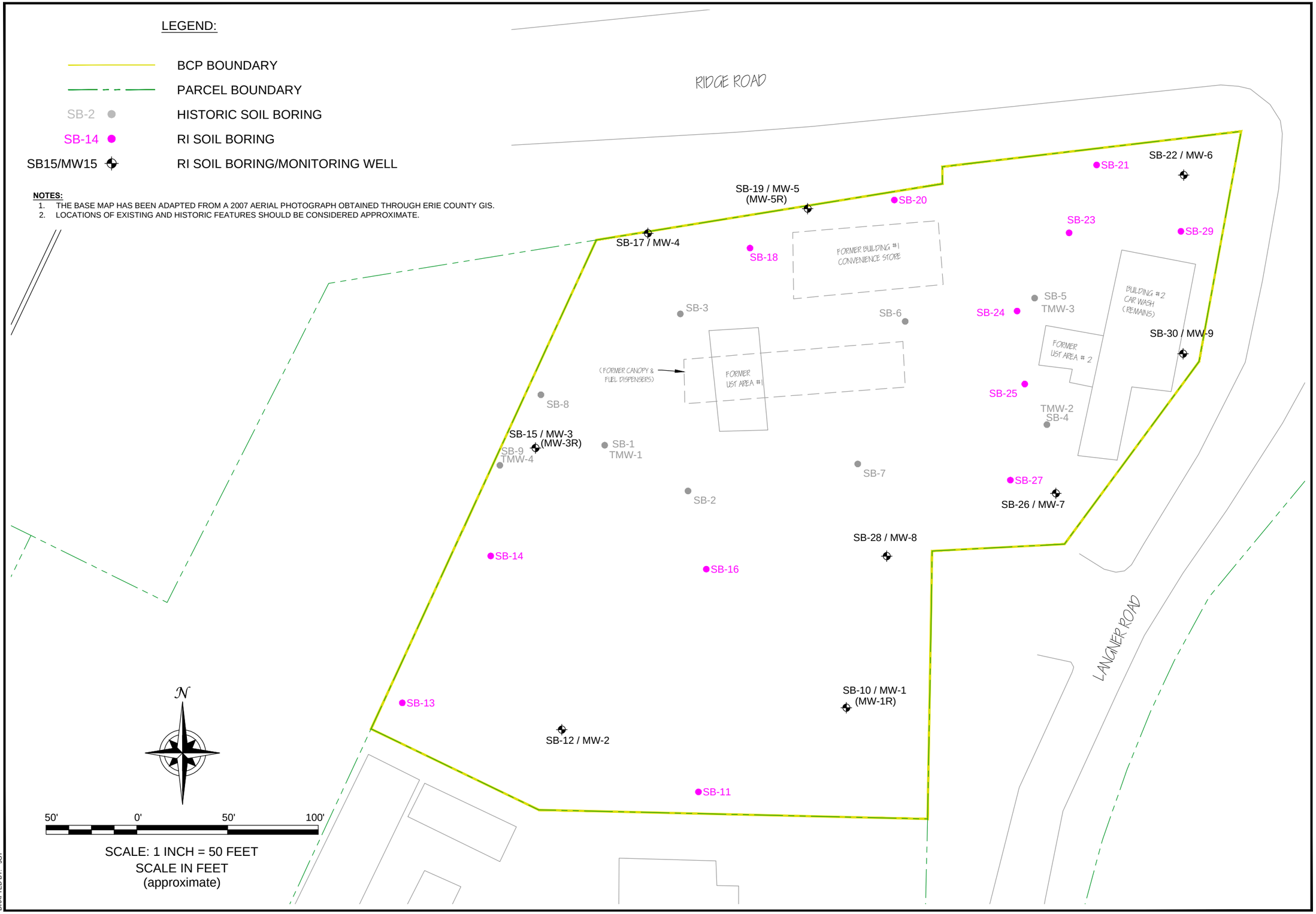
FIGURE 2

LEGEND:

- BCP BOUNDARY
- PARCEL BOUNDARY
- SB-2 HISTORIC SOIL BORING
- SB-14 RI SOIL BORING
- SB15/MW15 RI SOIL BORING/MONITORING WELL

NOTES:

1. THE BASE MAP HAS BEEN ADAPTED FROM A 2007 AERIAL PHOTOGRAPH OBTAINED THROUGH ERIE COUNTY GIS.
2. LOCATIONS OF EXISTING AND HISTORIC FEATURES SHOULD BE CONSIDERED APPROXIMATE.



SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)

DATE: MAY 2013
DRAFTED BY: JGT

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SUITE 300
BUFFALO, NY 14218
(716) 856-0635

TurnKey Environmental Restoration, LLC

JOB NO.: 0123-012-002

HISTORIC AND RI SAMPLE LOCATIONS

RI/IRM/AA REPORT
348 LANGNER ROAD SITE
BUFFALO, NEW YORK
PREPARED FOR
DELTA SONIC CAR WASH SYSTEMS, INC.

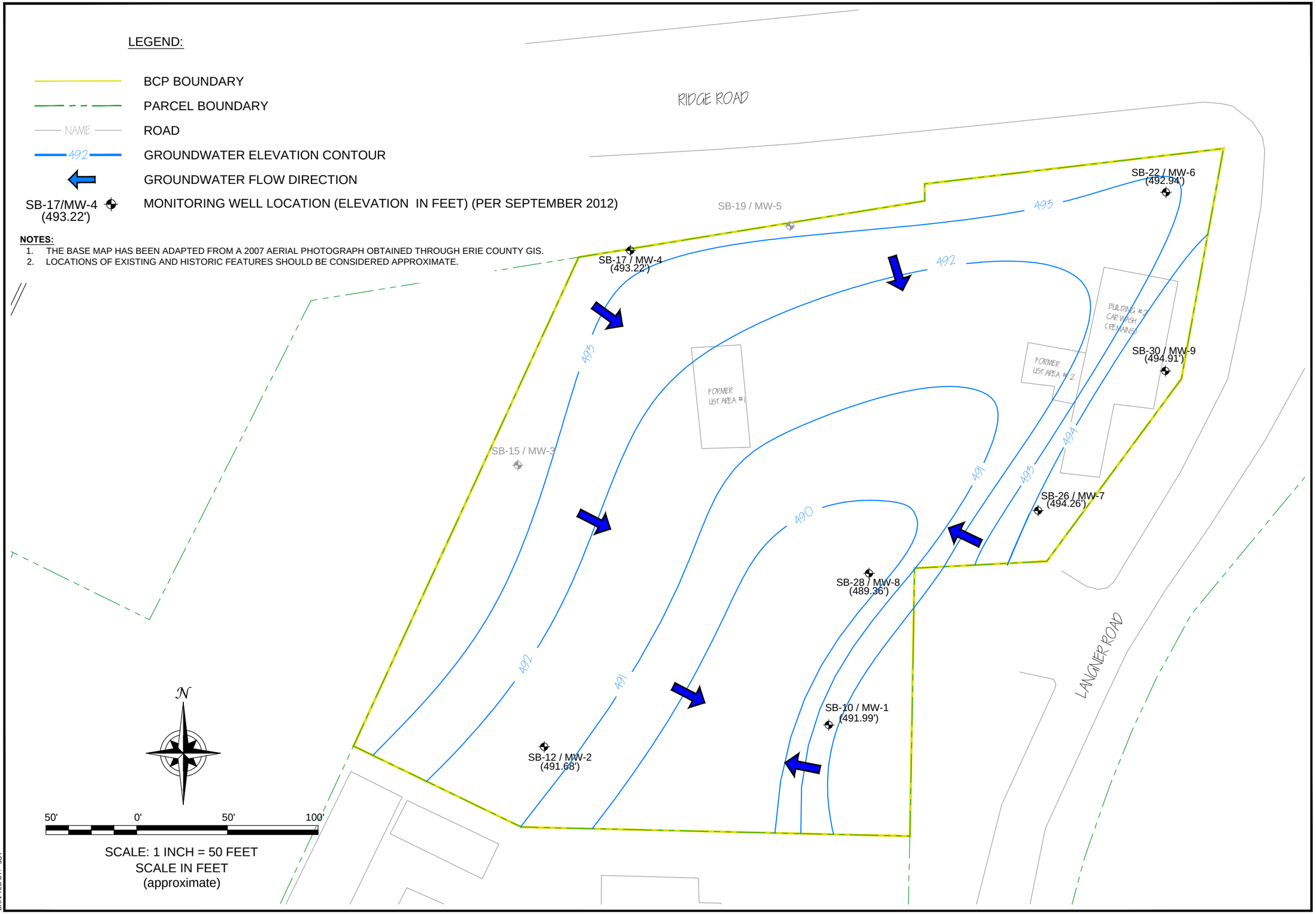
FIGURE 3

LEGEND:

- BCP BOUNDARY
- PARCEL BOUNDARY
- NAME — ROAD
- 492 — GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- SB-17/MW-4 (493.22') — MONITORING WELL LOCATION (ELEVATION IN FEET) (PER SEPTEMBER 2012)

NOTES:

1. THE BASE MAP HAS BEEN ADAPTED FROM A 2007 AERIAL PHOTOGRAPH OBTAINED THROUGH ERIE COUNTY GIS.
2. LOCATIONS OF EXISTING AND HISTORIC FEATURES SHOULD BE CONSIDERED APPROXIMATE.



DATE: MAY 2013
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JOB NO.: 0123-012-002

GROUNDWATER MONITORING WELL LOCATIONS & ISOPOTENTIAL MAP

RI/IRM/AA REPORT

348 LANGNER ROAD SITE

BUFFALO, NEW YORK

PREPARED FOR

DELTA SONIC CAR WASH SYSTEMS, INC.

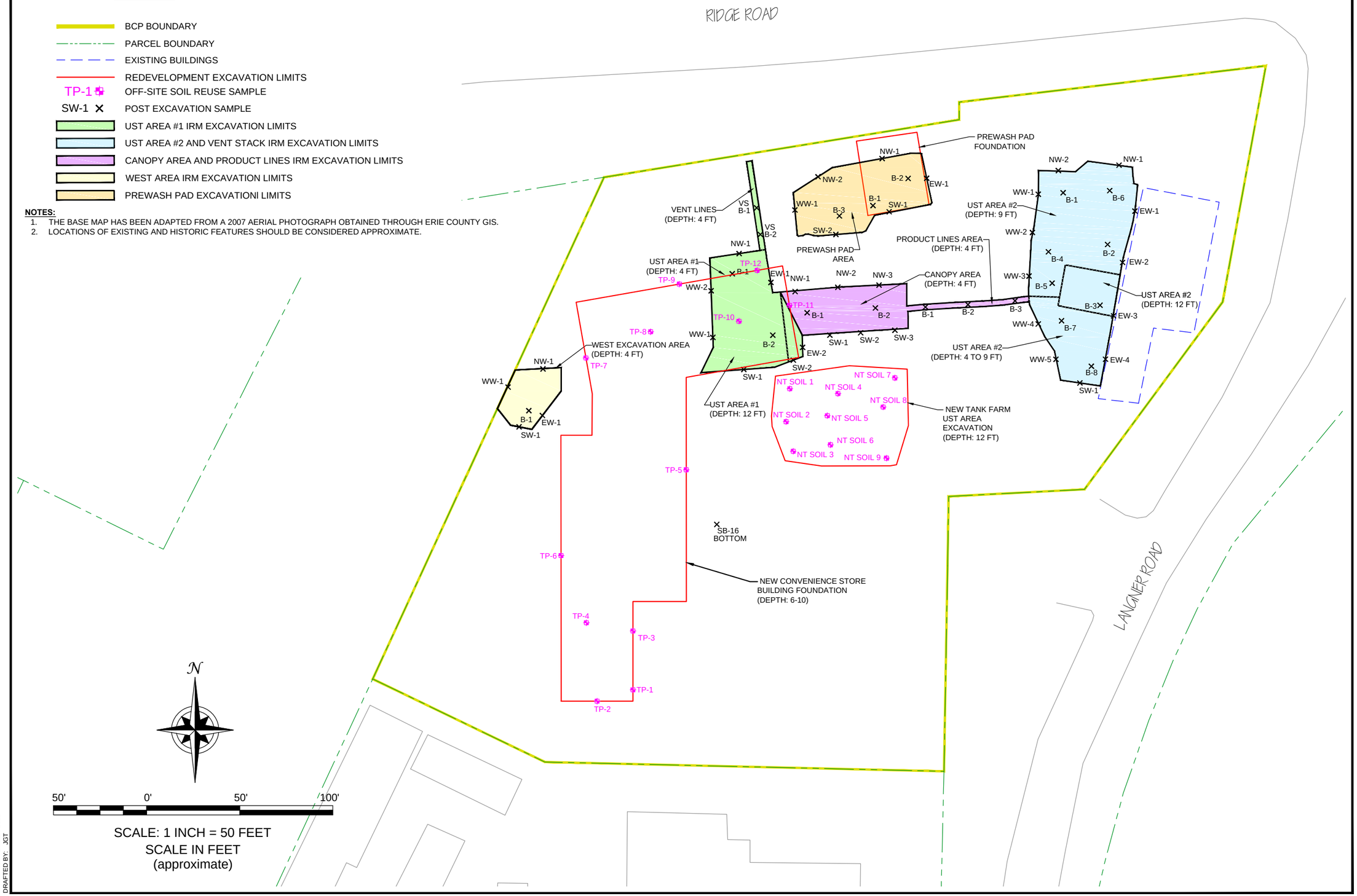
FIGURE 4

LEGEND

- BCP BOUNDARY
- PARCEL BOUNDARY
- EXISTING BUILDINGS
- REDEVELOPMENT EXCAVATION LIMITS
- TP-1 OFF-SITE SOIL REUSE SAMPLE
- SW-1 POST EXCAVATION SAMPLE
- UST AREA #1 IRM EXCAVATION LIMITS
- UST AREA #2 AND VENT STACK IRM EXCAVATION LIMITS
- CANOPY AREA AND PRODUCT LINES IRM EXCAVATION LIMITS
- WEST AREA IRM EXCAVATION LIMITS
- PREWASH PAD EXCAVATIONI LIMITS

NOTES:

1. THE BASE MAP HAS BEEN ADAPTED FROM A 2007 AERIAL PHOTOGRAPH OBTAINED THROUGH ERIE COUNTY GIS.
2. LOCATIONS OF EXISTING AND HISTORIC FEATURES SHOULD BE CONSIDERED APPROXIMATE.



DATE: SEPTEMBER 2013
DRAFTED BY: JGT

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JOB NO.: 0123-012-002

IRM & REDEVELOPMENT EXCAVATION ACTIVITIES (RECORD DRAWING)

RI/IRM/AA REPORT

348 LANGNER ROAD SITE

WEST SENECA, NEW YORK

PREPARED FOR

DELTA SONIC CAR WASH SYSTEMS, INC.

FIGURE 5

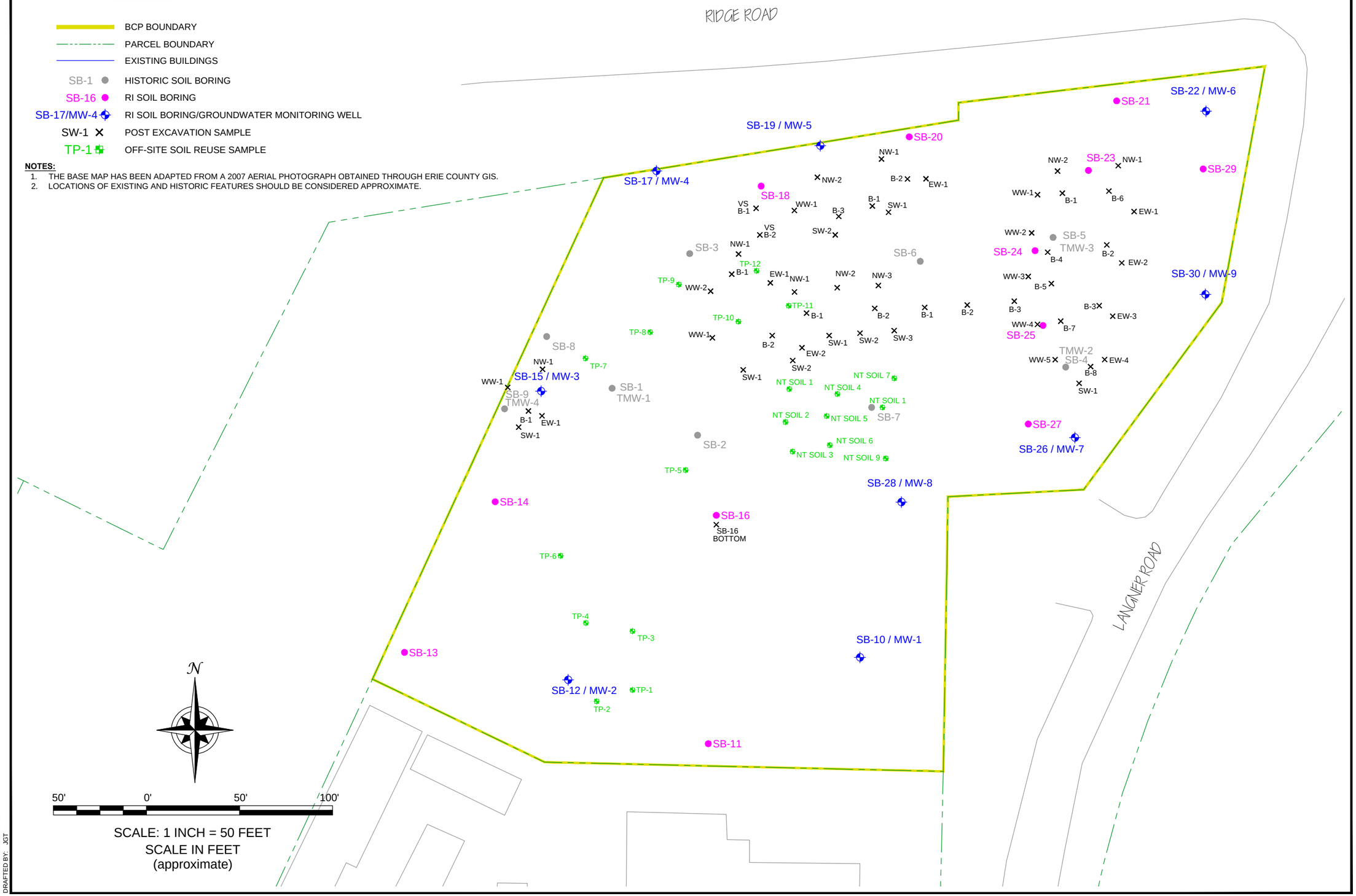
F:\CAD\TurnKey\Delta Sonic\West Seneca (1802)\Remedial Investigation\Figure 2-5.dwg

LEGEND

- BCP BOUNDARY
- PARCEL BOUNDARY
- EXISTING BUILDINGS
- SB-1 HISTORIC SOIL BORING
- SB-16 RI SOIL BORING
- SB-17/MW-4 RI SOIL BORING/GROUNDWATER MONITORING WELL
- SW-1 POST EXCAVATION SAMPLE
- TP-1 OFF-SITE SOIL REUSE SAMPLE

NOTES:

1. THE BASE MAP HAS BEEN ADAPTED FROM A 2007 AERIAL PHOTOGRAPH OBTAINED THROUGH ERIE COUNTY GIS.
2. LOCATIONS OF EXISTING AND HISTORIC FEATURES SHOULD BE CONSIDERED APPROXIMATE.



DATE: SEPTEMBER 2013
DRAFTED BY: JGT

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JOB NO.: 0123-012-002

SUMMARY OF ON-SITE SOIL SAMPLES

RI/IRM/AA REPORT
348 LANGNER ROAD SITE
WEST SENECA, NEW YORK
PREPARED FOR
DELTA SONIC CAR WASH SYSTEMS, INC.

FIGURE 6

APPENDIX A

PROJECT PHOTOLOG

SITE PHOTOGRAPHS

Photo 1:

Photo 2:

Photo 3:

Photo 4:

Photo 1: Car Wash (Looking southwest from the corner of Ridge Rd. and Langner Rd.

Photo 2: Car Wash (Looking northeast from the Site)

Photo 3: Convenient Store – (Looking northeast from the Site)

Photo 4: Canopy – (looking northwest from the Site)

SITE PHOTOGRAPHS

Photo 5:

Photo 6:

Photo 7:

Photo 8:

Photo 5: Remedial Investigation (RI) – Soil boring location (looking northwest)

Photo 6: RI – Soil boring location (looking south)

Photo 7: RI – Soil boring location (looking south)

Photo 8: Groundwater monitoring well advancement (looking east)

SITE PHOTOGRAPHS

Photo 9:

Photo 10:

Photo 11:

Photo 12:

Photo 9: Interim Remedial Measures (IRM) – Excavation in UST area #1

Photo 10: IRM Excavation – Tank pull in UST area #1

Photo 11: IRM Excavation – UST area #1 (looking south)

Photo 12: IRM Excavation - Backfill and rolling – UST area #1 (looking northeast)

SITE PHOTOGRAPHS

Photo 13:

Photo 14:

Photo 15:

Photo 16:

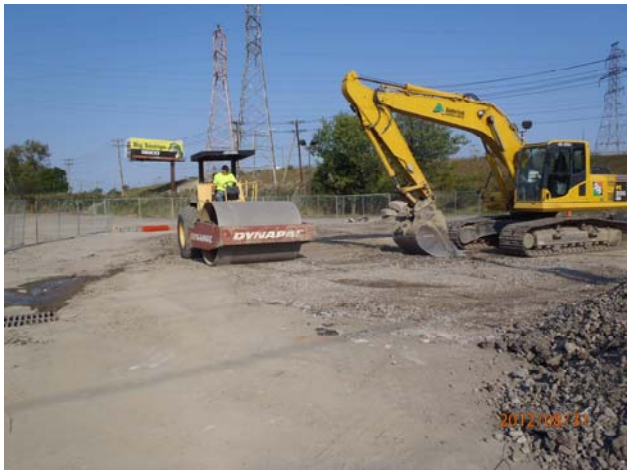


Photo 13: IRM Canopy Excavation (looking west)

Photo 14: IRM UST area #1 and canopy excavation (looking south east)

Photo 15: IRM vent stack removal (looking north)

Photo 16: IRM backfill of UST area #1

SITE PHOTOGRAPHS

Photo 17:

Photo 18:

Photo 19:

Photo 20:

Photo 17: IRM – UST area #2 excavation (looking north)

Photo 18: IRM – UST area #2 excavation (looking northwest)

Photo 19: IRM – UST area #2 excavation – tank pull (looking north)

Photo 20: IRM – UST area #2 excavation – tank

SITE PHOTOGRAPHS

Photo 21:

Photo 22:

Photo 23:

Photo 24:

Photo 21: IRM – UST area #2 excavation (looking north)

Photo 22: IRM – UST area #2 excavation (looking northwest)

Photo 23: IRM – backfilling and rolling of UST area#2 excavation.

Photo 24: IRM – backfilling and rolling of UST area#2 excavation.

SITE PHOTOGRAPHS

Photo 25:

Photo 26:

Photo 27:

Photo 28:

Photo 25: Redevelopment – New USTs – (looking west).

Photo 26: Redevelopment – New UST pit backfill – (looking north).

Photo 27: Redevelopment – New UST area complete – (looking northeast).

Photo 28: Redevelopment – Pump island installation – (looking north).

SITE PHOTOGRAPHS

Photo 29:

Photo 30:

Photo 31:

Photo 32:

Photo 29: Redevelopment – Site condition; stockpiles and fencing – (looking south).

Photo 30: Redevelopment – Site condition; stockpiles and fencing – (looking south).

Photo 31: Redevelopment – Utilities excavation – (looking south).

Photo 32: Redevelopment – Utilities excavation – (looking north).

SITE PHOTOGRAPHS

Photo 33:

Photo 34:

Photo 35:

Photo 36:

Photo 33: Redevelopment – Pump island and canopy installation – (looking north).

Photo 34: Redevelopment – Pump infrastructure installation – (looking west).

Photo 35: IRM – Prewash pad – (looking east).

Photo 36: IRM – Prewash pad perimeter excavation – (looking east).

SITE PHOTOGRAPHS

Photo 37:

Photo 38:

Photo 39:

Photo 40:

Photo 37: IRM – Prewash pad excavation work – (looking north).

Photo 38: IRM – Prewash pad excavation – (looking northeast).

Photo 39: IRM – Sediment control – (looking north).

Photo 40: IRM – Prewash pad excavation limits – (looking southeast).

SITE PHOTOGRAPHS

Photo 41:

Photo 42:

Photo 43:

Photo 44:

Photo 41: Redevelopment – Canopy and building – (looking west).

Photo 42: Redevelopment – Canopy and building – (looking northwest).

Photo 43: Redevelopment – Prewash pad and building – (looking north).

Photo 44: Redevelopment – Site condition – (looking northeast).

APPENDIX B

FIELD BOREHOLE LOGS AND WELL COMPLETION DETAILS

Project No: 0123-005-100

Borehole Number: SB - 1

Project: Delta Sonic Phase II

Client: Delta Sonic

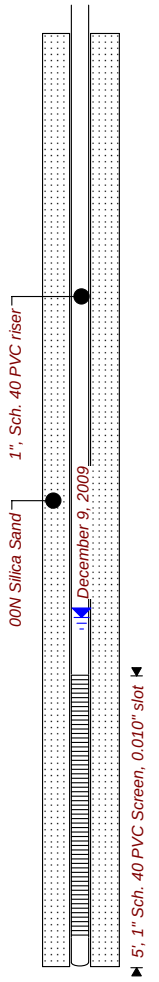
Logged By: TAB

Site Location: 348 Langner Rd, West Seneca

Checked By: BCH

Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY
(716) 856-0599

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Asphalt and Subbase*** Black/grey non plastic fines, with fine to coarse sand and some coarse and fine gravel, dense, loose when disturbed.					0.0		
	-1.0 / 1.0	***Fill*** Black, moist to wet (3.0 fbgs) non plastic fines, some coarse sands, dense, with orange brick, slight sheen.	1		3.2		0.0	STARS VOC & STARS SVOC	
	-3.0 / 3.0	***Silty Clay*** Brown, moist, medium to high plasticity fines, little sand , few coarse sand. very stiff, high plasticity.					0.0		
	-4.0 / 4.0						0.0		
5.0		***Silty Clay*** As above, very stiff.	2		2.8		0.0		
	-8.0 / 8.0						0.0		
		Silty Clay As above, wet, few fine gravel, some fine sand, very stiff to soft,	3		3.0		0.0		
10.0	-11.0 / 11.0	***Till*** Grey, wet, masssive, fines with some fine sand, with few sub-rounded fine gravel's, soft, high plasticity,					0.0		
	-12.0 / 12.0						0.0		
		Till As above, brown.	4		1.0		0.0		
15.0	-16.0 / 16.0	End of Borehole							



Drilled By: Russo Development
Drill Rig Type: Geo-probe
Drill Method: Direct Push

Drill Date(s): 12/9/09

Hole Size: 2-inch
Stick-up: na
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-100

Borehole Number: SB -2

Project: Delta Sonic Phase II

Client: Delta Sonic

Logged By: TAB

Site Location: 348 Langner Rd, West Seneca

Checked By: BCH

Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY
(716) 856-0599

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Asphalt and subbase*** Black/grey non plastic fines, with fine to coarse sand and some coarse and fine gravel, dense, loose when disturbed.							
	-1.0 1.0	***Fill*** Black moist to wet (3.0 fbgs) non-plastic fines, w/ some coarse sands, w/ orange brick, dense.	1		2.8				
	-3.0 3.0	***Silty Clay*** Brown, moist, silty clay, little sand , few coarse sand and fine gravel.							
	-4.0 4.0								
5.0		***Silty Clay*** As above very dense, high plasticity.	2		3.3				▼ December 9, 2009
	-8.0 8.0								
		Silty Clay As above few fine gravel, wet some fine sand.	3		3.1				
10.0	-11.0 11.0	***Till*** Grey, wet, high plasticity fines w/ some fine sand, few sub rounded fine gravel, soft.							
	-12.0 12.0								
		Till As above.	4		1.2				
15.0	-16.0 16.0	End of Borehole							
20.0									

Drilled By: Russo Development
Drill Rig Type: Geo-probe
Drill Method: Direct Push

Drill Date(s): 12/9/09

Hole Size: 2-inch
Stick-up: na
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-100

Borehole Number: SB-3

Project: Delta Sonic Phase II

Client: Delta Sonic

Logged By: TAB

Site Location: 348 Langner Rd, West Seneca, NY

Checked By: BCH

Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300
Lackawanna, NY
(716) 856-0599

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Asphalt and Subbase*** Black/grey non plastic fines, with fine to coarse sand and some coarse and fine gravel, dense, loose when disturbed.							
	-1.0 1.0	***Fill (reworked)*** Brown, moist, dense, non-plastic fines, some fine to coarse sands and fine to coarse gravels.	1		3.3		0.0 0.0	STARS VOC & STARS SVOC	
	-4.0 4.0	***Silty Clay*** Brown, moist, high plasticity fines, stiff.	2		.8		0.0 0.0		
5.0	-8.0 8.0	***Silty Clay*** As above, moist to wet w/ trace fine sand, very stiff.	3		3.5		0.0 0.0		▼ December 9,2009
10.0	-11.0 11.0	***Till*** Grey, wet, high plasticity fines w/ some fine sand, with few sub rounded fine gravels, soft, high plasticity.							
	-12.0 12.0	***Till*** As above.	4		2.4		0.0 0.0		
15.0	-16.0 16.0	End of Borehole							
20.0									

Drilled By: Russo Development
Drill Rig Type: Geo-probe
Drill Method: Direct Push

Drill Date(s): 12/9/09

Hole Size: 2-inch
Stick-up: NA
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-100

Borehole Number: SB-4

Project: Delta Sonic Phase II

Client: Delta Sonic

Logged By: TAB

Site Location: 348 Langner Road, West Seneca, NY

Checked By: BCH

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Lackawanna, NY
(716) 856-0599

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 / 500 / 1000)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Asphalt and Subbase*** Black/grey non plastic fines, with fine to coarse sand and some coarse and fine gravel, dense, loose when disturbed.							
	-1.0 / 1.0	***Fill*** Brown/black, moist, fill, medium plasticity fines, with orange and yellow brick, strong odor at bottom.	1		3.4		125; 777	STARS VOC & SVOC	
	-4.0 / 4.0	***Silty Clay*** Olive green, moist, high plasticity fines, with little fine sand, stiff, high plasticity, fine to coarse sand wet seam at 5.0 fbgs with strong odor.							
5.0	-6.0 / 6.0	***Silty Clay*** As above, brown, slight odor.	2		3.2		2.0		
	-8.0 / 8.0	***Silty Clay*** As above, wet, with some fine sand, with few sub-rounded fine gravel, soft.	3		2.6		4.5		
10.0	-12.0 / 12.0	***Till*** Grey, wet, medium plastic fines with some fine sand, with few sub rounded gravels.	4		2.2		1.6; 0.0		
15.0	-16.0 / 16.0	End of Borehole							

Well Completion Details: *1", Sch. 40 PVC riser*; *00N Silica Sand*; *December 9, 2009*; *5', 1" Sch. 40 PVC Screen, 0.010" slot*

Drilled By: Russo Redevelopment
Drill Rig Type: Geo-probe
Drill Method: Direct Push

Drill Date(s): 12/9/09

Hole Size: 2-inch
Stick-up: .1-inch
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-100

Borehole Number: SB-5

Project: Delta Sonic Phase II

Client: Delta Sonic

Logged By: TAB

Site Location: 348 Langner Rd, West Seneca NY

Checked By: BCH

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Lackawanna, NY
(716) 856-0599

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 / 250 / 500)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Asphalt and Sub Base*** Black/grey non plastic fines, with fine to coarse sand and some coarse and fine gravel, dense, loose when disturbed.							
	-1.5 1.5	***Fine Sand*** Black to brown, wet, fine sand, rapid dilatancy, odor.	1		2.6		0.0; 267	STARS VOC & STARS SVOC	
	-3.0 3.0	***Silty Clay*** Dark brown, moist, high plasticity fines, trace fine sand, stiff.							
	-4.0 4.0	***Silty Clay*** Brown, wet, high plasticity fines, little fine sand, trace coarse sand, soft.	2		1.5		14.8; 30		
5.0									
	-8.0 8.0	***Till*** Brown, wet, high plasticity fines with some fine sand, few sub -rounded gravel, soft.	3		3.0		.7		
10.0									
	-12.0 12.0	End of Borehole							
15.0									
20.0									

1", Sch. 40 PVC riser
December 9, 2009
00N Silica Sand
5', 1" Sch. 40 PVC Screen, 0.010" slot

Drilled By: Russo Development
Drill Rig Type: Geo-probe
Drill Method: Direct push

Drill Date(s): 12/9/09

Hole Size: 2-inch
Stick-up: 0.5 - inch
Datum: Mean Sea level

Sheet: 1 of 1

Project No: 0123-005-100

Borehole Number: SB-6

Project: Delta Sonic Phase II

Client: Delta Sonic

Logged By: TAB

Site Location: 348 Langner Road, West Seneca NY

Checked By: BCH

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Lackawanna, NY
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SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 – 1000 – 2000)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0 / -0.7 / 0.7	***Asphalt and sub base,*** Black grey, non plastic fines with coarse sand and fine gravel, dense, loose when disturbed.							
	-2.0 / 2.0	***Fill (reworked)*** Brown, moist, non plastic fines, with some fine sand, with coarse limestone peices and cinders, medium dense.	1		2.5				
	-4.0 / 4.0	***Silty Clay*** Brown, moist to wet at interface, high plasticity fines, with trace fine sand, very stiff.						STARS VOC & SVOC	
5.0		***Till*** As above, trace coarse sand and trace sub-rounded fine gravel.	2		3.5				
	-8.0 / 8.0	***Till*** As above, wet, with few fine sand, few sub rounded gravel.							
10.0			3		3				
	-12.0 / 12.0	End of Borehole							
15.0									
20.0									

December 9, 2009

Drilled By: Russo Development
Drill Rig Type: Geoprobe
Drill Method: Direct Push

Drill Date(s): 12/9/09

Hole Size: 2-inch
Stick-up: NA
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-100

Borehole Number: SB-7

Project: Delta Sonic Phase II

Client: Delta Sonic

Logged By: TAB

Site Location: 348 Langner Rd, West Seneca NY

Checked By: BCH

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SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Asphalt and sub base*** Black/grey non plastic fines, with fine to coarse sand and some coarse and fine gravel, dense, loose when disturbed.							
	-1.0 / 1.0								
		Silty Clay Black to olive green,moist, high plasticity fines with few fine sand, stiff, with rootlets.	1		2.9		0.0; 1.0	STARS SVOC & VOC	
	-4.0 / 4.0								
5.0		***Till*** As above, brown with some fine sand, few sub angular and sub rounded fine gravels, no rootlets.	2		1.6		0.0; 0.0		December 9, 2009
	-8.0 / 8.0								
10.0		***Till*** as above, wet, few fine gravel, refusal at 11.6 fbgs	3		2.0		0.0; 0.0		
	-11.6 / 11.6	End of Borehole							
15.0									
20.0									

Drilled By: Russo Development
Drill Rig Type: Geoprobe
Drill Method: Direct push

Drill Date(s): 12/9/09

Hole Size: 2-inch
Stick-up: NA
Datum: Mean Sea Level.

Sheet: 1 of 1

Project No: 0123 - 005 - 100

Borehole Number: SB -8

Project: Delta Sonic Phase II

Client: Delta Sonic

Logged By: TAB

Site Location: 348 Langner Road, West Seneca NY

Checked By: BCH

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SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Asphalt and subbase*** Black/grey non plastic fines, with fine to coarse sand and some coarse and fine gravel, dense, loose when disturbed.							
	-1.0 1.0	***Fill (reworked)*** Brown/black, moist, low plasticity fines, with some fine sand and coarse sand, few coarse gravels, dense.	1		2.8				
	-4.0 4.0	***Silty Clay*** Brown, moist, medium plastic fines w/ trace fine sand, grey vertical grey fine sand f filled factures, very stiff.	2		1.6				
5.0	-8.0 8.0	End of Borehole							
10.0									
15.0									
20.0									

Drilled By: Russo Development
Drill Rig Type: Geoprobe
Drill Method: Direct Push

Drill Date(s): 12/9/09

Hole Size: 2-inch
Stick-up: NA
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123 - 005 - 100

Borehole Number: SB - 9

Project: Delta Sonic Phase II

Client: Delta Sonic

Logged By: TAB

Site Location: 348 Langner Rd, West Seneca, NY

Checked By: BCH

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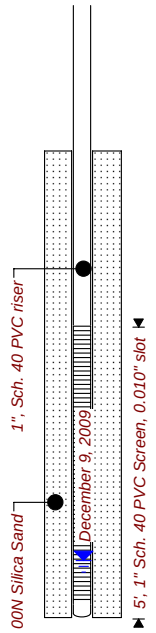
SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
-4.0									
	0.0	Ground Surface							
	0.0	***Asphalt and Subbase*** Black/grey, non plastic fines, with fine to coarse sand and some coarse and fine gravel, dense, loose when disturbed.							
1.0	-1.0 1.0	***Fill*** Olive green grey, moist, high plasticity fines with cinders and slag pieces, very dense, sight odor.	1		3,0		0.0, 7.4	STARS SVOC & VOC	
	-4.0 4.0	***Silty Clay*** Brown, moist to wet, high plasticity with trace fine sand, stiff to soft, high placticity.	2		3.2		0.0, 0.0		
6.0	-8.0 8.0	End of Borehole							
11.0									
16.0									



Drilled By: Russo Development
Drill Rig Type: Geoprobe
Drill Method: Direct Push

Drill Date(s): 12/9/09

Hole Size: 2-inch
Stick-up: 3.5
Datum:

Sheet: 1 of 1

Project No: 0123-005-102

Borehole Number: SB-10/MW-1

Project: Remedial Investigation

A.K.A.:

Client: Delta-Sonic Car Wash Systems, Inc.

Logged By: PWW

Site Location: 348 Langner Road Site

Checked By: BCH

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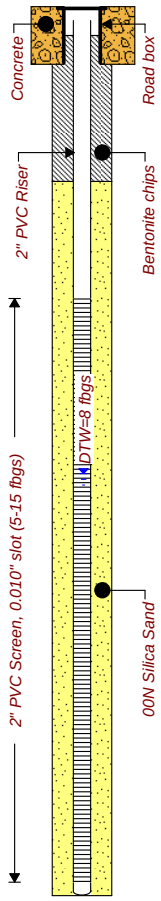
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	496.5 / 0.0	Ground Surface							
	495.5 / 1.0	***Asphalt and Road Base*** Black/grey, moist, mostly non-plastic fines with fine to coarse sand, loose when disturbed							
		Sandy Silt Black, moist, mostly non-plastic fines, some coarse sand, dense,low toughness, low dry strength, no odor, no visual impacts	S-1		3.0		0.0		
	493.5 / 3.0	***Lean Clay with Sand*** Brown, moist to wet (8'), mostly medium plasticity fines, little non-plastic fines, little fine to coarse sand, stiff					0.0		
5.0			S-2		4.0		0.0		
							0.0		
			S-3		3.0		0.0	Sampled (8-10')	
10.0							0.0		
	485.5 / 11.0	***Sandy Lean Clay with Gravel (Till)*** Greyish Brown, wet, mostly medium plasticity fines with little fine sand, few subrounded fine gravel, soft, massive					0.0		
			S-4		3.2				
15.0									
	480.5 / 16.0	End of Borehole							
20.0									



Drilled By: TREC Environmental Inc.
Drill Rig Type: 540 UD Truck Mounted Geoprobe Rig
Drill Method: Direct Push with 4' macrocore
Comments: Site datum of 500 fbgs was used
Drill Date(s): 3/19/12, 3/23/12 well installed

Hole Size: 2"
Stick-up: -0.6 fbgs (Flush mount)
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-102

Borehole Number: SB-11

Project: Remedial Investigation

A.K.A.:

Client: Delta-Sonic Car Wash Systems, Inc.

Logged By: PWW

Site Location: 348 Langner Road Site

Checked By: BCH

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SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Asphalt and Road Base*** Black/grey, moist, mostly non-plastic fines with fine to coarse sand, loose when disturbed							
	-1.0 / 1.0	***Sandy Silt with Fill*** Black, moist, mostly non-plastic fines, some coarse sand, pieces of brick, dense, low toughness, low drt strength, no odor, no visual impacts	S-1		1.4		0.0 / 0.0		
	-3.0 / 3.0	***Lean Clay with Sand*** Brown, moist to wet (8'), mostly medium plasticity fines, little non-plastic fines, little fine to coarse sand, stiff, slow dilatency	S-2		4.0		0.0 / 0.0		
5.0			S-3		2.5		0.0 / 0.0	Sampled (8-10')	
10.0	-11.0 / 11.0	***Sandy Lean Clay with Gravel (Till)*** Greyish Brown, wet, mostly medium plasticity fines, little fine sand, few subrounded fine gravel, soft, massive	S-4		2.0		0.0		
15.0	-16.0 / 16.0	End of Borehole							
20.0									

DTW=8 fbgs

Drilled By: TREC Environmental Inc.
Drill Rig Type: 540 UD Truck Mounted Geoprobe Rig
Drill Method: Direct Push with 4' macrocore
Comments:
Drill Date(s): 3/19/12

Hole Size: 2"
Stick-up: NA
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-102

Borehole Number: SB-12/MW-2

Project: Remedial Investigation

A.K.A.:

Client: Delta-Sonic Car Wash Systems, Inc.

Logged By: PWW

Site Location: 348 Langner Road Site

Checked By: BCH

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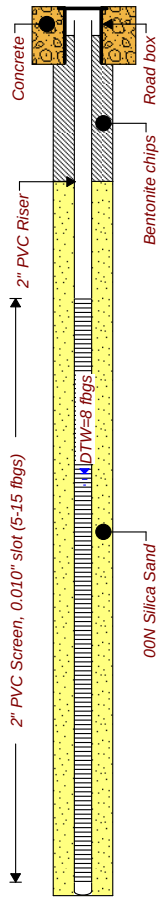
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs (ppm)	Lab Sample	Well Completion Details or Remarks
0.0	497.6 / 0.0	Ground Surface							
	496.6 / 1.0	***Asphalt and Road Base*** Black/grey, moist, mostly non-plastic fines with fine to coarse sand, loose when disturbed							
	494.6 / 3.0	***Sandy Silt with Fill*** Black, moist, mostly non-plastic fines, some coarse sand, pieces of brick and concrete, dense, loose when disturbed, low dry strength, low toughness, no odor, no visual impacts	S-1		1.4		0.7 2.0		
5.0		***Lean Clay with Sand*** Brown, moist to wet (8'), mostly medium plasticity fines, little non-plastic fines, little fine to coarse sand, stiff, slow dilatency	S-2		4.0		0.0 0.0		
10.0	486.6 / 11.0	***Sandy Lean Clay with Gravel (Till)*** Greyish Brown, wet, mostly medium plasticity fines, little fine sand, few subrounded to rounded fine gravel, soft, massive	S-3		2.5		0.0 0.0	Sampled (8-10')	
15.0	481.6 / 16.0	End of Borehole	S-4		2.0		0.0		
20.0									



Drilled By: TREC Environmental Inc.
Drill Rig Type: 540 UD Truck Mounted Geoprobe Rig
Drill Method: Direct Push with 4' macrocore
Comments: Site datum of 500 fbgs used
Drill Date(s): 3/19/12, 3/22/12 well installed

Hole Size: 2"
Stick-up: -.035 fbgs (Flush mount)
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-102

Borehole Number: SB-13

Project: Remedial Investigation

A.K.A.:

Client: Delta-Sonic Car Wash Systems, Inc.

Logged By: PWW

Site Location: 348 Langner Road Site

Checked By: BCH

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SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Asphalt and Road Base*** Black/grey, moist, mostly non-plastic fines with fine to coarse sand, loose when disturbed					0.7		
	-1.0 1.0	***Sandy Silt with Fill*** Black, moist, mostly non-plastic fines, some coarse sand, pieces of brick and concrete, dense, loose when disturbed no odor, no visual impacts	S-1		1.4		2.0	Sampled (0-3')	
	-3.0 3.0	***Lean Clay with Sand*** Brown, moist, mostly medium plasticity fines, little fine to coarse sand, stiff, refusal at 7' appears to be asphalt					0.0		
5.0			S-2		2.9		0.0		
	-7.0 7.0	End of Borehole					0.0		
10.0							0.0		
							0.0		
15.0									
20.0									

Drilled By: TREC Environmental Inc.
Drill Rig Type: 540 UD Truck Mounted Geoprobe Rig
Drill Method: Direct Push with 4' macrocore
Comments:
Drill Date(s): 3/19/12

Hole Size: 2"
Stick-up: NA
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-102

Borehole Number: SB-14

Project: RI

A.K.A.:

Client: Delta-Sonic Car Wash Systems, Inc.

Logged By: PWW

Site Location: 348 Langner Rd.

Checked By: BCH

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Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Asphalt and Road Base*** Black/grey, moist, mostly non-plastic fines with fine to coarse sand, loose when disturbed					0.7		
	-1.0 1.0	***Lean Clay with Sand*** Brown, moist to wet (10'), mostly medium plasticity fines, little fine to coarse sand, stiff, slow dilatency	S-1		3.2		0.0		
5.0			S-2		4.0		0.0		
							0.0		
			S-3		4.0		0.0	Sampled (10-12')	
	-11.0 11.0	***Sandy Lean Clay with Gravel (Till)*** Greyish brown, wet, mostly medium plasticity fines, little fine sand, few subrounded to rounded fine gravel, soft, massive					0.0		
15.0			S-4		2.0				
	-16.0 16.0	End of Borehole							
20.0									DTW=10 fbgs

Drilled By: TREC Environmental Inc.
Drill Rig Type: 540 UD Truck Mounted Geoprobe Rig
Drill Method: Direct Push with 4' macrocore
Comments:
Drill Date(s): 3/19/12

Hole Size: 2"
Stick-up: NA
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-102

Borehole Number: SB-15/MW-3

Project: Remedial Investigation

A.K.A.:

Client: Delta-Sonic Car Wash Systems, Inc.

Logged By: PWW

Site Location: 348 Langner Road Site

Checked By: BCH

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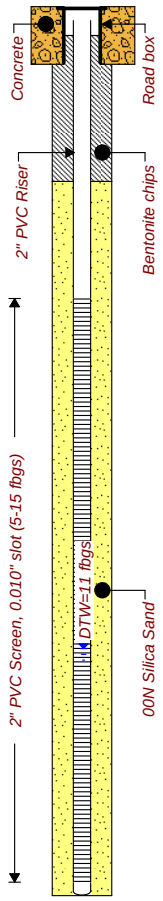
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs (ppm)	Lab Sample	Well Completion Details or Remarks
0.0	496.3 / 0.0	Ground Surface							
	495.3 / 1.0	***Asphalt and Road Base*** Black/grey non-plastic fines, with fine to coarse sand, loose when disturbed							
		Lean Clay with Sand (Fill) greenish brown, moist, mostly medium plasticity fines, little fine to coarse sand, pieces of brick and slag, slight petroleum like odor	S-1		3.2		23.0, 28.0	Sampled (2-4')	
5.0	491.3 / 5.0	***Lean Clay with Sand*** Brown, moist to wet (11'), mostly medium plasticity fines, little fine to coarse sand, stiff, slow dilatency	S-2		4.0		2.0, 0.0		
10.0	485.3 / 11.0	***Sandy Lean Clay with Gravel (Till)*** Greyish Brown, wet, mostly medium plasticity fines, little fine sand, few subrounded to rounded fine gravel, massive	S-3		4.0		0.0		
			S-4		2.0		0.0, 0.0		
15.0	480.3 / 16.0	End of Borehole							
20.0									



Drilled By: TREC Environmental Inc.
Drill Rig Type: 540 UD Truck Mounted Geoprobe Rig
Drill Method: Direct Push with 4' macrocore
Comments: Site datum of 500 fbgs used
Drill Date(s): 3/19/12, 3/22/12 well installed

Hole Size: 2"
Stick-up: -.26 fbgs (Flush mount)
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-102

Borehole Number: SB-16

Project: Remedial Investigation

A.K.A.:

Client: Delta-Sonic Car Wash Systems, Inc.

Logged By: PWW

Site Location: 348 Langner Road Site

Checked By: BCH

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2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
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SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Asphalt and Road Base*** Black/grey, moist, mostly non-plastic fines with fine to coarse sand, loose when disturbed					0.0	Sampled (0-2')	
	-1.0 1.0	***Sandy Silt with Fill*** Black, moist, mostly non-plastic fines, some coarse sand, dense,low dry strength, low dry strength, pieces of brick, concrete and slag	S-1		3.2		0.0		
	-3.0 3.0	***Lean Clay with Sand*** Brown, moist to wet (11'), mostly medium plasticity fines, little fine to coarse sand, stiff, slow dilatency							
5.0			S-2		4.0		0.0		
							0.0		
							0.0		
10.0			S-3		4.0		0.0		
	-11.0 11.0	***Sandy Lean Clay with Gravel (Till)*** Greyish Brown, wet, mostly medium plasticity fines, little fine sand, few subrounded to rounded fine gravel, soft, massive					0.0		
			S-4		2.6		0.0		
15.0							0.0		
	-16.0 16.0	End of Borehole							
20.0									▼ DTW=11 fbgs

Drilled By: TREC Environmental Inc.
Drill Rig Type: 540 UD Truck Mounted Geoprobe Rig
Drill Method: Direct Push with 4' macrocore
Comments:
Drill Date(s): 3/19/12

Hole Size: 2"
Stick-up: NA
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-102

Borehole Number: SB-17/MW-4

Project: Remedial Investigation

A.K.A.:

Client: Delta-Sonic Car Wash Systems, Inc.

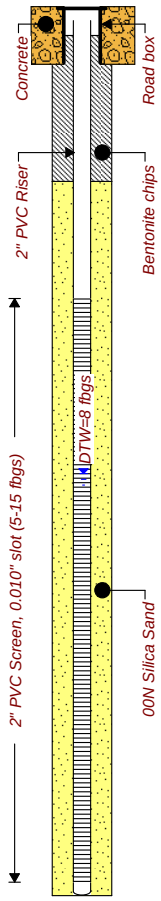
Logged By: PWW

Site Location: 348 Langner Road Site

Checked By: BCH

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	495.8 / 0.0	Ground Surface							
	494.8 / 1.0	***Topsoil*** Grass and topsoil							
		Lean Clay with Sand Brown, moist to wet (8'), mostly medium plasticity fines, little fine to coarse sand, stiff	S-1		3.5		0.0		
							0.0		
5.0			S-2		4.0		0.0		
							0.0		
			S-3		4.0		0.0	Sampled (8-10')	
10.0							0.0		
	484.8 / 11.0	***Sandy Lean Clay with Gravel (Till)*** Greyish Brown, wet, mostly medium plasticity fines, little fine sand, few subrounded to rounded fine gravel, soft, massive	S-4		2.6		0.0		
15.0							0.0		
	479.8 / 16.0	End of Borehole							
20.0									



Drilled By: TREC Environmental Inc.
Drill Rig Type: 540 UD Truck Mounted Geoprobe Rig
Drill Method: Direct Push with 4' macrocore
Comments: Site datum of 500 fbgs used
Drill Date(s): 3/19/12, 3/22/12 well installed

Hole Size: 2"
Stick-up: -.45 fbgs (Flush mount)
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-102

Borehole Number: SB-18

Project: Remedial Investigation

A.K.A.:

Client: Delta-Sonic Car Wash Systems, Inc.

Logged By: PWW

Site Location: 348 Langner Road Site

Checked By: BCH

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 / 12.5 / 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Asphalt and Road base*** Black/grey, moist, mostly non-plastic fines with fine to coarse sand, loose when disturbed					0.0		
	-2.0 / 2.0	***Lean Clay with Sand*** Brown, moist to wet (5'), mostly medium plasticity fines, little fine to coarse sand, stiff, slow dilatency	S-1		23.5		0.0		
5.0			S-2		4.0		0.0	Sampled (5-7')	
							0.0		
			S-3		4.0		0.0		
10.0							0.0		
	-11.0 / 11.0	***Sandy Lean Clay with Gravel (Till)*** Greyish Brown, wet, mostly medium plasticity fines, little fine sand, few subrounded to rounded fine gravel, soft, massive	S-4		3.26		0.0		
15.0							0.0		
	-16.0 / 16.0	End of Borehole							
20.0									

DTW=5 fbgs

Drilled By: TREC Environmental Inc.
Drill Rig Type: 540 UD Truck Mounted Geoprobe Rig
Drill Method: Direct Push with 4' macrocore
Comments:
Drill Date(s): 3/19/12

Hole Size: 2"
Stick-up: NA
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-102

Borehole Number: SB-19/MW-5

Project: Remedial Investigation

A.K.A.:

Client: Delta-Sonic Car Wash Systems, Inc.

Logged By: PWW

Site Location: 348 Langner Road Site

Checked By: BCH

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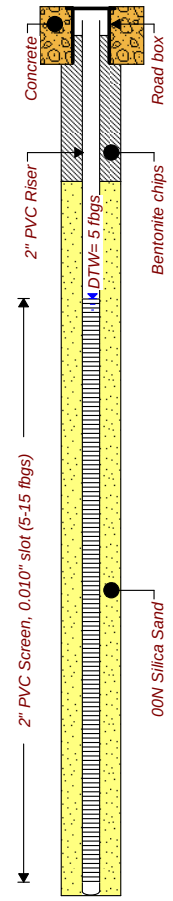
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 / 12.5 / 25)	Lab Sample	Well Completion Details or Remarks
0.0	496.4 / 0.0	Ground Surface							
		Asphalt and Road Base Black, moist, mostly non-plastic fines, some coarse sand					0.0		
	494.4 / 2.0	***Lean Clay with Sand*** Brown, moist to wet (5'), mostly medium plasticity fines, little fine to coarse sand, stiff, slow dilatency	S-1		23.5		0.0		
5.0			S-2		4.0		0.0	Sampled (5-7')	
							0.0		
			S-3		4.0		0.0		
10.0							0.0		
	485.4 / 11.0	***Sandy Lean Clay with Gravel (Till)*** Greyish Brown, wet, mostly medium plasticity fines, little fine sand, few subrounded to rounded fine gravel, soft, massive	S-4		3.26		0.0		
15.0							0.0		
	480.4 / 16.0	End of Borehole							
20.0									



Drilled By: TREC Environmental Inc.
Drill Rig Type: 540 UD Truck Mounted Geoprobe Rig
Drill Method: Direct Push with 4' macrocore
Comments: Site datum of 500 fbgs used
Drill Date(s): 3/19/12, 3/22/12 well installed

Hole Size: 2"
Stick-up: -.81 fbgs (Flush mount)
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-102

Borehole Number: SB-20

Project: Remedial Investigation

A.K.A.:

Client: Delta-Sonic Car Wash Systems, Inc.

Logged By: PWW

Site Location: 348 Langner Road Site

Checked By: BCH

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Buffalo, NY 14218
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SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 / 12.5 / 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Asphalt***					0.0		
	-1.0								
	1.0	***Lean Clay with Sand*** Brown, moist to wet (5'), mostly medium plasticity fines, little fine to coarse sand, stiff, slow dilatency	S-1		2.8		0.0		
5.0			S-2		4.0		0.0	Sampled (5-7')	
							0.0		
10.0			S-3		4.0		0.0		
	-11.0						0.0		
	11.0	***Sandy Lean Clay with Gravel (Till)*** Greyish Brown, wet, mostly medium plasticity fines, little fine sand, few subrounded to rounded fine gravel, soft, massive	S-4		3.26		0.0		
15.0							0.0		
	-16.0								
	16.0	End of Borehole							
20.0									

DTW = 5 fbgs

Drilled By: TREC Environmental Inc.
Drill Rig Type: 540 UD Truck Mounted Geoprobe Rig
Drill Method: Direct Push with 4' macrocore
Comments:
Drill Date(s): 3/19/12

Hole Size: 2"
Stick-up: NA
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-102

Borehole Number: SB-21

Project: Remedial Investigation

A.K.A.:

Client: Delta-Sonic Car Wash Systems, Inc.

Logged By: PWW

Site Location: 348 Langner Road Site

Checked By: BCH

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Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 / 12.5 / 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Asphalt***							
	-1.0								
	1.0	***Lean Clay with Sand*** Brown, moist to wet (7'), mostly medium plasticity fines,, little fine to coarse sand, stiff, slow dilatency	S-1		2.9		0.4		
							0.0		
5.0			S-2		4.0		0.0	Sampled (5-7')	
							0.0		
							0.0		
10.0			S-3		2.6		0.0		
	-11.0								
	11.0	***Sandy Lean Clay with Gravel (Till)*** Greyish Brown, wet, mostly medium plasticity fines, little fine sand, few subrounded to rounded fine gravel, soft, massive					0.0		
			S-4		2.4		0.0		
15.0									
	-16.0								
	16.0	End of Borehole							
20.0									

DTW = 7 fbgs

Drilled By: TREC Environmental Inc.
Drill Rig Type: 540 UD Truck Mounted Geoprobe Rig
Drill Method: Direct Push with 4' macrocore
Comments:
Drill Date(s): 3/20/12

Hole Size: 2"
Stick-up: NA
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-102

Borehole Number: SB-22/MW-6

Project: Remedial Investigation

A.K.A.:

Client: Delta-Sonic Car Wash Systems, Inc.

Logged By: PWW

Site Location: 348 Langner Road Site

Checked By: BCH

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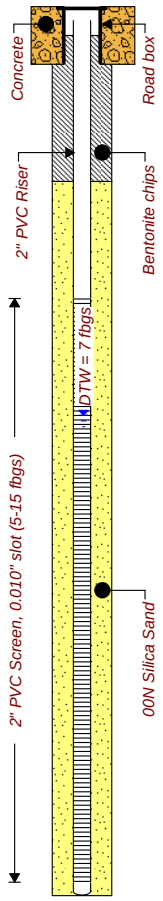
(716) 856-0635

Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm	Lab Sample	Well Completion Details or Remarks
0.0	497.1 / 0.0	Ground Surface					0 – 12.5 – 25		
		Asphalt							
	496.1 / 1.0	***Lean Clay with Sand*** Brown, moist to wet (7'), mostly medium plasticity fines, little fine to coarse sand, stiff, slow dilatency	S-1		1.9		0.1		
							0.1		
5.0			S-2		3.6		0.1	Sampled (5-7')	
							0.0		
10.0			S-3		2.8		0.0		
	486.1 / 11.0	***Sandy Lean Clay with Gravel (Till)*** Greyish Brown, wet, mostly medium plasticity fines, little fine sand, few subrounded to rounded fine gravel, soft, massive					0.0		
			S-4		2.6		0.0		
15.0							0.0		
	481.1 / 16.0	End of Borehole							
20.0									



Drilled By: TREC Environmental Inc.
Drill Rig Type: 540 UD Truck Mounted Geoprobe Rig
Drill Method: Direct Push with 4' macrocore
Comments: Site datum of 500 fbgs used
Drill Date(s): 3/20/12, 3/21/12 well install

Hole Size: 2"
Stick-up: -.27 fbgs (Flush mount)
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-102

Borehole Number: SB-23

Project: Remedial Investigation

A.K.A.:

Client: Delta-Sonic Car Wash Systems, Inc.

Logged By: PWW

Site Location: 348 Langner Road Site

Checked By: BCH

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(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 / 250 / 500)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Asphalt***							
	-1.0								
	1.0	***Lean Clay with Sand*** Brown, moist to wet (7'), mostly medium plasticity fines, little fine to coarse sand, stiff, slow dilatency slight petroleum like odor	S-1		2.6		283.0; 53.0	Sampled (1-3')	
5.0			S-2		4.0		57.0; 36.0		DTW = 7 fbgs
10.0			S-3		2.7		5.1; 3.9		
	-11.0								
	11.0	***Sandy Lean Clay with Gravel (Till)*** Greyish Brown, wet, mostly medium plasticity fines,little fine sand, few subrounded to rounded fine gravel, soft, massive	S-4		2.6		9.9; 2.0		
15.0									
	-16.0								
	16.0	End of Borehole							
20.0									

Drilled By: TREC Environmental Inc.
Drill Rig Type: 540 UD Truck Mounted Geoprobe Rig
Drill Method: Direct Push with 4' macrocore
Comments:
Drill Date(s): 3/20/12

Hole Size: 2"
Stick-up: NA
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-102

Borehole Number: SB-24

Project: Remedial Investigation

A.K.A.:

Client: Delta-Sonic Car Wash Systems, Inc.

Logged By: PWW

Site Location: 348 Langner Road Site

Checked By: BCH

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 / 250 / 500)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Asphalt***							
	-1.0								
	1.0	***Lean Clay with Sand*** Brown, moist to wet (7'), mostly medium plasticity fines, little fine to coarse sand, stiff, slow dilatency petroleum like odor	S-1		2.6		283.0, 169.0		
5.0			S-2		4.0		440.0, 23.6	Sampled (4-6')	DTW = 7 fbgs
10.0			S-3		2.7		57.8, 0.9		
	-11.0								
	11.0	***Sandy Lean Clay with Gravel (Till)*** Greyish Brown, wet, mostly medium plasticity fines, little fine sand, few subrounded to rounded fine gravel, soft, massive	S-4		2.6		1.1, 2.0		
15.0									
	-16.0								
	16.0	End of Borehole							
20.0									

Drilled By: TREC Environmental Inc.
Drill Rig Type: 540 UD Truck Mounted Geoprobe Rig
Drill Method: Direct Push with 4' macrocore
Comments:
Drill Date(s): 3/20/12

Hole Size: 2"
Stick-up: NA
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-102

Borehole Number: SB-25

Project: Remedial Investigation

A.K.A.:

Client: Delta-Sonic Car Wash Systems, Inc.

Logged By: PWW

Site Location: 348 Langner Road

Checked By: BCH

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 / 12.5 / 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Asphalt***							
	-1.0								
	1.0	***Lean Clay with Sand*** Brown, moist to wet (7'), mostly medium plasticity fines, little fine to coarse sand, stiff, slow dilatency	S-1		2.6		1.1, 0.3		
5.0			S-2		4.0		0.2, 0.1	Sampled (5-7')	DTW = 7 fbgs
10.0			S-3		2.7		0.0, 0.0		
	-11.0								
	11.0	***Sandy Lean Clay with Gravel (Till)*** Greyish Brown, wet, mostly medium plasticity fines, little fine sand, few subrounded to rounded fine gravel, soft, massive	S-4		2.6		0.0, 0.0		
15.0									
	-16.0								
	16.0	End of Borehole							
20.0									

Drilled By: TREC Environmental Inc.
Drill Rig Type: 540 UD Truck Mounted Geoprobe Rig
Drill Method: Direct Push with 4' macrocore
Comments:
Drill Date(s): 3/20/12

Hole Size: 2"
Stick-up: NA
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-102

Borehole Number: SB-26/MW-7

Project: Remedial Investigation

A.K.A.:

Client: Delta-Sonic Car Wash Systems, Inc.

Logged By: PWW

Site Location: 348 Langner Road Site

Checked By: BCH

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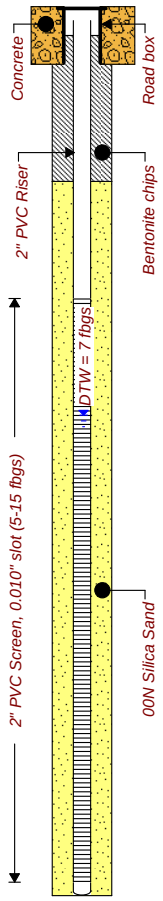
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs (ppm)	Lab Sample	Well Completion Details or Remarks
0.0	496.9 / 0.0	Ground Surface							
		Asphalt							
	495.9 / 1.0	***Lean Clay with Sand*** Brown, moist to wet (7'), mostly medium plasticity fines, little fine to coarse sand, stiff, slow dilatency	S-1		2.3		1.1, 0.3		
5.0			S-2		4.0		0.2, 0.1	Sampled (5-7')	
10.0			S-3		4.9		0.0, 0.0		
	485.9 / 11.0	***Sandy Lean Clay with Gravel (Till)*** Greyish Brown, wet, mostly medium plasticity fines, little fine sand, few subrounded to rounded fine gravel, soft, massive	S-4		2.6		0.0, 0.0		
15.0	480.9 / 16.0	End of Borehole							
20.0									



Drilled By: TREC Environmental Inc.
Drill Rig Type: 540 UD Truck Mounted Geoprobe Rig
Drill Method: Direct Push with 4' macrocore
Comments: Site datum of 500 fbgs used
Drill Date(s): 3/20/12, 3/21/12 well installed

Hole Size: 2"
Stick-up: -.52 fbgs (Flush mount)
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-102

Borehole Number: SB-27

Project: Remedial Investigation

A.K.A.:

Client: Delta-Sonic Car Wash Systems, Inc.

Logged By: PWW

Site Location: 348 Langner Road Site

Checked By: BCH

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2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 / 12.5 / 25)	Lab Sample	Well Completion Details or Remarks
0.0	500.0 / 0.0	Ground Surface							
	0.0	***Asphalt and Road Base*** Black/grey, mostly non-plastic fines with fine to coarse sand, loose when disturbed, slight petroleum like odor	S-1	NA	2.0		14.7; 10.0	Sampled (1-3')	
	497.0 / 3.0	***Lean Clay with Sand*** Brown, moist to wet (7'), mostly medium plasticity fines, little non-plastic fines, little fine to coarse sand, stiff, slow dilatency							
5.0			S-2	NA	4.0		0.2; 0.1		DTW = 7 ftbs
10.0	489.0 / 11.0	***Sandy Lean Clay with Gravel (Till)*** Greyish brown, wet, mostly medium plasticity fines with some fine sand, few subrounded to rounded fine gravel, soft, massive	S-3	NA	4.0		0.0; 0.0		
			S-4	NA	1.9		0.0; 0.0		
15.0	484.0 / 16.0	End of Borehole							
20.0									

Drilled By: TREC Environmental Inc.
Drill Rig Type: 540 UD Truck Mounted Geoprobe Rig
Drill Method: Direct Push with 4' macrocore
Comments:
Drill Date(s): 3/20/12

Hole Size: 2"
Stick-up: NA
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-102

Borehole Number: SB-28

Project: Remedial Investigation

A.K.A.:

Client: Delta-Sonic Car Wash Systems, Inc.

Logged By: PWW

Site Location: 348 Langner Road Site

Checked By: BCH

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Buffalo, NY 14218
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SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Asphalt and Road Base*** Black/grey, moist, non-plastic fines with fine to coarse sand, loose when disturbed							
	-1.0 / 1.0	***Sandy Silt with Fill*** Black, moist, mostly,non-plastic fines, some coarse sand, pieces of brick and concrete, dense, loose when disturbed, low dry strength, low toughness, no odor, no visual impacts	S-1		3.2		0.0		
	-2.0 / 2.0	***Lean Clay with Sand*** Brown, moist to wet (8'), mostly medium plasticity fines, little non-plastic fines, little fine to coarse sand, stiff, slow dilatency					0.0		
5.0			S-2		4.0		0.0	Sampled (5-7')	
							0.0		
			S-3		4.0		0.0		
10.0							0.0		
	-11.0 / 11.0	***Sandy Lean Clay with Gravel (Till)*** Greyish Brown, wet, mostly medium plasticity fines, little fine sand, few subrounded to rounded fine gravel, soft, massive	S-4		1.9		0.0		
15.0									
	-16.0 / 16.0	End of Borehole							
20.0									

DTW = 8 fbgs

Drilled By: TREC Environmental Inc.
Drill Rig Type: 540 UD Truck Mounted Geoprobe Rig
Drill Method: Direct Push with 4' macrocore
Comments:
Drill Date(s): 3/20/12

Hole Size: 2"
Stick-up: NA
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-102

Borehole Number: SB-29

Project: Remedial Investigation

A.K.A.:

Client: Delta-Sonic Car Wash Systems, Inc.

Logged By: PWW

Site Location: 348 Langner Road Site

Checked By: BCH

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Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm (0 / 12.5 / 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Asphalt and Road Base*** Black/grey, moist, non-plastic fines with fine to coarse sand, loose when disturbed							
	-1.0 / 1.0	***Lean Clay with Sand*** Brown, moist to wet (7'), mostly medium plasticity fines, little non-plastic fines, little fine to coarse sand, stiff, slow dilatency	S-1		2.4		0.0		
							0.0		
5.0			S-2		4.0		0.0	Sampled (5-7')	
							0.0		
			S-3		4.0		0.0		
10.0							0.0		
	-11.0 / 11.0	***Sandy Lean Clay with Gravel (Till)*** Greyish Brown, wet, mostly medium plasticity fines, little fine sand, few subrounded to rounded fine gravel, soft, massive					0.0		
			S-4		1.7				
15.0									
	-16.0 / 16.0	End of Borehole							
20.0									

DTW = 7 fbgs

Drilled By: TREC Environmental Inc.
Drill Rig Type: 6620DT Track Mounted Geoprobe Rig
Drill Method: Direct Push with 4' macrocore
Comments:
Drill Date(s): 3/21/12

Hole Size: 2"
Stick-up: NA
Datum: Mean Sea Level

Sheet: 1 of 1

Project No: 0123-005-102

Borehole Number: SB-30/MW-9

Project: Remedial Investigation

A.K.A.:

Client: Delta-Sonic Car Wash Systems, Inc.

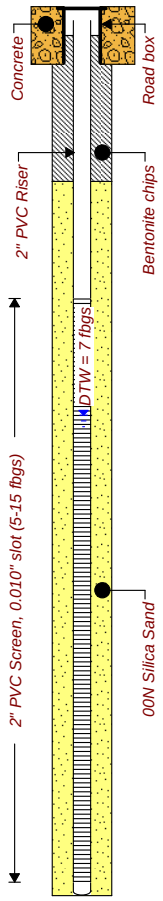
Logged By: PWW

Site Location: 348 Langner Road Site

Checked By: BCH

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm	Lab Sample	Well Completion Details or Remarks
0.0	496.4	Ground Surface					0 12.5 25		
	0.0 / 495.8	***Grass and Topsoil***							
	0.6	***Lean Clay with Sand*** Brown, moist to wet (7'), mostly medium plasticity fines, little non-plastic fines, little fine to coarse sand, stiff, slow dilatency	S-1		1.9		0.0 0.0		
5.0			S-2		4.0		0.0 0.0	Sampled (5-7')	
10.0	485.4 / 11.0	***Sandy Lean Clay with Gravel (Till)*** Greyish Brown, wet, mostly medium plasticity fines, little fine sand, few subrounded to rounded fine gravel, soft, massive	S-3		3.0		0.0 0.0		
15.0			S-4		1.7		0.0		
	480.4 / 16.0	End of Borehole							
20.0									



Drilled By: TREC Environmental Inc.
Drill Rig Type: 6620DT Track Mounted Geoprobe Rig
Drill Method: Direct Push with 4' macrocore
Comments: Site datum of 500 fbgs used
Drill Date(s): 3/21/12

Hole Size: 2"
Stick-up: -.38 fbgs (Flush mount)
Datum: Mean Sea Level

Sheet: 1 of 1

APPENDIX C

LABORATORY ANALYTICAL DATA

(PROVIDED ELECTRONICALLY ON ENCLOSED CD)

H2M labs
575 Broad Hollow Melville, NY 11747
TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Lab No. : **1203849-001**

ClientSample ID. : **12:1226-03**

Sample Information...
Type : Solid

Origin:

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, New York 14608
Attn To : Jane Daloia

Collected :3/19/2012 12:00:00 PM
Received :3/23/2012 10:16:00 AM
Collected By CLIENT

SB-12(8-10)

Parameter(s)	Results	Qualifier	D.F.	Units		Method Number	Analyzed
2,4,5-T	< 6.4		1	µg/Kg-dry		SW8151	03/27/2012 6:14 PM
2,4,5-T	< 6.4		1	µg/Kg-dry		SW8151	03/27/2012 6:14 PM
2,4,5-TP (Silvex)	< 6.4		1	µg/Kg-dry		SW8151	03/27/2012 6:14 PM
2,4,5-TP (Silvex)	< 6.4		1	µg/Kg-dry		SW8151	03/27/2012 6:14 PM
2,4-D	< 13		1	µg/Kg-dry		SW8151	03/27/2012 6:14 PM
2,4-D	< 13		1	µg/Kg-dry		SW8151	03/27/2012 6:14 PM
Dicamba	< 3.9		1	µg/Kg-dry		SW8151	03/27/2012 6:14 PM
Dicamba	< 3.9		1	µg/Kg-dry		SW8151	03/27/2012 6:14 PM
Surr: DCAA	36.7		1	%REC	29-136	SW8151	03/27/2012 6:14 PM
Surr: DCAA	38.1		1	%REC	29-136	SW8151	03/27/2012 6:14 PM
Cyanide	< 0.64		1	mg/Kg-dry		SW9014	03/27/2012 4:14 PM
Percent Moisture	22.5		1	wt%		D2216	03/26/2012 10:30 AM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Date Reported :

H2M labs
575 Broad Hollow Melville, NY 11747
TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Lab No. : 1203849-002

ClientSample ID. :12:1226-04

Sample Information...
Type : Solid

Origin:

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, New York 14608
Attn To : Jane Daloia

Collected :3/19/2012 12:20:00 PM
Received :3/23/2012 10:16:00 AM
Collected By CLIENT

SB-13(0-3)

Parameter(s)	Results	Qualifier	D.F.	Units		Method Number	Analyzed
2,4,5-T	< 5.6		1	µg/Kg-dry		SW8151	03/27/2012 6:30 PM
2,4,5-T	< 5.6		1	µg/Kg-dry		SW8151	03/27/2012 6:30 PM
2,4,5-TP (Silvex)	< 5.6		1	µg/Kg-dry		SW8151	03/27/2012 6:30 PM
2,4,5-TP (Silvex)	< 5.6		1	µg/Kg-dry		SW8151	03/27/2012 6:30 PM
2,4-D	< 11		1	µg/Kg-dry		SW8151	03/27/2012 6:30 PM
2,4-D	< 11		1	µg/Kg-dry		SW8151	03/27/2012 6:30 PM
Dicamba	< 3.4		1	µg/Kg-dry		SW8151	03/27/2012 6:30 PM
Dicamba	< 3.4		1	µg/Kg-dry		SW8151	03/27/2012 6:30 PM
Surr: DCAA	69.1		1	%REC	29-136	SW8151	03/27/2012 6:30 PM
Surr: DCAA	71.2		1	%REC	29-136	SW8151	03/27/2012 6:30 PM
Cyanide	< 0.56		1	mg/Kg-dry		SW9014	03/27/2012 4:15 PM
Percent Moisture	11.1		1	wt%		D2216	03/26/2012 10:31 AM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Date Reported :

H 2 M labs
575 Broad Hollow Melville, NY 11747
TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Lab No. : 1203849-003

ClientSample ID. : 12:1226-14

Sample Information...
Type : Solid

Origin:

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, New York 14608
Attn To : Jane Daloia

Collected :3/20/2012 9:23:00 AM
Received :3/23/2012 10:16:00 AM
Collected By CLIENT

SB-23(1-3)

Parameter(s)	Results	Qualifier	D.F.	Units		Method Number	Analyzed
2,4,5-T	< 6.2		1	µg/Kg-dry		SW8151	03/27/2012 6:46 PM
2,4,5-T	< 6.2		1	µg/Kg-dry		SW8151	03/27/2012 6:46 PM
2,4,5-TP (Silvex)	< 6.2		1	µg/Kg-dry		SW8151	03/27/2012 6:46 PM
2,4,5-TP (Silvex)	< 6.2		1	µg/Kg-dry		SW8151	03/27/2012 6:46 PM
2,4-D	< 12		1	µg/Kg-dry		SW8151	03/27/2012 6:46 PM
2,4-D	< 12		1	µg/Kg-dry		SW8151	03/27/2012 6:46 PM
Dicamba	< 3.7		1	µg/Kg-dry		SW8151	03/27/2012 6:46 PM
Dicamba	< 3.7		1	µg/Kg-dry		SW8151	03/27/2012 6:46 PM
Surr: DCAA	70.8		1	%REC	29-136	SW8151	03/27/2012 6:46 PM
Surr: DCAA	72.8		1	%REC	29-136	SW8151	03/27/2012 6:46 PM
Cyanide	< 0.62		1	mg/Kg-dry		SW9014	03/27/2012 4:18 PM
Percent Moisture	19.3		1	wt%		D2216	03/26/2012 10:32 AM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Date Reported :

H 2 M labs
575 Broad Hollow Melville, NY 11747
TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Lab No. : 1203849-004

ClientSample ID. : 12:1226-15

Sample Information...
Type : Solid

Origin:

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, New York 14608
Attn To : Jane Daloia

Collected : 3/20/2012 10:20:00 AM
Received : 3/23/2012 10:16:00 AM
Collected By CLIENT

SB-24(4-6)

Parameter(s)	Results	Qualifier	D.F.	Units		Method Number	Analyzed
2,4,5-T	< 6.4		1	µg/Kg-dry		SW8151	03/27/2012 7:02 PM
2,4,5-T	< 6.4		1	µg/Kg-dry		SW8151	03/27/2012 7:02 PM
2,4,5-TP (Silvex)	< 6.4		1	µg/Kg-dry		SW8151	03/27/2012 7:02 PM
2,4,5-TP (Silvex)	< 6.4		1	µg/Kg-dry		SW8151	03/27/2012 7:02 PM
2,4-D	< 13		1	µg/Kg-dry		SW8151	03/27/2012 7:02 PM
2,4-D	< 13		1	µg/Kg-dry		SW8151	03/27/2012 7:02 PM
Dicamba	< 3.9		1	µg/Kg-dry		SW8151	03/27/2012 7:02 PM
Dicamba	< 3.9		1	µg/Kg-dry		SW8151	03/27/2012 7:02 PM
Surr: DCAA	83.1		1	%REC	29-136	SW8151	03/27/2012 7:02 PM
Surr: DCAA	84.8		1	%REC	29-136	SW8151	03/27/2012 7:02 PM
Cyanide	< 0.64		1	mg/Kg-dry		SW9014	03/27/2012 4:19 PM
Percent Moisture	22.1		1	wt%		D2216	03/26/2012 10:33 AM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Date Reported :

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN SOLIDS

Client: Turnkey Environmental

Client Job Site: 348 Langer Road Site

Client Job No.: 0123-005-102

Field Location: SB12 (8-10)
Field ID No.: N/A

Lab Project No.: 12:1226
Lab Sample No.: 12:1226-03

Sample Type: Soil

Date Sampled: 03/19/2012
Date Received: 03/22/2012

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Aluminum	03/26/2012	SW846 3050/6010	15300
Antimony	03/26/2012	SW846 3050/6010	< 7.10
Arsenic	03/26/2012	SW846 3050/6010	12.3
Barium	03/26/2012	SW846 3050/6010	90.9
Beryllium	03/26/2012	SW846 3050/6010	0.807
Cadmium	03/26/2012	SW846 3050/6010	0.879
Calcium	03/26/2012	SW846 3050/6010	33100
Chromium	03/26/2012	SW846 3050/6010	21.9
Cobalt	03/26/2012	SW846 3050/6010	11.6
Copper	03/28/2012	SW846 3050/6010	30.9
Iron	03/26/2012	SW846 3050/6010	30100
Lead	03/26/2012	SW846 3050/6010	14.0
Magnesium	03/26/2012	SW846 3050/6010	14900
Manganese	03/26/2012	SW846 3050/6010	480
Mercury	03/27/2012	SW846 7471	0.0134
Nickel	03/26/2012	SW846 3050/6010	32.9
Potassium	03/26/2012	SW846 3050/6010	2180
Selenium	03/26/2012	SW846 3050/6010	< 1.19
Silver	03/26/2012	SW846 3050/6010	< 1.19
Sodium	03/26/2012	SW846 3050/6010	739
Thallium	03/26/2012	SW846 3050/6010	< 2.96
Vanadium	03/26/2012	SW846 3050/6010	31.9
Zinc	03/26/2012	SW846 3050/6010	68.9

ELAP ID No.:10958

Comments:

Approved By: _____
Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN SOLIDS

Client: Turnkey Environmental
Client Job Site: 348 Langer Road Site
Client Job No.: 0123-005-102
Field Location: SB-13 (0-3)
Field ID No.: N/A

Lab Project No.: 12:1226
Lab Sample No.: 12:1226-04
Sample Type: Soil
Date Sampled: 03/19/2012
Date Received: 03/22/2012

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)	
Aluminum	03/26/2012	SW846 3050/6010	11700	D
Antimony	03/26/2012	SW846 3050/6010	< 5.96	M
Arsenic	03/26/2012	SW846 3050/6010	4.09	DM
Barium	03/26/2012	SW846 3050/6010	91.0	DM
Beryllium	03/26/2012	SW846 3050/6010	1.69	DM
Cadmium	03/26/2012	SW846 3050/6010	0.438	JM
Calcium	03/28/2012	SW846 3050/6010	161000	D
Chromium	03/26/2012	SW846 3050/6010	14.3	DM
Cobalt	03/26/2012	SW846 3050/6010	< 4.97	M
Copper	03/28/2012	SW846 3050/6010	14.9	M
Iron	03/26/2012	SW846 3050/6010	10500	
Lead	03/26/2012	SW846 3050/6010	36.5	DM
Magnesium	03/26/2012	SW846 3050/6010	22300	D
Manganese	03/26/2012	SW846 3050/6010	823	DM
Mercury	03/27/2012	SW846 7471	< 0.0087	M
Nickel	03/26/2012	SW846 3050/6010	8.73	DM
Potassium	03/26/2012	SW846 3050/6010	1190	
Selenium	03/26/2012	SW846 3050/6010	< 0.993	M
Silver	03/26/2012	SW846 3050/6010	< 0.993	
Sodium	03/26/2012	SW846 3050/6010	488	
Thallium	03/26/2012	SW846 3050/6010	< 2.48	M
Vanadium	03/26/2012	SW846 3050/6010	12.7	DM
Zinc	03/26/2012	SW846 3050/6010	63.4	DM

ELAP ID No.:10958

Comments:

Approved By: _____
Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN SOLIDS

Client: Turnkey Environmental

Client Job Site: 348 Langer Road Site

Client Job No.: 0123-005-102

Field Location: SB-23 (1-3')
Field ID No.: N/A

Lab Project No.: 12:1226
Lab Sample No.: 12:1226-14

Sample Type: Soil

Date Sampled: 03/20/2012
Date Received: 03/22/2012

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Aluminum	03/26/2012	SW846 3050/6010	17000
Antimony	03/26/2012	SW846 3050/6010	< 6.93
Arsenic	03/26/2012	SW846 3050/6010	9.81
Barium	03/26/2012	SW846 3050/6010	98.8
Beryllium	03/26/2012	SW846 3050/6010	0.902
Cadmium	03/26/2012	SW846 3050/6010	1.18
Calcium	03/26/2012	SW846 3050/6010	2610
Chromium	03/26/2012	SW846 3050/6010	25.2
Cobalt	03/26/2012	SW846 3050/6010	10.5
Copper	03/28/2012	SW846 3050/6010	34.7
Iron	03/26/2012	SW846 3050/6010	34000
Lead	03/26/2012	SW846 3050/6010	16.0
Magnesium	03/26/2012	SW846 3050/6010	4500
Manganese	03/26/2012	SW846 3050/6010	517
Mercury	03/27/2012	SW846 7471	0.0405
Nickel	03/26/2012	SW846 3050/6010	34.2
Potassium	03/26/2012	SW846 3050/6010	2000
Selenium	03/26/2012	SW846 3050/6010	0.824 J
Silver	03/26/2012	SW846 3050/6010	< 1.16
Sodium	03/26/2012	SW846 3050/6010	909
Thallium	03/26/2012	SW846 3050/6010	< 2.89
Vanadium	03/26/2012	SW846 3050/6010	32.4
Zinc	03/26/2012	SW846 3050/6010	84.6

ELAP ID No.:10958

Comments:

Approved By: _____
Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN SOLIDS

Client: Turnkey Environmental

Client Job Site: 348 Langer Road Site

Client Job No.: 0123-005-102

Field Location: SB-24 (4-6')
Field ID No.: N/A

Lab Project No.: 12:1226
Lab Sample No.: 12:1226-15

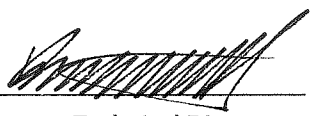
Sample Type: Soil

Date Sampled: 03/20/2012
Date Received: 03/22/2012

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Aluminum	03/26/2012	SW846 3050/6010	16700
Antimony	03/26/2012	SW846 3050/6010	< 7.36
Arsenic	03/26/2012	SW846 3050/6010	11.4
Barium	03/26/2012	SW846 3050/6010	99.3
Beryllium	03/26/2012	SW846 3050/6010	0.804
Cadmium	03/26/2012	SW846 3050/6010	0.936
Calcium	03/26/2012	SW846 3050/6010	37700
Chromium	03/26/2012	SW846 3050/6010	22.2
Cobalt	03/26/2012	SW846 3050/6010	12.1
Copper	03/28/2012	SW846 3050/6010	27.2
Iron	03/26/2012	SW846 3050/6010	30500
Lead	03/26/2012	SW846 3050/6010	14.5
Magnesium	03/26/2012	SW846 3050/6010	12500
Manganese	03/26/2012	SW846 3050/6010	510
Mercury	03/27/2012	SW846 7471	0.0218
Nickel	03/26/2012	SW846 3050/6010	33.3
Potassium	03/26/2012	SW846 3050/6010	2760
Selenium	03/26/2012	SW846 3050/6010	< 1.23
Silver	03/26/2012	SW846 3050/6010	< 1.23
Sodium	03/26/2012	SW846 3050/6010	1030
Thallium	03/26/2012	SW846 3050/6010	< 3.07
Vanadium	03/26/2012	SW846 3050/6010	31.7
Zinc	03/26/2012	SW846 3050/6010	70.8

ELAP ID No.:10958

Comments:

Approved By: 

Bruce Hoogesteger, Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site:	348 Langner Road Site	**Lab Project Number:**	12:1226
		Lab Sample Number:	12:1226-03
Client Job Number:	0123-005-102		
Field Location:	SB12 (8-10)	**Date Sampled:**	03/19/2012
Field ID Number:	N/A	**Date Received:**	03/22/2012
Sample Type:	Soil	**Date Analyzed:**	03/28/2012

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.0368
Aroclor 1221	< 0.0368
Aroclor 1232	< 0.0368
Aroclor 1242	< 0.0368
Aroclor 1248	< 0.0368
Aroclor 1254	< 0.0368
Aroclor 1260	< 0.0368

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3550C

Comments: mg / Kg = milligram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site:	348 Langner Road Site	**Lab Project Number:**	12:1226
		Lab Sample Number:	12:1226-04
Client Job Number:	0123-005-102		
Field Location:	SB-13 (0-3)	**Date Sampled:**	03/19/2012
Field ID Number:	N/A	**Date Received:**	03/22/2012
Sample Type:	Soil	**Date Analyzed:**	03/28/2012

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.0318
Aroclor 1221	< 0.0318
Aroclor 1232	< 0.0318
Aroclor 1242	< 0.0318
Aroclor 1248	< 0.0318
Aroclor 1254	< 0.0318
Aroclor 1260	< 0.0318

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3550C

Comments: mg / Kg = milligram per Kilogram
Surrogate outliers indicate probable matrix interference

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site:	348 Langner Road Site	**Lab Project Number:**	12:1226
		Lab Sample Number:	12:1226-14
Client Job Number:	0123-005-102		
Field Location:	SB-23 (1-3)	**Date Sampled:**	03/20/2012
Field ID Number:	N/A	**Date Received:**	03/22/2012
Sample Type:	Soil	**Date Analyzed:**	03/28/2012

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.0330
Aroclor 1221	< 0.0330
Aroclor 1232	< 0.0330
Aroclor 1242	< 0.0330
Aroclor 1248	< 0.0330
Aroclor 1254	< 0.0330
Aroclor 1260	< 0.0330

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3550C

Comments: mg / Kg = milligram per Kilogram
Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger: Technical Director

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PCB Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site:	348 Langner Road Site	**Lab Project Number:**	12:1226
		Lab Sample Number:	12:1226-15
Client Job Number:	0123-005-102		
Field Location:	SB-24 (4-6)	**Date Sampled:**	03/20/2012
Field ID Number:	N/A	**Date Received:**	03/22/2012
Sample Type:	Soil	**Date Analyzed:**	03/28/2012

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.0372
Aroclor 1221	< 0.0372
Aroclor 1232	< 0.0372
Aroclor 1242	< 0.0372
Aroclor 1248	< 0.0372
Aroclor 1254	< 0.0372
Aroclor 1260	< 0.0372

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3550C

Comments: mg / Kg = milligram per Kilogram
Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger: Technical Director

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Pesticide Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site:	348 Langner Road Site	**Lab Project Number:**	12:1226
		Lab Sample Number:	12:1226-03
Client Job Number:	0123-005-102		
Field Location:	SB12 (8-10)	**Date Sampled:**	03/19/2012
Field ID Number:	N/A	**Date Received:**	03/22/2012
Sample Type:	Soil	**Date Analyzed:**	03/28/2012

Pesticide Identification	Results in ug / Kg
Aldrin	< 3.68
alpha-BHC	< 3.68
beta-BHC	< 3.68
delta-BHC	< 3.68
gamma-BHC	< 3.68
gamma-Chlordane	< 3.68
alpha-Chlordane	< 3.68
4,4'-DDD	< 3.68
4,4'-DDE	< 3.68
4,4'-DDT	< 3.68
Dieldrin	< 3.68
Endosulfan I	< 3.68
Endosulfan II	< 3.68
Endosulfan Sulfate	< 3.68
Endrin	< 3.68
Endrin Aldehyde	< 3.68
Endrin Ketone	< 3.68
Heptachlor	< 3.68
Heptachlor Epoxide	< 3.68
Methoxychlor	< 3.68
Toxaphene	< 18.4

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

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Pesticide Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site:	348 Langner Road Site	**Lab Project Number:**	12:1226
		Lab Sample Number:	12:1226-04
Client Job Number:	0123-005-102		
Field Location:	SB-13 (0-3)	**Date Sampled:**	03/19/2012
Field ID Number:	N/A	**Date Received:**	03/22/2012
Sample Type:	Soil	**Date Analyzed:**	03/28/2012

Pesticide Identification	Results in ug / Kg
Aldrin	< 3.18
alpha-BHC	J 2.10
beta-BHC	< 3.18
delta-BHC	< 3.18
gamma-BHC	< 3.18
gamma-Chlordane	< 3.18
alpha-Chlordane	< 3.18
4,4'-DDD	< 3.18
4,4'-DDE	< 3.18
4,4'-DDT	J 2.06
Dieldrin	< 3.18
Endosulfan I	< 3.18
Endosulfan II	< 3.18
Endosulfan Sulfate	C 5.94
Endrin	< 3.18
Endrin Aldehyde	< 3.18
Endrin Ketone	J 2.45
Heptachlor	< 3.18
Heptachlor Epoxide	< 3.18
Methoxychlor	C 30.5
Toxaphene	< 15.9

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3550C

Qualifier: C denotes that the concentration differs by more than 40% between the primary and secondary columns

Comments: ug / Kg = microgram per Kilogram
Surrogate outliers indicate probable matrix interference
Matrix Spike outliers indicate probable matrix interference

Signature: _____
Bruce Hoogesteger: Technical Director

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Pesticide Analysis Report for Soils/Solids/Sludges

Client: **Turnkey Environmental**

Client Job Site:	348 Langner Road Site	**Lab Project Number:**	12:1226
		Lab Sample Number:	12:1226-14
Client Job Number:	0123-005-102		
Field Location:	SB-23 (1-3')	**Date Sampled:**	03/20/2012
Field ID Number:	N/A	**Date Received:**	03/22/2012
Sample Type:	Soil	**Date Analyzed:**	03/28/2012

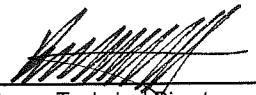
Pesticide Identification	Results in ug / Kg
Aldrin	< 3.30
alpha-BHC	< 3.30
beta-BHC	< 3.30
delta-BHC	< 3.30
gamma-BHC	< 3.30
gamma-Chlordane	< 3.30
alpha-Chlordane	J 2.25
4,4'-DDD	< 3.30
4,4'-DDE	< 3.30
4,4'-DDT	< 3.30
Dieldrin	J 1.87
Endosulfan I	< 3.30
Endosulfan II	< 3.30
Endosulfan Sulfate	< 3.30
Endrin	< 3.30
Endrin Aldehyde	< 3.30
Endrin Ketone	< 3.30
Heptachlor	< 3.30
Heptachlor Epoxide	< 3.30
Methoxychlor	C 9.43
Toxaphene	< 16.5

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3550C

Qualifier: C denotes that the concentration differs by more than 40% between the primary and secondary columns

Comments: ug / Kg = microgram per Kilogram
Surrogate outliers indicate probable matrix interference

Signature: 

Bruce Hoogesteger: Technical Director

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Pesticide Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site:	348 Langner Road Site	**Lab Project Number:**	12:1226
		Lab Sample Number:	12:1226-15
Client Job Number:	0123-005-102		
Field Location:	SB-24 (4-6')	**Date Sampled:**	03/20/2012
Field ID Number:	N/A	**Date Received:**	03/22/2012
Sample Type:	Soil	**Date Analyzed:**	03/28/2012

Pesticide Identification	Results in ug / Kg
Aldrin	< 3.72
alpha-BHC	< 3.72
beta-BHC	< 3.72
delta-BHC	< 3.72
gamma-BHC	< 3.72
gamma-Chlordane	< 3.72
alpha-Chlordane	3.94
4,4'-DDD	< 3.72
4,4'-DDE	< 3.72
4,4'-DDT	< 3.72
Dieldrin	< 3.72
Endosulfan I	< 3.72
Endosulfan II	< 3.72
Endosulfan Sulfate	< 3.72
Endrin	< 3.72
Endrin Aldehyde	< 3.72
Endrin Ketone	< 3.72
Heptachlor	< 3.72
Heptachlor Epoxide	< 3.72
Methoxychlor	C 11.3
Toxaphene	< 18.6

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3550C

Qualifier: C denotes that the concentration differs by more than 40% between the primary and secondary columns

Comments: ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

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Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: SB-10 (8-10)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-01

Date Sampled: 03/19/2012
Date Received: 03/22/2012
Date Analyzed: 03/27/2012

Compound	Results in ug / Kg
Acenaphthene	< 319
Acenaphthylene	< 319
Acetophenone	< 319
Anthracene	< 319
Atrazine	< 319
Benzaldehyde	< 319
Benzo (a) anthracene	< 319
Benzo (a) pyrene	< 319
Benzo (b) fluoranthene	< 319
Benzo (g,h,i) perylene	< 319
Benzo (k) fluoranthene	< 319
Biphenyl	< 319
Bis (2-chloroethyl) ether	< 319
Bis (2-chloroethoxy) methane	< 319
Bis (2-ethylhexyl) phthalate	< 319
Bis (2-chloroisopropyl) ether	< 319
4-Bromophenyl phenyl ether	< 319
Butylbenzylphthalate	< 319
Caprolactam	< 319
Carbazole	< 319
4-Chloroaniline	< 319
4-Chloro-3-methylphenol	< 319
2-Chloronaphthalene	< 319
2-Chlorophenol	< 319
4-Chlorophenyl phenyl ether	< 319
Chrysene	< 319
1,3-Dichlorobenzene	< 319
1,4-Dichlorobenzene	< 319
1,2-Dichlorobenzene	< 319
Dibenz (a,h) anthracene	< 319
Dibenzofuran	< 319
3,3'-Dichlorobenzidine	< 319
2,4-Dichlorophenol	< 319
Diethyl phthalate	< 319
2,4-Dimethylphenol	< 319
Dimethyl phthalate	< 799

Compound	Results in ug / Kg
Di-n-butyl phthalate	< 319
4,6-Dinitro-2-methylphenol	< 799
2,4-Dinitrophenol	< 799
2,4-Dinitrotoluene	< 319
2,6-Dinitrotoluene	< 319
Di-n-octylphthalate	< 319
Fluoranthene	< 319
Fluorene	< 319
Hexachlorobenzene	< 319
Hexachlorobutadiene	< 319
Hexachlorocyclopentadiene	< 319
Hexachloroethane	< 319
Indeno (1,2,3-cd) pyrene	< 319
Isophorone	< 319
2-Methylnapthalene	< 319
2-Methylphenol	< 319
3&4-Methylphenol	< 319
Naphthalene	< 319
2-Nitroaniline	< 799
3-Nitroaniline	< 799
4-Nitroaniline	< 799
Nitrobenzene	< 319
2-Nitrophenol	< 319
4-Nitrophenol	< 799
N-Nitroso-di-n-propylamine	< 319
N-Nitrosodiphenylamine	< 319
Pentachlorophenol	< 799
Phenanthrene	< 319
Phenol	< 319
Pyrene	< 319
1,2,4-Trichlorobenzene	< 319
2,4,5-Trichlorophenol	< 799
2,4,6-Trichlorophenol	< 319
1,2,4,5-Tetrachlorobenzene	< 319
2,3,4,6-Tetrachlorophenol	< 319

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S62026.D
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

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Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: SB-11 (8-10)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-02

Date Sampled: 03/19/2012
Date Received: 03/22/2012
Date Analyzed: 03/27/2012

Compound	Results in ug / Kg
Acenaphthene	< 358
Acenaphthylene	< 358
Acetophenone	< 358
Anthracene	< 358
Atrazine	< 358
Benzaldehyde	< 358
Benzo (a) anthracene	< 358
Benzo (a) pyrene	< 358
Benzo (b) fluoranthene	< 358
Benzo (g,h,i) perylene	< 358
Benzo (k) fluoranthene	< 358
Biphenyl	< 358
Bis (2-chloroethyl) ether	< 358
Bis (2-chloroethoxy) methane	< 358
Bis (2-ethylhexyl) phthalate	< 358
Bis (2-chloroisopropyl) ether	< 358
4-Bromophenyl phenyl ether	< 358
Butylbenzylphthalate	< 358
Caprolactam	< 358
Carbazole	< 358
4-Chloroaniline	< 358
4-Chloro-3-methylphenol	< 358
2-Chloronaphthalene	< 358
2-Chlorophenol	< 358
4-Chlorophenyl phenyl ether	< 358
Chrysene	< 358
1,3-Dichlorobenzene	< 358
1,4-Dichlorobenzene	< 358
1,2-Dichlorobenzene	< 358
Dibenz (a,h) anthracene	< 358
Dibenzofuran	< 358
3,3'-Dichlorobenzidine	< 358
2,4-Dichlorophenol	< 358
Diethyl phthalate	< 358
2,4-Dimethylphenol	< 358
Dimethyl phthalate	< 895

Compound	Results in ug / Kg
Di-n-butyl phthalate	< 358
4,6-Dinitro-2-methylphenol	< 895
2,4-Dinitrophenol	< 895
2,4-Dinitrotoluene	< 358
2,6-Dinitrotoluene	< 358
Di-n-octylphthalate	< 358
Fluoranthene	< 358
Fluorene	< 358
Hexachlorobenzene	< 358
Hexachlorobutadiene	< 358
Hexachlorocyclopentadiene	< 358
Hexachloroethane	< 358
Indeno (1,2,3-cd) pyrene	< 358
Isophorone	< 358
2-Methylnapthalene	< 358
2-Methylphenol	< 358
3&4-Methylphenol	< 358
Naphthalene	< 358
2-Nitroaniline	< 895
3-Nitroaniline	< 895
4-Nitroaniline	< 895
Nitrobenzene	< 358
2-Nitrophenol	< 358
4-Nitrophenol	< 895
N-Nitroso-di-n-propylamine	< 358
N-Nitrosodiphenylamine	< 358
Pentachlorophenol	< 895
Phenanthrene	< 358
Phenol	< 358
Pyrene	< 358
1,2,4-Trichlorobenzene	< 358
2,4,5-Trichlorophenol	< 895
2,4,6-Trichlorophenol	< 358
1,2,4,5-Tetrachlorobenzene	< 358
2,3,4,6-Tetrachlorophenol	< 358

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S62027.D
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

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Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: SB-12 (8-10)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-03

Date Sampled: 03/19/2012
Date Received: 03/22/2012
Date Analyzed: 03/27/2012

Compound	Results in ug / Kg
Acenaphthene	< 368
Acenaphthylene	< 368
Acetophenone	< 368
Anthracene	< 368
Atrazine	< 368
Benzaldehyde	< 368
Benzo (a) anthracene	< 368
Benzo (a) pyrene	< 368
Benzo (b) fluoranthene	< 368
Benzo (g,h,i) perylene	< 368
Benzo (k) fluoranthene	< 368
Biphenyl	< 368
Bis (2-chloroethyl) ether	< 368
Bis (2-chloroethoxy) methane	< 368
Bis (2-ethylhexyl) phthalate	< 368
Bis (2-chloroisopropyl) ether	< 368
4-Bromophenyl phenyl ether	< 368
Butylbenzylphthalate	< 368
Caprolactam	< 368
Carbazole	< 368
4-Chloroaniline	< 368
4-Chloro-3-methylphenol	< 368
2-Chloronaphthalene	< 368
2-Chlorophenol	< 368
4-Chlorophenyl phenyl ether	< 368
Chrysene	< 368
1,3-Dichlorobenzene	< 368
1,4-Dichlorobenzene	< 368
1,2-Dichlorobenzene	< 368
Dibenz (a,h) anthracene	< 368
Dibenzofuran	< 368
3,3'-Dichlorobenzidine	< 368
2,4-Dichlorophenol	< 368
Diethyl phthalate	< 368
2,4-Dimethylphenol	< 368
Dimethyl phthalate	< 919

Compound	Results in ug / Kg
Di-n-butyl phthalate	< 368
4,6-Dinitro-2-methylphenol	< 919
2,4-Dinitrophenol	< 919
2,4-Dinitrotoluene	< 368
2,6-Dinitrotoluene	< 368
Di-n-octylphthalate	< 368
Fluoranthene	< 368
Fluorene	< 368
Hexachlorobenzene	< 368
Hexachlorobutadiene	< 368
Hexachlorocyclopentadiene	< 368
Hexachloroethane	< 368
Indeno (1,2,3-cd) pyrene	< 368
Isophorone	< 368
2-Methylnapthalene	< 368
2-Methylphenol	< 368
3&4-Methylphenol	< 368
Naphthalene	< 368
2-Nitroaniline	< 919
3-Nitroaniline	< 919
4-Nitroaniline	< 919
Nitrobenzene	< 368
2-Nitrophenol	< 368
4-Nitrophenol	< 919
N-Nitroso-di-n-propylamine	< 368
N-Nitrosodiphenylamine	< 368
Pentachlorophenol	< 919
Phenanthrene	< 368
Phenol	< 368
Pyrene	< 368
1,2,4-Trichlorobenzene	< 368
2,4,5-Trichlorophenol	< 919
2,4,6-Trichlorophenol	< 368
1,2,4,5-Tetrachlorobenzene	< 368
2,3,4,6-Tetrachlorophenol	< 368

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S62028.D
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

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Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: SB-13 (0-3)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-04

Date Sampled: 03/19/2012
Date Received: 03/22/2012
Date Analyzed: 03/27/2012

Compound	Results in ug / Kg
Acenaphthene	< 3,240
Acenaphthylene	< 3,240
Acetophenone	< 3,240
Anthracene	< 3,240
Atrazine	< 3,240
Benzaldehyde	< 3,240
Benzo (a) anthracene	< 3,240
Benzo (a) pyrene	< 3,240
Benzo (b) fluoranthene	J 1,870
Benzo (g,h,i) perylene	< 3,240
Benzo (k) fluoranthene	< 3,240
Biphenyl	< 3,240
Bis (2-chloroethyl) ether	< 3,240
Bis (2-chloroethoxy) methane	< 3,240
Bis (2-ethylhexyl) phthalate	< 3,240
Bis (2-chloroisopropyl) ether	< 3,240
4-Bromophenyl phenyl ether	< 3,240
Butylbenzylphthalate	< 3,240
Caprolactam	< 3,240
Carbazole	< 3,240
4-Chloroaniline	< 3,240
4-Chloro-3-methylphenol	< 3,240
2-Chloronaphthalene	< 3,240
2-Chlorophenol	< 3,240
4-Chlorophenyl phenyl ether	< 3,240
Chrysene	< 3,240
1,3-Dichlorobenzene	< 3,240
1,4-Dichlorobenzene	< 3,240
1,2-Dichlorobenzene	< 3,240
Dibenz (a,h) anthracene	< 3,240
Dibenzofuran	< 3,240
3,3'-Dichlorobenzidine	< 3,240
2,4-Dichlorophenol	< 3,240
Diethyl phthalate	< 3,240
2,4-Dimethylphenol	< 3,240
Dimethyl phthalate	< 8,090

Compound	Results in ug / Kg
Di-n-butyl phthalate	< 3,240
4,6-Dinitro-2-methylphenol	< 8,090
2,4-Dinitrophenol	< 8,090
2,4-Dinitrotoluene	< 3,240
2,6-Dinitrotoluene	< 3,240
Di-n-octylphthalate	< 3,240
Fluoranthene	J 2,960
Fluorene	< 3,240
Hexachlorobenzene	< 3,240
Hexachlorobutadiene	< 3,240
Hexachlorocyclopentadiene	< 3,240
Hexachloroethane	< 3,240
Indeno (1,2,3-cd) pyrene	< 3,240
Isophorone	< 3,240
2-Methylnapthalene	< 3,240
2-Methylphenol	< 3,240
3&4-Methylphenol	< 3,240
Naphthalene	< 3,240
2-Nitroaniline	< 8,090
3-Nitroaniline	< 8,090
4-Nitroaniline	< 8,090
Nitrobenzene	< 3,240
2-Nitrophenol	< 3,240
4-Nitrophenol	< 8,090
N-Nitroso-di-n-propylamine	< 3,240
N-Nitrosodiphenylamine	< 3,240
Pentachlorophenol	< 8,090
Phenanthrene	< 3,240
Phenol	< 3,240
Pyrene	J 2,530
1,2,4-Trichlorobenzene	< 3,240
2,4,5-Trichlorophenol	< 8,090
2,4,6-Trichlorophenol	< 3,240
1,2,4,5-Tetrachlorobenzene	< 3,240
2,3,4,6-Tetrachlorophenol	< 3,240

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S62029.D
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

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Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: SB-14 (10-12)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-05

Date Sampled: 03/19/2012
Date Received: 03/22/2012
Date Analyzed: 03/27/2012

Compound	Results in ug / Kg
Acenaphthene	< 336
Acenaphthylene	< 336
Acetophenone	< 336
Anthracene	< 336
Atrazine	< 336
Benzaldehyde	< 336
Benzo (a) anthracene	< 336
Benzo (a) pyrene	< 336
Benzo (b) fluoranthene	< 336
Benzo (g,h,i) perylene	< 336
Benzo (k) fluoranthene	< 336
Biphenyl	< 336
Bis (2-chloroethyl) ether	< 336
Bis (2-chloroethoxy) methane	< 336
Bis (2-ethylhexyl) phthalate	< 336
Bis (2-chloroisopropyl) ether	< 336
4-Bromophenyl phenyl ether	< 336
Butylbenzylphthalate	< 336
Caprolactam	< 336
Carbazole	< 336
4-Chloroaniline	< 336
4-Chloro-3-methylphenol	< 336
2-Chloronaphthalene	< 336
2-Chlorophenol	< 336
4-Chlorophenyl phenyl ether	< 336
Chrysene	< 336
1,3-Dichlorobenzene	< 336
1,4-Dichlorobenzene	< 336
1,2-Dichlorobenzene	< 336
Dibenz (a,h) anthracene	< 336
Dibenzofuran	< 336
3,3'-Dichlorobenzidine	< 336
2,4-Dichlorophenol	< 336
Diethyl phthalate	< 336
2,4-Dimethylphenol	< 336
Dimethyl phthalate	< 839

Compound	Results in ug / Kg
Di-n-butyl phthalate	< 336
4,6-Dinitro-2-methylphenol	< 839
2,4-Dinitrophenol	< 839
2,4-Dinitrotoluene	< 336
2,6-Dinitrotoluene	< 336
Di-n-octylphthalate	< 336
Fluoranthene	< 336
Fluorene	< 336
Hexachlorobenzene	< 336
Hexachlorobutadiene	< 336
Hexachlorocyclopentadiene	< 336
Hexachloroethane	< 336
Indeno (1,2,3-cd) pyrene	< 336
Isophorone	< 336
2-Methylnapthalene	< 336
2-Methylphenol	< 336
3&4-Methylphenol	< 336
Naphthalene	< 336
2-Nitroaniline	< 839
3-Nitroaniline	< 839
4-Nitroaniline	< 839
Nitrobenzene	< 336
2-Nitrophenol	< 336
4-Nitrophenol	< 839
N-Nitroso-di-n-propylamine	< 336
N-Nitrosodiphenylamine	< 336
Pentachlorophenol	< 839
Phenanthrene	< 336
Phenol	< 336
Pyrene	< 336
1,2,4-Trichlorobenzene	< 336
2,4,5-Trichlorophenol	< 839
2,4,6-Trichlorophenol	< 336
1,2,4,5-Tetrachlorobenzene	< 336
2,3,4,6-Tetrachlorophenol	< 336

ELAP Number 10958 | Analytical Method: EPA 8270C | Data File: S62032.D
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: SB-15 (2-4)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-06

Date Sampled: 03/19/2012
Date Received: 03/22/2012
Date Analyzed: 03/27/2012

Compound	Results in ug / Kg
Acenaphthene	J 184
Acenaphthylene	< 357
Acetophenone	< 357
Anthracene	< 357
Atrazine	< 357
Benzaldehyde	< 357
Benzo (a) anthracene	< 357
Benzo (a) pyrene	< 357
Benzo (b) fluoranthene	< 357
Benzo (g,h,i) perylene	< 357
Benzo (k) fluoranthene	< 357
Biphenyl	< 357
Bis (2-chloroethyl) ether	< 357
Bis (2-chloroethoxy) methane	< 357
Bis (2-ethylhexyl) phthalate	< 357
Bis (2-chloroisopropyl) ether	< 357
4-Bromophenyl phenyl ether	< 357
Butylbenzylphthalate	< 357
Caprolactam	< 357
Carbazole	< 357
4-Chloroaniline	< 357
4-Chloro-3-methylphenol	< 357
2-Chloronaphthalene	< 357
2-Chlorophenol	< 357
4-Chlorophenyl phenyl ether	< 357
Chrysene	< 357
1,3-Dichlorobenzene	< 357
1,4-Dichlorobenzene	< 357
1,2-Dichlorobenzene	< 357
Dibenz (a,h) anthracene	< 357
Dibenzofuran	< 357
3,3'-Dichlorobenzidine	< 357
2,4-Dichlorophenol	< 357
Diethyl phthalate	< 357
2,4-Dimethylphenol	< 357
Dimethyl phthalate	< 893

Compound	Results in ug / Kg
Di-n-butyl phthalate	< 357
4,6-Dinitro-2-methylphenol	< 893
2,4-Dinitrophenol	< 893
2,4-Dinitrotoluene	< 357
2,6-Dinitrotoluene	< 357
Di-n-octylphthalate	< 357
Fluoranthene	J 229
Fluorene	< 357
Hexachlorobenzene	< 357
Hexachlorobutadiene	< 357
Hexachlorocyclopentadiene	< 357
Hexachloroethane	< 357
Indeno (1,2,3-cd) pyrene	< 357
Isophorone	< 357
2-Methylnapthalene	522
2-Methylphenol	< 357
3&4-Methylphenol	< 357
Naphthalene	< 357
2-Nitroaniline	< 893
3-Nitroaniline	< 893
4-Nitroaniline	< 893
Nitrobenzene	< 357
2-Nitrophenol	< 357
4-Nitrophenol	< 893
N-Nitroso-di-n-propylamine	< 357
N-Nitrosodiphenylamine	< 357
Pentachlorophenol	< 893
Phenanthrene	552
Phenol	< 357
Pyrene	J 191
1,2,4-Trichlorobenzene	< 357
2,4,5-Trichlorophenol	< 893
2,4,6-Trichlorophenol	< 357
1,2,4,5-Tetrachlorobenzene	< 357
2,3,4,6-Tetrachlorophenol	< 357

ELAP Number 10958

Analytical Method: EPA 8270C
Prep Method: EPA 3550C

Data File: S62033.D

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: SB-16 (0-2)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-07

Date Sampled: 03/19/2012
Date Received: 03/22/2012
Date Analyzed: 03/30/2012

Compound	Results in ug / Kg
Acenaphthene	< 3,230
Acenaphthylene	< 3,230
Acetophenone	< 3,230
Anthracene	< 3,230
Atrazine	< 3,230
Benzaldehyde	< 3,230
Benzo (a) anthracene	3,510
Benzo (a) pyrene	3,330
Benzo (b) fluoranthene	J 3,190
Benzo (g,h,i) perylene	J 1,960
Benzo (k) fluoranthene	J 2,750
Biphenyl	< 3,230
Bis (2-chloroethyl) ether	< 3,230
Bis (2-chloroethoxy) methane	< 3,230
Bis (2-ethylhexyl) phthalate	< 3,230
Bis (2-chloroisopropyl) ether	< 3,230
4-Bromophenyl phenyl ether	< 3,230
Butylbenzylphthalate	< 3,230
Caprolactam	< 3,230
Carbazole	< 3,230
4-Chloroaniline	< 3,230
4-Chloro-3-methylphenol	< 3,230
2-Chloronaphthalene	< 3,230
2-Chlorophenol	< 3,230
4-Chlorophenyl phenyl ether	< 3,230
Chrysene	3,560
1,3-Dichlorobenzene	< 3,230
1,4-Dichlorobenzene	< 3,230
1,2-Dichlorobenzene	< 3,230
Dibenz (a,h) anthracene	< 3,230
Dibenzofuran	< 3,230
3,3'-Dichlorobenzidine	< 3,230
2,4-Dichlorophenol	< 3,230
Diethyl phthalate	< 3,230
2,4-Dimethylphenol	< 3,230
Dimethyl phthalate	< 8,080

Compound	Results in ug / Kg
Di-n-butyl phthalate	< 3,230
4,6-Dinitro-2-methylphenol	< 8,080
2,4-Dinitrophenol	< 8,080
2,4-Dinitrotoluene	< 3,230
2,6-Dinitrotoluene	< 3,230
Di-n-octylphthalate	< 3,230
Fluoranthene	7,050
Fluorene	< 3,230
Hexachlorobenzene	< 3,230
Hexachlorobutadiene	< 3,230
Hexachlorocyclopentadiene	< 3,230
Hexachloroethane	< 3,230
Indeno (1,2,3-cd) pyrene	J 1,700
Isophorone	< 3,230
2-Methylnapthalene	< 3,230
2-Methylphenol	< 3,230
3&4-Methylphenol	< 3,230
Naphthalene	< 3,230
2-Nitroaniline	< 8,080
3-Nitroaniline	< 8,080
4-Nitroaniline	< 8,080
Nitrobenzene	< 3,230
2-Nitrophenol	< 3,230
4-Nitrophenol	< 8,080
N-Nitroso-di-n-propylamine	< 3,230
N-Nitrosodiphenylamine	< 3,230
Pentachlorophenol	< 8,080
Phenanthrene	3,710
Phenol	< 3,230
Pyrene	6,920
1,2,4-Trichlorobenzene	< 3,230
2,4,5-Trichlorophenol	< 8,080
2,4,6-Trichlorophenol	< 3,230
1,2,4,5-Tetrachlorobenzene	< 3,230
2,3,4,6-Tetrachlorophenol	< 3,230

ELAP Number 10958 | Analytical Method: EPA 8270C | Data File: S62095.D
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: SB-17 (8-10)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-08

Date Sampled: 03/19/2012
Date Received: 03/22/2012
Date Analyzed: 03/30/2012

Compound	Results in ug / Kg
Acenaphthene	< 360
Acenaphthylene	< 360
Acetophenone	< 360
Anthracene	< 360
Atrazine	< 360
Benzaldehyde	< 360
Benzo (a) anthracene	< 360
Benzo (a) pyrene	< 360
Benzo (b) fluoranthene	< 360
Benzo (g,h,i) perylene	< 360
Benzo (k) fluoranthene	< 360
Biphenyl	< 360
Bis (2-chloroethyl) ether	< 360
Bis (2-chloroethoxy) methane	< 360
Bis (2-ethylhexyl) phthalate	< 360
Bis (2-chloroisopropyl) ether	< 360
4-Bromophenyl phenyl ether	< 360
Butylbenzylphthalate	< 360
Caprolactam	< 360
Carbazole	< 360
4-Chloroaniline	< 360
4-Chloro-3-methylphenol	< 360
2-Chloronaphthalene	< 360
2-Chlorophenol	< 360
4-Chlorophenyl phenyl ether	< 360
Chrysene	< 360
1,3-Dichlorobenzene	< 360
1,4-Dichlorobenzene	< 360
1,2-Dichlorobenzene	< 360
Dibenz (a,h) anthracene	< 360
Dibenzofuran	< 360
3,3'-Dichlorobenzidine	< 360
2,4-Dichlorophenol	< 360
Diethyl phthalate	< 360
2,4-Dimethylphenol	< 360
Dimethyl phthalate	< 901

Compound	Results in ug / Kg
Di-n-butyl phthalate	< 360
4,6-Dinitro-2-methylphenol	< 901
2,4-Dinitrophenol	< 901
2,4-Dinitrotoluene	< 360
2,6-Dinitrotoluene	< 360
Di-n-octylphthalate	< 360
Fluoranthene	< 360
Fluorene	< 360
Hexachlorobenzene	< 360
Hexachlorobutadiene	< 360
Hexachlorocyclopentadiene	< 360
Hexachloroethane	< 360
Indeno (1,2,3-cd) pyrene	< 360
Isophorone	< 360
2-Methylnapthalene	< 360
2-Methylphenol	< 360
3&4-Methylphenol	< 360
Naphthalene	< 360
2-Nitroaniline	< 901
3-Nitroaniline	< 901
4-Nitroaniline	< 901
Nitrobenzene	< 360
2-Nitrophenol	< 360
4-Nitrophenol	< 901
N-Nitroso-di-n-propylamine	< 360
N-Nitrosodiphenylamine	< 360
Pentachlorophenol	< 901
Phenanthrene	< 360
Phenol	< 360
Pyrene	< 360
1,2,4-Trichlorobenzene	< 360
2,4,5-Trichlorophenol	< 901
2,4,6-Trichlorophenol	< 360
1,2,4,5-Tetrachlorobenzene	< 360
2,3,4,6-Tetrachlorophenol	< 360

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S62096.D
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: SB-20 (5-7)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-09

Date Sampled: 03/19/2012
Date Received: 03/22/2012
Date Analyzed: 03/30/2012

Compound	Results in ug / Kg
Acenaphthene	< 346
Acenaphthylene	< 346
Acetophenone	< 346
Anthracene	< 346
Atrazine	< 346
Benzaldehyde	< 346
Benzo (a) anthracene	J 250
Benzo (a) pyrene	J 255
Benzo (b) fluoranthene	J 312
Benzo (g,h,i) perylene	J 174
Benzo (k) fluoranthene	J 245
Biphenyl	< 346
Bis (2-chloroethyl) ether	< 346
Bis (2-chloroethoxy) methane	< 346
Bis (2-ethylhexyl) phthalate	< 346
Bis (2-chloroisopropyl) ether	< 346
4-Bromophenyl phenyl ether	< 346
Butylbenzylphthalate	< 346
Caprolactam	< 346
Carbazole	< 346
4-Chloroaniline	< 346
4-Chloro-3-methylphenol	< 346
2-Chloronaphthalene	< 346
2-Chlorophenol	< 346
4-Chlorophenyl phenyl ether	< 346
Chrysene	J 316
1,3-Dichlorobenzene	< 346
1,4-Dichlorobenzene	< 346
1,2-Dichlorobenzene	< 346
Dibenz (a,h) anthracene	< 346
Dibenzofuran	< 346
3,3'-Dichlorobenzidine	< 346
2,4-Dichlorophenol	< 346
Diethyl phthalate	< 346
2,4-Dimethylphenol	< 346
Dimethyl phthalate	< 864

Compound	Results in ug / Kg
Di-n-butyl phthalate	< 346
4,6-Dinitro-2-methylphenol	< 864
2,4-Dinitrophenol	< 864
2,4-Dinitrotoluene	< 346
2,6-Dinitrotoluene	< 346
Di-n-octylphthalate	< 346
Fluoranthene	682
Fluorene	< 346
Hexachlorobenzene	< 346
Hexachlorobutadiene	< 346
Hexachlorocyclopentadiene	< 346
Hexachloroethane	< 346
Indeno (1,2,3-cd) pyrene	< 346
Isophorone	< 346
2-Methylnapthalene	< 346
2-Methylphenol	< 346
3&4-Methylphenol	< 346
Naphthalene	< 346
2-Nitroaniline	< 864
3-Nitroaniline	< 864
4-Nitroaniline	< 864
Nitrobenzene	< 346
2-Nitrophenol	< 346
4-Nitrophenol	< 864
N-Nitroso-di-n-propylamine	< 346
N-Nitrosodiphenylamine	< 346
Pentachlorophenol	< 864
Phenanthrene	J 340
Phenol	< 346
Pyrene	596
1,2,4-Trichlorobenzene	< 346
2,4,5-Trichlorophenol	< 864
2,4,6-Trichlorophenol	< 346
1,2,4,5-Tetrachlorobenzene	< 346
2,3,4,6-Tetrachlorophenol	< 346

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S62097.D
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: SB-19 (1-3)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-10

Date Sampled: 03/19/2012
Date Received: 03/22/2012
Date Analyzed: 03/30/2012

Compound	Results in ug / Kg
Acenaphthene	< 3,290
Acenaphthylene	< 3,290
Acetophenone	< 3,290
Anthracene	< 3,290
Atrazine	< 3,290
Benzaldehyde	< 3,290
Benzo (a) anthracene	< 3,290
Benzo (a) pyrene	< 3,290
Benzo (b) fluoranthene	< 3,290
Benzo (g,h,i) perylene	< 3,290
Benzo (k) fluoranthene	< 3,290
Biphenyl	< 3,290
Bis (2-chloroethyl) ether	< 3,290
Bis (2-chloroethoxy) methane	< 3,290
Bis (2-ethylhexyl) phthalate	< 3,290
Bis (2-chloroisopropyl) ether	< 3,290
4-Bromophenyl phenyl ether	< 3,290
Butylbenzylphthalate	< 3,290
Caprolactam	< 3,290
Carbazole	< 3,290
4-Chloroaniline	< 3,290
4-Chloro-3-methylphenol	< 3,290
2-Chloronaphthalene	< 3,290
2-Chlorophenol	< 3,290
4-Chlorophenyl phenyl ether	< 3,290
Chrysene	< 3,290
1,3-Dichlorobenzene	< 3,290
1,4-Dichlorobenzene	< 3,290
1,2-Dichlorobenzene	< 3,290
Dibenz (a,h) anthracene	< 3,290
Dibenzofuran	< 3,290
3,3'-Dichlorobenzidine	< 3,290
2,4-Dichlorophenol	< 3,290
Diethyl phthalate	< 3,290
2,4-Dimethylphenol	< 3,290
Dimethyl phthalate	< 8,220

Compound	Results in ug / Kg
Di-n-butyl phthalate	< 3,290
4,6-Dinitro-2-methylphenol	< 8,220
2,4-Dinitrophenol	< 8,220
2,4-Dinitrotoluene	< 3,290
2,6-Dinitrotoluene	< 3,290
Di-n-octylphthalate	< 3,290
Fluoranthene	< 3,290
Fluorene	< 3,290
Hexachlorobenzene	< 3,290
Hexachlorobutadiene	< 3,290
Hexachlorocyclopentadiene	< 3,290
Hexachloroethane	< 3,290
Indeno (1,2,3-cd) pyrene	< 3,290
Isophorone	< 3,290
2-Methylnapthalene	< 3,290
2-Methylphenol	< 3,290
3&4-Methylphenol	< 3,290
Naphthalene	< 3,290
2-Nitroaniline	< 8,220
3-Nitroaniline	< 8,220
4-Nitroaniline	< 8,220
Nitrobenzene	< 3,290
2-Nitrophenol	< 3,290
4-Nitrophenol	< 8,220
N-Nitroso-di-n-propylamine	< 3,290
N-Nitrosodiphenylamine	< 3,290
Pentachlorophenol	< 8,220
Phenanthrene	< 3,290
Phenol	< 3,290
Pyrene	< 3,290
1,2,4-Trichlorobenzene	< 3,290
2,4,5-Trichlorophenol	< 8,220
2,4,6-Trichlorophenol	< 3,290
1,2,4,5-Tetrachlorobenzene	< 3,290
2,3,4,6-Tetrachlorophenol	< 3,290

ELAP Number 10958 | Analytical Method: EPA 8270C | Data File: S62098.D

Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram
Reporting limit elevated due to non-target compounds

Signature: _____

Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: SB-18 (5-7)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-11

Date Sampled: 03/19/2012
Date Received: 03/22/2012
Date Analyzed: 03/30/2012

Compound	Results in ug / Kg
Acenaphthene	< 367
Acenaphthylene	< 367
Acetophenone	< 367
Anthracene	< 367
Atrazine	< 367
Benzaldehyde	< 367
Benzo (a) anthracene	< 367
Benzo (a) pyrene	< 367
Benzo (b) fluoranthene	< 367
Benzo (g,h,i) perylene	< 367
Benzo (k) fluoranthene	< 367
Biphenyl	< 367
Bis (2-chloroethyl) ether	< 367
Bis (2-chloroethoxy) methane	< 367
Bis (2-ethylhexyl) phthalate	< 367
Bis (2-chloroisopropyl) ether	< 367
4-Bromophenyl phenyl ether	< 367
Butylbenzylphthalate	< 367
Caprolactam	< 367
Carbazole	< 367
4-Chloroaniline	< 367
4-Chloro-3-methylphenol	< 367
2-Chloronaphthalene	< 367
2-Chlorophenol	< 367
4-Chlorophenyl phenyl ether	< 367
Chrysene	< 367
1,3-Dichlorobenzene	< 367
1,4-Dichlorobenzene	< 367
1,2-Dichlorobenzene	< 367
Dibenz (a,h) anthracene	< 367
Dibenzofuran	< 367
3,3'-Dichlorobenzidine	< 367
2,4-Dichlorophenol	< 367
Diethyl phthalate	< 367
2,4-Dimethylphenol	< 367
Dimethyl phthalate	< 917

Compound	Results in ug / Kg
Di-n-butyl phthalate	< 367
4,6-Dinitro-2-methylphenol	< 917
2,4-Dinitrophenol	< 917
2,4-Dinitrotoluene	< 367
2,6-Dinitrotoluene	< 367
Di-n-octylphthalate	< 367
Fluoranthene	< 367
Fluorene	< 367
Hexachlorobenzene	< 367
Hexachlorobutadiene	< 367
Hexachlorocyclopentadiene	< 367
Hexachloroethane	< 367
Indeno (1,2,3-cd) pyrene	< 367
Isophorone	< 367
2-Methylnapthalene	< 367
2-Methylphenol	< 367
3&4-Methylphenol	< 367
Naphthalene	< 367
2-Nitroaniline	< 917
3-Nitroaniline	< 917
4-Nitroaniline	< 917
Nitrobenzene	< 367
2-Nitrophenol	< 367
4-Nitrophenol	< 917
N-Nitroso-di-n-propylamine	< 367
N-Nitrosodiphenylamine	< 367
Pentachlorophenol	< 917
Phenanthrene	< 367
Phenol	< 367
Pyrene	< 367
1,2,4-Trichlorobenzene	< 367
2,4,5-Trichlorophenol	< 917
2,4,6-Trichlorophenol	< 367
1,2,4,5-Tetrachlorobenzene	< 367
2,3,4,6-Tetrachlorophenol	< 367

ELAP Number 10958 | Analytical Method: EPA 8270C | Data File: S62099.D

Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

PARADIGM
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179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: SB-21 (5-7)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-12

Date Sampled: 03/20/2012
Date Received: 03/22/2012
Date Analyzed: 03/30/2012

Compound	Results in ug / Kg
Acenaphthene	< 360
Acenaphthylene	< 360
Acetophenone	< 360
Anthracene	< 360
Atrazine	< 360
Benzaldehyde	< 360
Benzo (a) anthracene	< 360
Benzo (a) pyrene	< 360
Benzo (b) fluoranthene	< 360
Benzo (g,h,i) perylene	< 360
Benzo (k) fluoranthene	< 360
Biphenyl	< 360
Bis (2-chloroethyl) ether	< 360
Bis (2-chloroethoxy) methane	< 360
Bis (2-ethylhexyl) phthalate	< 360
Bis (2-chloroisopropyl) ether	< 360
4-Bromophenyl phenyl ether	< 360
Butylbenzylphthalate	< 360
Caprolactam	< 360
Carbazole	< 360
4-Chloroaniline	< 360
4-Chloro-3-methylphenol	< 360
2-Chloronaphthalene	< 360
2-Chlorophenol	< 360
4-Chlorophenyl phenyl ether	< 360
Chrysene	< 360
1,3-Dichlorobenzene	< 360
1,4-Dichlorobenzene	< 360
1,2-Dichlorobenzene	< 360
Dibenz (a,h) anthracene	< 360
Dibenzofuran	< 360
3,3'-Dichlorobenzidine	< 360
2,4-Dichlorophenol	< 360
Diethyl phthalate	< 360
2,4-Dimethylphenol	< 360
Dimethyl phthalate	< 900

Compound	Results in ug / Kg
Di-n-butyl phthalate	< 360
4,6-Dinitro-2-methylphenol	< 900
2,4-Dinitrophenol	< 900
2,4-Dinitrotoluene	< 360
2,6-Dinitrotoluene	< 360
Di-n-octylphthalate	< 360
Fluoranthene	< 360
Fluorene	< 360
Hexachlorobenzene	< 360
Hexachlorobutadiene	< 360
Hexachlorocyclopentadiene	< 360
Hexachloroethane	< 360
Indeno (1,2,3-cd) pyrene	< 360
Isophorone	< 360
2-Methylnapthalene	< 360
2-Methylphenol	< 360
3&4-Methylphenol	< 360
Naphthalene	< 360
2-Nitroaniline	< 900
3-Nitroaniline	< 900
4-Nitroaniline	< 900
Nitrobenzene	< 360
2-Nitrophenol	< 360
4-Nitrophenol	< 900
N-Nitroso-di-n-propylamine	< 360
N-Nitrosodiphenylamine	< 360
Pentachlorophenol	< 900
Phenanthrene	< 360
Phenol	< 360
Pyrene	< 360
1,2,4-Trichlorobenzene	< 360
2,4,5-Trichlorophenol	< 900
2,4,6-Trichlorophenol	< 360
1,2,4,5-Tetrachlorobenzene	< 360
2,3,4,6-Tetrachlorophenol	< 360

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S62100.D
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
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Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: SB-22 (5-7)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-13

Date Sampled: 03/20/2012
Date Received: 03/22/2012
Date Analyzed: 03/30/2012

Compound	Results in ug / Kg
Acenaphthene	< 316
Acenaphthylene	< 316
Acetophenone	< 316
Anthracene	< 316
Atrazine	< 316
Benzaldehyde	< 316
Benzo (a) anthracene	< 316
Benzo (a) pyrene	< 316
Benzo (b) fluoranthene	< 316
Benzo (g,h,i) perylene	< 316
Benzo (k) fluoranthene	< 316
Biphenyl	< 316
Bis (2-chloroethyl) ether	< 316
Bis (2-chloroethoxy) methane	< 316
Bis (2-ethylhexyl) phthalate	< 316
Bis (2-chloroisopropyl) ether	< 316
4-Bromophenyl phenyl ether	< 316
Butylbenzylphthalate	< 316
Caprolactam	< 316
Carbazole	< 316
4-Chloroaniline	< 316
4-Chloro-3-methylphenol	< 316
2-Chloronaphthalene	< 316
2-Chlorophenol	< 316
4-Chlorophenyl phenyl ether	< 316
Chrysene	< 316
1,3-Dichlorobenzene	< 316
1,4-Dichlorobenzene	< 316
1,2-Dichlorobenzene	< 316
Dibenz (a,h) anthracene	< 316
Dibenzofuran	< 316
3,3'-Dichlorobenzidine	< 316
2,4-Dichlorophenol	< 316
Diethyl phthalate	< 316
2,4-Dimethylphenol	< 316
Dimethyl phthalate	< 791

Compound	Results in ug / Kg
Di-n-butyl phthalate	< 316
4,6-Dinitro-2-methylphenol	< 791
2,4-Dinitrophenol	< 791
2,4-Dinitrotoluene	< 316
2,6-Dinitrotoluene	< 316
Di-n-octylphthalate	< 316
Fluoranthene	< 316
Fluorene	< 316
Hexachlorobenzene	< 316
Hexachlorobutadiene	< 316
Hexachlorocyclopentadiene	< 316
Hexachloroethane	< 316
Indeno (1,2,3-cd) pyrene	< 316
Isophorone	< 316
2-Methylnapthalene	< 316
2-Methylphenol	< 316
3&4-Methylphenol	< 316
Naphthalene	< 316
2-Nitroaniline	< 791
3-Nitroaniline	< 791
4-Nitroaniline	< 791
Nitrobenzene	< 316
2-Nitrophenol	< 316
4-Nitrophenol	< 791
N-Nitroso-di-n-propylamine	< 316
N-Nitrosodiphenylamine	< 316
Pentachlorophenol	< 791
Phenanthrene	< 316
Phenol	< 316
Pyrene	< 316
1,2,4-Trichlorobenzene	< 316
2,4,5-Trichlorophenol	< 791
2,4,6-Trichlorophenol	< 316
1,2,4,5-Tetrachlorobenzene	< 316
2,3,4,6-Tetrachlorophenol	< 316

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S62101.D
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

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Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: SB-23 (1-3)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-14

Date Sampled: 03/20/2012
Date Received: 03/22/2012
Date Analyzed: 03/30/2012

Compound	Results in ug / Kg
Acenaphthene	< 334
Acenaphthylene	< 334
Acetophenone	< 334
Anthracene	< 334
Atrazine	< 334
Benzaldehyde	< 334
Benzo (a) anthracene	< 334
Benzo (a) pyrene	< 334
Benzo (b) fluoranthene	J 200
Benzo (g,h,i) perylene	< 334
Benzo (k) fluoranthene	< 334
Biphenyl	< 334
Bis (2-chloroethyl) ether	< 334
Bis (2-chloroethoxy) methane	< 334
Bis (2-ethylhexyl) phthalate	< 334
Bis (2-chloroisopropyl) ether	< 334
4-Bromophenyl phenyl ether	< 334
Butylbenzylphthalate	< 334
Caprolactam	< 334
Carbazole	< 334
4-Chloroaniline	< 334
4-Chloro-3-methylphenol	< 334
2-Chloronaphthalene	< 334
2-Chlorophenol	< 334
4-Chlorophenyl phenyl ether	< 334
Chrysene	J 168
1,3-Dichlorobenzene	< 334
1,4-Dichlorobenzene	< 334
1,2-Dichlorobenzene	< 334
Dibenz (a,h) anthracene	< 334
Dibenzofuran	< 334
3,3'-Dichlorobenzidine	< 334
2,4-Dichlorophenol	< 334
Diethyl phthalate	< 334
2,4-Dimethylphenol	< 334
Dimethyl phthalate	< 836

Compound	Results in ug / Kg
Di-n-butyl phthalate	< 334
4,6-Dinitro-2-methylphenol	< 836
2,4-Dinitrophenol	< 836
2,4-Dinitrotoluene	< 334
2,6-Dinitrotoluene	< 334
Di-n-octylphthalate	< 334
Fluoranthene	J 284
Fluorene	< 334
Hexachlorobenzene	< 334
Hexachlorobutadiene	< 334
Hexachlorocyclopentadiene	< 334
Hexachloroethane	< 334
Indeno (1,2,3-cd) pyrene	< 334
Isophorone	< 334
2-Methylnapthalene	J 260
2-Methylphenol	< 334
3&4-Methylphenol	< 334
Naphthalene	336
2-Nitroaniline	< 836
3-Nitroaniline	< 836
4-Nitroaniline	< 836
Nitrobenzene	< 334
2-Nitrophenol	< 334
4-Nitrophenol	< 836
N-Nitroso-di-n-propylamine	< 334
N-Nitrosodiphenylamine	< 334
Pentachlorophenol	< 836
Phenanthrene	J 192
Phenol	< 334
Pyrene	J 246
1,2,4-Trichlorobenzene	< 334
2,4,5-Trichlorophenol	< 836
2,4,6-Trichlorophenol	< 334
1,2,4,5-Tetrachlorobenzene	< 334
2,3,4,6-Tetrachlorophenol	< 334

ELAP Number 10958 | Analytical Method: EPA 8270C | Data File: S62102.D
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

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Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: SB-24 (4-6)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-15
Date Sampled: 03/20/2012
Date Received: 03/22/2012
Date Analyzed: 03/30/2012

Compound	Results in ug / Kg
Acenaphthene	< 371
Acenaphthylene	< 371
Acetophenone	< 371
Anthracene	< 371
Atrazine	< 371
Benzaldehyde	< 371
Benzo (a) anthracene	< 371
Benzo (a) pyrene	< 371
Benzo (b) fluoranthene	< 371
Benzo (g,h,i) perylene	< 371
Benzo (k) fluoranthene	< 371
Biphenyl	< 371
Bis (2-chloroethyl) ether	< 371
Bis (2-chloroethoxy) methane	< 371
Bis (2-ethylhexyl) phthalate	< 371
Bis (2-chloroisopropyl) ether	< 371
4-Bromophenyl phenyl ether	< 371
Butylbenzylphthalate	< 371
Caprolactam	< 371
Carbazole	< 371
4-Chloroaniline	< 371
4-Chloro-3-methylphenol	< 371
2-Chloronaphthalene	< 371
2-Chlorophenol	< 371
4-Chlorophenyl phenyl ether	< 371
Chrysene	< 371
1,3-Dichlorobenzene	< 371
1,4-Dichlorobenzene	< 371
1,2-Dichlorobenzene	< 371
Dibenz (a,h) anthracene	< 371
Dibenzofuran	< 371
3,3'-Dichlorobenzidine	< 371
2,4-Dichlorophenol	< 371
Diethyl phthalate	< 371
2,4-Dimethylphenol	< 371
Dimethyl phthalate	< 927

Compound	Results in ug / Kg
Di-n-butyl phthalate	< 371
4,6-Dinitro-2-methylphenol	< 927
2,4-Dinitrophenol	< 927
2,4-Dinitrotoluene	< 371
2,6-Dinitrotoluene	< 371
Di-n-octylphthalate	< 371
Fluoranthene	442
Fluorene	< 371
Hexachlorobenzene	< 371
Hexachlorobutadiene	< 371
Hexachlorocyclopentadiene	< 371
Hexachloroethane	< 371
Indeno (1,2,3-cd) pyrene	< 371
Isophorone	< 371
2-Methylnapthalene	1,450
2-Methylphenol	< 371
3&4-Methylphenol	< 371
Naphthalene	1,320
2-Nitroaniline	< 927
3-Nitroaniline	< 927
4-Nitroaniline	< 927
Nitrobenzene	< 371
2-Nitrophenol	< 371
4-Nitrophenol	< 927
N-Nitroso-di-n-propylamine	< 371
N-Nitrosodiphenylamine	< 371
Pentachlorophenol	< 927
Phenanthrene	J 231
Phenol	< 371
Pyrene	J 356
1,2,4-Trichlorobenzene	< 371
2,4,5-Trichlorophenol	< 927
2,4,6-Trichlorophenol	< 371
1,2,4,5-Tetrachlorobenzene	< 371
2,3,4,6-Tetrachlorophenol	< 371

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S62103.D
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

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Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: SB-25 (5-7)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-16

Date Sampled: 03/20/2012
Date Received: 03/22/2012
Date Analyzed: 03/30/2012

Compound	Results in ug / Kg
Acenaphthene	< 351
Acenaphthylene	< 351
Acetophenone	< 351
Anthracene	< 351
Atrazine	< 351
Benzaldehyde	< 351
Benzo (a) anthracene	< 351
Benzo (a) pyrene	< 351
Benzo (b) fluoranthene	< 351
Benzo (g,h,i) perylene	< 351
Benzo (k) fluoranthene	< 351
Biphenyl	< 351
Bis (2-chloroethyl) ether	< 351
Bis (2-chloroethoxy) methane	< 351
Bis (2-ethylhexyl) phthalate	< 351
Bis (2-chloroisopropyl) ether	< 351
4-Bromophenyl phenyl ether	< 351
Butylbenzylphthalate	< 351
Caprolactam	< 351
Carbazole	< 351
4-Chloroaniline	< 351
4-Chloro-3-methylphenol	< 351
2-Chloronaphthalene	< 351
2-Chlorophenol	< 351
4-Chlorophenyl phenyl ether	< 351
Chrysene	< 351
1,3-Dichlorobenzene	< 351
1,4-Dichlorobenzene	< 351
1,2-Dichlorobenzene	< 351
Dibenz (a,h) anthracene	< 351
Dibenzofuran	< 351
3,3'-Dichlorobenzidine	< 351
2,4-Dichlorophenol	< 351
Diethyl phthalate	< 351
2,4-Dimethylphenol	< 351
Dimethyl phthalate	< 879

Compound	Results in ug / Kg
Di-n-butyl phthalate	< 351
4,6-Dinitro-2-methylphenol	< 879
2,4-Dinitrophenol	< 879
2,4-Dinitrotoluene	< 351
2,6-Dinitrotoluene	< 351
Di-n-octylphthalate	< 351
Fluoranthene	< 351
Fluorene	< 351
Hexachlorobenzene	< 351
Hexachlorobutadiene	< 351
Hexachlorocyclopentadiene	< 351
Hexachloroethane	< 351
Indeno (1,2,3-cd) pyrene	< 351
Isophorone	< 351
2-Methylnapthalene	< 351
2-Methylphenol	< 351
3&4-Methylphenol	< 351
Naphthalene	< 351
2-Nitroaniline	< 879
3-Nitroaniline	< 879
4-Nitroaniline	< 879
Nitrobenzene	< 351
2-Nitrophenol	< 351
4-Nitrophenol	< 879
N-Nitroso-di-n-propylamine	< 351
N-Nitrosodiphenylamine	< 351
Pentachlorophenol	< 879
Phenanthrene	< 351
Phenol	< 351
Pyrene	< 351
1,2,4-Trichlorobenzene	< 351
2,4,5-Trichlorophenol	< 879
2,4,6-Trichlorophenol	< 351
1,2,4,5-Tetrachlorobenzene	< 351
2,3,4,6-Tetrachlorophenol	< 351

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S62106.D
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

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Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: SB-26 (5-7)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-17

Date Sampled: 03/20/2012
Date Received: 03/22/2012
Date Analyzed: 03/30/2012

Compound	Results in ug / Kg
Acenaphthene	< 334
Acenaphthylene	< 334
Acetophenone	< 334
Anthracene	< 334
Atrazine	< 334
Benzaldehyde	< 334
Benzo (a) anthracene	< 334
Benzo (a) pyrene	< 334
Benzo (b) fluoranthene	< 334
Benzo (g,h,i) perylene	< 334
Benzo (k) fluoranthene	< 334
Biphenyl	< 334
Bis (2-chloroethyl) ether	< 334
Bis (2-chloroethoxy) methane	< 334
Bis (2-ethylhexyl) phthalate	< 334
Bis (2-chloroisopropyl) ether	< 334
4-Bromophenyl phenyl ether	< 334
Butylbenzylphthalate	< 334
Caprolactam	< 334
Carbazole	< 334
4-Chloroaniline	< 334
4-Chloro-3-methylphenol	< 334
2-Chloronaphthalene	< 334
2-Chlorophenol	< 334
4-Chlorophenyl phenyl ether	< 334
Chrysene	< 334
1,3-Dichlorobenzene	< 334
1,4-Dichlorobenzene	< 334
1,2-Dichlorobenzene	< 334
Dibenz (a,h) anthracene	< 334
Dibenzofuran	< 334
3,3'-Dichlorobenzidine	< 334
2,4-Dichlorophenol	< 334
Diethyl phthalate	< 334
2,4-Dimethylphenol	< 334
Dimethyl phthalate	< 834

Compound	Results in ug / Kg
Di-n-butyl phthalate	< 334
4,6-Dinitro-2-methylphenol	< 834
2,4-Dinitrophenol	< 834
2,4-Dinitrotoluene	< 334
2,6-Dinitrotoluene	< 334
Di-n-octylphthalate	< 334
Fluoranthene	< 334
Fluorene	< 334
Hexachlorobenzene	< 334
Hexachlorobutadiene	< 334
Hexachlorocyclopentadiene	< 334
Hexachloroethane	< 334
Indeno (1,2,3-cd) pyrene	< 334
Isophorone	< 334
2-Methylnapthalene	< 334
2-Methylphenol	< 334
3&4-Methylphenol	< 334
Naphthalene	< 334
2-Nitroaniline	< 834
3-Nitroaniline	< 834
4-Nitroaniline	< 834
Nitrobenzene	< 334
2-Nitrophenol	< 334
4-Nitrophenol	< 834
N-Nitroso-di-n-propylamine	< 334
N-Nitrosodiphenylamine	< 334
Pentachlorophenol	< 834
Phenanthrene	< 334
Phenol	< 334
Pyrene	< 334
1,2,4-Trichlorobenzene	< 334
2,4,5-Trichlorophenol	< 834
2,4,6-Trichlorophenol	< 334
1,2,4,5-Tetrachlorobenzene	< 334
2,3,4,6-Tetrachlorophenol	< 334

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S62107.D
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature: 
Bruce Hoogesteger: Technical Director

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Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: SB-27 (1-3)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-18

Date Sampled: 03/20/2012
Date Received: 03/22/2012
Date Analyzed: 03/30/2012

Compound	Results in ug / Kg
Acenaphthene	< 366
Acenaphthylene	< 366
Acetophenone	< 366
Anthracene	< 366
Atrazine	< 366
Benzaldehyde	< 366
Benzo (a) anthracene	< 366
Benzo (a) pyrene	< 366
Benzo (b) fluoranthene	< 366
Benzo (g,h,i) perylene	< 366
Benzo (k) fluoranthene	< 366
Biphenyl	< 366
Bis (2-chloroethyl) ether	< 366
Bis (2-chloroethoxy) methane	< 366
Bis (2-ethylhexyl) phthalate	< 366
Bis (2-chloroisopropyl) ether	< 366
4-Bromophenyl phenyl ether	< 366
Butylbenzylphthalate	< 366
Caprolactam	< 366
Carbazole	< 366
4-Chloroaniline	< 366
4-Chloro-3-methylphenol	< 366
2-Chloronaphthalene	< 366
2-Chlorophenol	< 366
4-Chlorophenyl phenyl ether	< 366
Chrysene	< 366
1,3-Dichlorobenzene	< 366
1,4-Dichlorobenzene	< 366
1,2-Dichlorobenzene	< 366
Dibenz (a,h) anthracene	< 366
Dibenzofuran	< 366
3,3'-Dichlorobenzidine	< 366
2,4-Dichlorophenol	< 366
Diethyl phthalate	< 366
2,4-Dimethylphenol	< 366
Dimethyl phthalate	< 914

Compound	Results in ug / Kg
Di-n-butyl phthalate	< 366
4,6-Dinitro-2-methylphenol	< 914
2,4-Dinitrophenol	< 914
2,4-Dinitrotoluene	< 366
2,6-Dinitrotoluene	< 366
Di-n-octylphthalate	< 366
Fluoranthene	< 366
Fluorene	< 366
Hexachlorobenzene	< 366
Hexachlorobutadiene	< 366
Hexachlorocyclopentadiene	< 366
Hexachloroethane	< 366
Indeno (1,2,3-cd) pyrene	< 366
Isophorone	< 366
2-Methylnapthalene	< 366
2-Methylphenol	< 366
3&4-Methylphenol	< 366
Naphthalene	< 366
2-Nitroaniline	< 914
3-Nitroaniline	< 914
4-Nitroaniline	< 914
Nitrobenzene	< 366
2-Nitrophenol	< 366
4-Nitrophenol	< 914
N-Nitroso-di-n-propylamine	< 366
N-Nitrosodiphenylamine	< 366
Pentachlorophenol	< 914
Phenanthrene	< 366
Phenol	< 366
Pyrene	< 366
1,2,4-Trichlorobenzene	< 366
2,4,5-Trichlorophenol	< 914
2,4,6-Trichlorophenol	< 366
1,2,4,5-Tetrachlorobenzene	< 366
2,3,4,6-Tetrachlorophenol	< 366

ELAP Number 10958 | Analytical Method: EPA 8270C | Data File: S62108.D

Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

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Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: SB-28 (5-7)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-19

Date Sampled: 03/20/2012
Date Received: 03/22/2012
Date Analyzed: 03/30/2012

Compound	Results in ug / Kg
Acenaphthene	< 343
Acenaphthylene	< 343
Acetophenone	< 343
Anthracene	< 343
Atrazine	< 343
Benzaldehyde	< 343
Benzo (a) anthracene	< 343
Benzo (a) pyrene	< 343
Benzo (b) fluoranthene	< 343
Benzo (g,h,i) perylene	< 343
Benzo (k) fluoranthene	< 343
Biphenyl	< 343
Bis (2-chloroethyl) ether	< 343
Bis (2-chloroethoxy) methane	< 343
Bis (2-ethylhexyl) phthalate	< 343
Bis (2-chloroisopropyl) ether	< 343
4-Bromophenyl phenyl ether	< 343
Butylbenzylphthalate	< 343
Caprolactam	< 343
Carbazole	< 343
4-Chloroaniline	< 343
4-Chloro-3-methylphenol	< 343
2-Chloronaphthalene	< 343
2-Chlorophenol	< 343
4-Chlorophenyl phenyl ether	< 343
Chrysene	< 343
1,3-Dichlorobenzene	< 343
1,4-Dichlorobenzene	< 343
1,2-Dichlorobenzene	< 343
Dibenz (a,h) anthracene	< 343
Dibenzofuran	< 343
3,3'-Dichlorobenzidine	< 343
2,4-Dichlorophenol	< 343
Diethyl phthalate	< 343
2,4-Dimethylphenol	< 343
Dimethyl phthalate	< 858

Compound	Results in ug / Kg
Di-n-butyl phthalate	< 343
4,6-Dinitro-2-methylphenol	< 858
2,4-Dinitrophenol	< 858
2,4-Dinitrotoluene	< 343
2,6-Dinitrotoluene	< 343
Di-n-octylphthalate	< 343
Fluoranthene	< 343
Fluorene	< 343
Hexachlorobenzene	< 343
Hexachlorobutadiene	< 343
Hexachlorocyclopentadiene	< 343
Hexachloroethane	< 343
Indeno (1,2,3-cd) pyrene	< 343
Isophorone	< 343
2-Methylnapthalene	< 343
2-Methylphenol	< 343
3&4-Methylphenol	< 343
Naphthalene	< 343
2-Nitroaniline	< 858
3-Nitroaniline	< 858
4-Nitroaniline	< 858
Nitrobenzene	< 343
2-Nitrophenol	< 343
4-Nitrophenol	< 858
N-Nitroso-di-n-propylamine	< 343
N-Nitrosodiphenylamine	< 343
Pentachlorophenol	< 858
Phenanthrene	< 343
Phenol	< 343
Pyrene	< 343
1,2,4-Trichlorobenzene	< 343
2,4,5-Trichlorophenol	< 858
2,4,6-Trichlorophenol	< 343
1,2,4,5-Tetrachlorobenzene	< 343
2,3,4,6-Tetrachlorophenol	< 343

ELAP Number 10958
Analytical Method: EPA 8270C
Prep Method: EPA 3550C
Data File: S62109.D

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: SB-29 (5-7)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-20

Date Sampled: 03/21/2012
Date Received: 03/22/2012
Date Analyzed: 04/02/2012

Compound	Results in ug / Kg
Acenaphthene	< 364
Acenaphthylene	< 364
Acetophenone	< 364
Anthracene	< 364
Atrazine	< 364
Benzaldehyde	< 364
Benzo (a) anthracene	< 364
Benzo (a) pyrene	< 364
Benzo (b) fluoranthene	< 364
Benzo (g,h,i) perylene	< 364
Benzo (k) fluoranthene	< 364
Biphenyl	< 364
Bis (2-chloroethyl) ether	< 364
Bis (2-chloroethoxy) methane	< 364
Bis (2-ethylhexyl) phthalate	< 364
Bis (2-chloroisopropyl) ether	< 364
4-Bromophenyl phenyl ether	< 364
Butylbenzylphthalate	< 364
Caprolactam	< 364
Carbazole	< 364
4-Chloroaniline	< 364
4-Chloro-3-methylphenol	< 364
2-Chloronaphthalene	< 364
2-Chlorophenol	< 364
4-Chlorophenyl phenyl ether	< 364
Chrysene	< 364
1,3-Dichlorobenzene	< 364
1,4-Dichlorobenzene	< 364
1,2-Dichlorobenzene	< 364
Dibenz (a,h) anthracene	< 364
Dibenzofuran	< 364
3,3'-Dichlorobenzidine	< 364
2,4-Dichlorophenol	< 364
Diethyl phthalate	< 364
2,4-Dimethylphenol	< 364
Dimethyl phthalate	< 909

Compound	Results in ug / Kg
Di-n-butyl phthalate	< 364
4,6-Dinitro-2-methylphenol	< 909
2,4-Dinitrophenol	< 909
2,4-Dinitrotoluene	< 364
2,6-Dinitrotoluene	< 364
Di-n-octylphthalate	< 364
Fluoranthene	< 364
Fluorene	< 364
Hexachlorobenzene	< 364
Hexachlorobutadiene	< 364
Hexachlorocyclopentadiene	< 364
Hexachloroethane	< 364
Indeno (1,2,3-cd) pyrene	< 364
Isophorone	< 364
2-Methylnapthalene	< 364
2-Methylphenol	< 364
3&4-Methylphenol	< 364
Naphthalene	< 364
2-Nitroaniline	< 909
3-Nitroaniline	< 909
4-Nitroaniline	< 909
Nitrobenzene	< 364
2-Nitrophenol	< 364
4-Nitrophenol	< 909
N-Nitroso-di-n-propylamine	< 364
N-Nitrosodiphenylamine	< 364
Pentachlorophenol	< 909
Phenanthrene	< 364
Phenol	< 364
Pyrene	< 364
1,2,4-Trichlorobenzene	< 364
2,4,5-Trichlorophenol	< 909
2,4,6-Trichlorophenol	< 364
1,2,4,5-Tetrachlorobenzene	< 364
2,3,4,6-Tetrachlorophenol	< 364

ELAP Number 10958

Analytical Method: EPA 8270C
Prep Method: EPA 3550C

Data File: S62148.D

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: SB-30 (5-7)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-21

Date Sampled: 03/21/2012
Date Received: 03/22/2012
Date Analyzed: 04/02/2012

Compound	Results in ug / Kg
Acenaphthene	< 313
Acenaphthylene	< 313
Acetophenone	< 313
Anthracene	< 313
Atrazine	< 313
Benzaldehyde	< 313
Benzo (a) anthracene	< 313
Benzo (a) pyrene	< 313
Benzo (b) fluoranthene	< 313
Benzo (g,h,i) perylene	< 313
Benzo (k) fluoranthene	< 313
Biphenyl	< 313
Bis (2-chloroethyl) ether	< 313
Bis (2-chloroethoxy) methane	< 313
Bis (2-ethylhexyl) phthalate	< 313
Bis (2-chloroisopropyl) ether	< 313
4-Bromophenyl phenyl ether	< 313
Butylbenzylphthalate	< 313
Caprolactam	< 313
Carbazole	< 313
4-Chloroaniline	< 313
4-Chloro-3-methylphenol	< 313
2-Chloronaphthalene	< 313
2-Chlorophenol	< 313
4-Chlorophenyl phenyl ether	< 313
Chrysene	< 313
1,3-Dichlorobenzene	< 313
1,4-Dichlorobenzene	< 313
1,2-Dichlorobenzene	< 313
Dibenz (a,h) anthracene	< 313
Dibenzofuran	< 313
3,3'-Dichlorobenzidine	< 313
2,4-Dichlorophenol	< 313
Diethyl phthalate	< 313
2,4-Dimethylphenol	< 313
Dimethyl phthalate	< 784

Compound	Results in ug / Kg
Di-n-butyl phthalate	< 313
4,6-Dinitro-2-methylphenol	< 784
2,4-Dinitrophenol	< 784
2,4-Dinitrotoluene	< 313
2,6-Dinitrotoluene	< 313
Di-n-octylphthalate	< 313
Fluoranthene	< 313
Fluorene	< 313
Hexachlorobenzene	< 313
Hexachlorobutadiene	< 313
Hexachlorocyclopentadiene	< 313
Hexachloroethane	< 313
Indeno (1,2,3-cd) pyrene	< 313
Isophorone	< 313
2-Methylnapthalene	< 313
2-Methylphenol	< 313
3&4-Methylphenol	< 313
Naphthalene	< 313
2-Nitroaniline	< 784
3-Nitroaniline	< 784
4-Nitroaniline	< 784
Nitrobenzene	< 313
2-Nitrophenol	< 313
4-Nitrophenol	< 784
N-Nitroso-di-n-propylamine	< 313
N-Nitrosodiphenylamine	< 313
Pentachlorophenol	< 784
Phenanthrene	< 313
Phenol	< 313
Pyrene	< 313
1,2,4-Trichlorobenzene	< 313
2,4,5-Trichlorophenol	< 784
2,4,6-Trichlorophenol	< 313
1,2,4,5-Tetrachlorobenzene	< 313
2,3,4,6-Tetrachlorophenol	< 313

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S62149.D
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature:
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
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Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 012-005-102
Field Location: SB12 (8-10)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-03

Date Sampled: 03/19/2012
Date Received: 03/22/2012
Date Analyzed: 03/26/2012

Compound	Results in ug / Kg
Acetone	B 58.4
Benzene	< 4.06
Bromochloromethane	< 10.1
Bromodichloromethane	< 4.06
Bromoform	< 10.1
Bromomethane	< 4.06
2-Butanone	< 20.3
Carbon disulfide	< 4.06
Carbon Tetrachloride	< 4.06
Chlorobenzene	< 4.06
Chloroethane	< 4.06
Chloroform	< 4.06
Chloromethane	< 4.06
Cyclohexane	< 20.3
Dibromochloromethane	< 4.06
1,2-Dibromo-3-Chloropropane	< 20.3
1,2-Dibromoethane	< 4.06
1,2-Dichlorobenzene	< 4.06
1,3-Dichlorobenzene	< 4.06
1,4-Dichlorobenzene	< 4.06
Dichlorodifluoromethane	< 4.06
1,1-Dichloroethane	< 4.06
1,2-Dichloroethane	< 4.06
1,1-Dichloroethene	< 4.06
cis-1,2-Dichloroethene	< 4.06
trans-1,2-Dichloroethene	< 4.06

Compound	Results in ug / Kg
1,2-Dichloropropane	< 4.06
cis-1,3-Dichloropropene	< 4.06
trans-1,3-Dichloropropene	< 4.06
1,4-Dioxane	< 40.6
Ethylbenzene	< 4.06
Freon 113	< 4.06
2-Hexanone	< 10.1
Isopropylbenzene	< 4.06
Methyl acetate	J 2.54
Methyl tert-butyl Ether	< 4.06
Methylcyclohexane	< 4.06
Methylene chloride	< 10.1
4-Methyl-2-pentanone	< 10.1
Styrene	< 10.1
1,1,2,2-Tetrachloroethane	< 4.06
Tetrachloroethene	< 4.06
Toluene	< 4.06
1,2,3-Trichlorobenzene	< 10.1
1,2,4-Trichlorobenzene	< 10.1
1,1,1-Trichloroethane	< 4.06
1,1,2-Trichloroethane	< 4.06
Trichloroethene	< 4.06
Trichlorofluoromethane	< 4.06
Vinyl chloride	< 4.06
m,p-Xylene	< 4.06
o-Xylene	< 4.06

ELAP Number 10958 Method: EPA 8260B Data File: V95688.D

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger, Technical Director

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

PARADIGM
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Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Turnkey Environmental

Client Job Site:	348 Langner Road Site	**Lab Project Number:**	12:1226
		Lab Sample Number:	12:1226-03
Client Job Number:	012-005-102		
Field Location:	SB12 (8-10)	**Date Sampled:**	03/19/2012
Field ID Number:	N/A	**Date Received:**	03/22/2012
Sample Type:	Soil	**Date Analyzed:**	03/26/2012

Compound	Results in ug / Kg
n-Butylbenzene	< 4.06
sec-Butylbenzene	< 4.06
tert-Butylbenzene	< 4.06
p-Isopropyltoluene	< 4.06
Naphthalene	< 10.1

Compound	Results in ug / Kg
n-Propylbenzene	< 4.06
1,2,4-Trimethylbenzene	< 4.06
1,3,5-Trimethylbenzene	< 4.06

ELAP Number 10958 Method: EPA 8260B Data File: V95688.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

PARADIGM
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179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 012-005-102
Field Location: SB-13 (0-3)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-04

Date Sampled: 03/19/2012
Date Received: 03/22/2012
Date Analyzed: 03/26/2012

Compound	Results in ug / Kg
Acetone	B 34.7
Benzene	< 3.77
Bromochloromethane	< 9.42
Bromodichloromethane	< 3.77
Bromoform	< 9.42
Bromomethane	< 3.77
2-Butanone	< 18.8
Carbon disulfide	< 3.77
Carbon Tetrachloride	< 3.77
Chlorobenzene	< 3.77
Chloroethane	< 3.77
Chloroform	< 3.77
Chloromethane	< 3.77
Cyclohexane	< 18.8
Dibromochloromethane	< 3.77
1,2-Dibromo-3-Chloropropane	< 18.8
1,2-Dibromoethane	< 3.77
1,2-Dichlorobenzene	< 3.77
1,3-Dichlorobenzene	< 3.77
1,4-Dichlorobenzene	< 3.77
Dichlorodifluoromethane	< 3.77
1,1-Dichloroethane	< 3.77
1,2-Dichloroethane	< 3.77
1,1-Dichloroethene	< 3.77
cis-1,2-Dichloroethene	< 3.77
trans-1,2-Dichloroethene	< 3.77

Compound	Results in ug / Kg
1,2-Dichloropropane	< 3.77
cis-1,3-Dichloropropene	< 3.77
trans-1,3-Dichloropropene	< 3.77
1,4-Dioxane	< 37.7
Ethylbenzene	5.25
Freon 113	< 3.77
2-Hexanone	< 9.42
Isopropylbenzene	< 3.77
Methyl acetate	< 3.77
Methyl tert-butyl Ether	< 3.77
Methylcyclohexane	5.60
Methylene chloride	< 9.42
4-Methyl-2-pentanone	< 9.42
Styrene	< 9.42
1,1,2,2-Tetrachloroethane	< 3.77
Tetrachloroethene	< 3.77
Toluene	< 3.77
1,2,3-Trichlorobenzene	< 9.42
1,2,4-Trichlorobenzene	< 9.42
1,1,1-Trichloroethane	< 3.77
1,1,2-Trichloroethane	< 3.77
Trichloroethene	< 3.77
Trichlorofluoromethane	< 3.77
Vinyl chloride	< 3.77
m,p-Xylene	12.4
o-Xylene	4.02

ELAP Number 10958 Method: EPA 8260B Data File: V95689.D

Comments: ug / Kg = microgram per Kilogram
Surrogate outliers indicate probable matrix interference
Matrix Spike outliers indicate probable matrix interference

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Turnkey Environmental

Client Job Site:	348 Langner Road Site	**Lab Project Number:**	12:1226
		Lab Sample Number:	12:1226-04
Client Job Number:	012-005-102		
Field Location:	SB-13 (0-3)	**Date Sampled:**	03/19/2012
Field ID Number:	N/A	**Date Received:**	03/22/2012
Sample Type:	Soil	**Date Analyzed:**	03/26/2012

Compound	Results in ug / Kg
n-Butylbenzene	< 3.77
sec-Butylbenzene	< 3.77
tert-Butylbenzene	< 3.77
p-Isopropyltoluene	< 3.77
Naphthalene	< 9.42

Compound	Results in ug / Kg
n-Propylbenzene	< 3.77
1,2,4-Trimethylbenzene	< 3.77
1,3,5-Trimethylbenzene	< 3.77

ELAP Number 10958 Method: EPA 8260B Data File: V95689.D

Comments: ug / Kg = microgram per Kilogram
Surrogate outliers indicate probable matrix interference
Matrix Spike outliers indicate probable matrix interference

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 012-005-102
Field Location: SB-15 (2-4)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-06

Date Sampled: 03/19/2012
Date Received: 03/22/2012
Date Analyzed: 03/27/2012

Compound	Results in ug / Kg
Acetone	B 99.0
Benzene	< 4.60
Bromochloromethane	< 11.5
Bromodichloromethane	< 4.60
Bromoform	< 11.5
Bromomethane	< 4.60
2-Butanone	J 13.5
Carbon disulfide	14.2
Carbon Tetrachloride	< 4.60
Chlorobenzene	< 4.60
Chloroethane	< 4.60
Chloroform	< 4.60
Chloromethane	< 4.60
Cyclohexane	< 23.0
Dibromochloromethane	< 4.60
1,2-Dibromo-3-Chloropropane	< 23.0
1,2-Dibromoethane	< 4.60
1,2-Dichlorobenzene	< 4.60
1,3-Dichlorobenzene	< 4.60
1,4-Dichlorobenzene	< 4.60
Dichlorodifluoromethane	< 4.60
1,1-Dichloroethane	< 4.60
1,2-Dichloroethane	< 4.60
1,1-Dichloroethene	< 4.60
cis-1,2-Dichloroethene	< 4.60
trans-1,2-Dichloroethene	< 4.60

Compound	Results in ug / Kg
1,2-Dichloropropane	< 4.60
cis-1,3-Dichloropropene	< 4.60
trans-1,3-Dichloropropene	< 4.60
1,4-Dioxane	< 46.0
Ethylbenzene	J 3.08
Freon 113	< 4.60
2-Hexanone	< 11.5
Isopropylbenzene	6.78
Methyl acetate	< 4.60
Methyl tert-butyl Ether	< 4.60
Methylcyclohexane	29.1
Methylene chloride	< 11.5
4-Methyl-2-pentanone	< 11.5
Styrene	< 11.5
1,1,2,2-Tetrachloroethane	< 4.60
Tetrachloroethene	< 4.60
Toluene	< 4.60
1,2,3-Trichlorobenzene	< 11.5
1,2,4-Trichlorobenzene	< 11.5
1,1,1-Trichloroethane	< 4.60
1,1,2-Trichloroethane	< 4.60
Trichloroethene	< 4.60
Trichlorofluoromethane	< 4.60
Vinyl chloride	< 4.60
m,p-Xylene	J 2.55
o-Xylene	J 2.81

ELAP Number 10958 Method: EPA 8260B Data File: V95697.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 012-005-102
Field Location: SB-15 (2-4)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-06

Date Sampled: 03/19/2012
Date Received: 03/22/2012
Date Analyzed: 03/27/2012

Compound	Results in ug / Kg
n-Butylbenzene	14.6
sec-Butylbenzene	10.6
tert-Butylbenzene	< 4.60
p-Isopropyltoluene	J 4.33
Naphthalene	15.1

Compound	Results in ug / Kg
n-Propylbenzene	12.6
1,2,4-Trimethylbenzene	J 4.49
1,3,5-Trimethylbenzene	< 4.60

ELAP Number 10958 Method: EPA 8260B Data File: V95697.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 012-005-102
Field Location: SB-19 (1-3)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-10

Date Sampled: 03/19/2012
Date Received: 03/22/2012
Date Analyzed: 03/27/2012

Compound	Results in ug / Kg
Acetone	< 19.2
Benzene	< 3.84
Bromochloromethane	< 9.59
Bromodichloromethane	< 3.84
Bromoform	< 9.59
Bromomethane	< 3.84
2-Butanone	< 19.2
Carbon disulfide	< 3.84
Carbon Tetrachloride	< 3.84
Chlorobenzene	< 3.84
Chloroethane	< 3.84
Chloroform	30.0
Chloromethane	< 3.84
Cyclohexane	< 19.2
Dibromochloromethane	< 3.84
1,2-Dibromo-3-Chloropropane	< 19.2
1,2-Dibromoethane	< 3.84
1,2-Dichlorobenzene	< 3.84
1,3-Dichlorobenzene	< 3.84
1,4-Dichlorobenzene	< 3.84
Dichlorodifluoromethane	< 3.84
1,1-Dichloroethane	< 3.84
1,2-Dichloroethane	< 3.84
1,1-Dichloroethene	< 3.84
cis-1,2-Dichloroethene	< 3.84
trans-1,2-Dichloroethene	< 3.84

Compound	Results in ug / Kg
1,2-Dichloropropane	< 3.84
cis-1,3-Dichloropropene	< 3.84
trans-1,3-Dichloropropene	< 3.84
1,4-Dioxane	< 38.4
Ethylbenzene	< 3.84
Freon 113	< 3.84
2-Hexanone	< 9.59
Isopropylbenzene	< 3.84
Methyl acetate	< 3.84
Methyl tert-butyl Ether	< 3.84
Methylcyclohexane	< 3.84
Methylene chloride	< 9.59
4-Methyl-2-pentanone	< 9.59
Styrene	< 9.59
1,1,2,2-Tetrachloroethane	< 3.84
Tetrachloroethene	< 3.84
Toluene	< 3.84
1,2,3-Trichlorobenzene	< 9.59
1,2,4-Trichlorobenzene	< 9.59
1,1,1-Trichloroethane	< 3.84
1,1,2-Trichloroethane	< 3.84
Trichloroethene	< 3.84
Trichlorofluoromethane	< 3.84
Vinyl chloride	< 3.84
m,p-Xylene	< 3.84
o-Xylene	< 3.84

ELAP Number 10958 Method: EPA 8260B Data File: V95698.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

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ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 012-005-102
Field Location: SB-19 (1-3)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-10
Date Sampled: 03/19/2012
Date Received: 03/22/2012
Date Analyzed: 03/27/2012

Compound	Results in ug / Kg
n-Butylbenzene	< 3.84
sec-Butylbenzene	< 3.84
tert-Butylbenzene	< 3.84
p-Isopropyltoluene	< 3.84
Naphthalene	< 9.59

Compound	Results in ug / Kg
n-Propylbenzene	< 3.84
1,2,4-Trimethylbenzene	< 3.84
1,3,5-Trimethylbenzene	< 3.84

ELAP Number 10958 Method: EPA 8260B Data File: V95698.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

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179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 012-005-102
Field Location: SB-23 (1-3)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-14

Date Sampled: 03/20/2012
Date Received: 03/22/2012
Date Analyzed: 03/27/2012

Compound	Results in ug / Kg
Acetone	< 263
Benzene	72.6
Bromochloromethane	< 131
Bromodichloromethane	< 52.6
Bromoform	< 131
Bromomethane	< 52.6
2-Butanone	< 263
Carbon disulfide	< 52.6
Carbon Tetrachloride	< 52.6
Chlorobenzene	< 52.6
Chloroethane	< 52.6
Chloroform	< 52.6
Chloromethane	< 52.6
Cyclohexane	< 263
Dibromochloromethane	< 52.6
1,2-Dibromo-3-Chloropropane	< 263
1,2-Dibromoethane	< 52.6
1,2-Dichlorobenzene	< 52.6
1,3-Dichlorobenzene	< 52.6
1,4-Dichlorobenzene	< 52.6
Dichlorodifluoromethane	< 52.6
1,1-Dichloroethane	< 52.6
1,2-Dichloroethane	< 52.6
1,1-Dichloroethene	< 52.6
cis-1,2-Dichloroethene	< 52.6
trans-1,2-Dichloroethene	< 52.6

Compound	Results in ug / Kg
1,2-Dichloropropane	< 52.6
cis-1,3-Dichloropropene	< 52.6
trans-1,3-Dichloropropene	< 52.6
1,4-Dioxane	< 526
Ethylbenzene	1,630
Freon 113	< 52.6
2-Hexanone	< 131
Isopropylbenzene	141
Methyl acetate	< 52.6
Methyl tert-butyl Ether	< 52.6
Methylcyclohexane	599
Methylene chloride	< 131
4-Methyl-2-pentanone	< 131
Styrene	< 131
1,1,2,2-Tetrachloroethane	< 52.6
Tetrachloroethene	< 52.6
Toluene	138
1,2,3-Trichlorobenzene	< 131
1,2,4-Trichlorobenzene	< 131
1,1,1-Trichloroethane	< 52.6
1,1,2-Trichloroethane	< 52.6
Trichloroethene	< 52.6
Trichlorofluoromethane	< 52.6
Vinyl chloride	< 52.6
m,p-Xylene	1,470
o-Xylene	549

ELAP Number 10958 Method: EPA 8260B Data File: V95727.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 012-005-102
Field Location: SB-23 (1-3)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-14

Date Sampled: 03/20/2012
Date Received: 03/22/2012
Date Analyzed: 03/27/2012

Compound	Results in ug / Kg
n-Butylbenzene	346
sec-Butylbenzene	60.3
tert-Butylbenzene	< 52.6
p-Isopropyltoluene	J 35.0
Naphthalene	313

Compound	Results in ug / Kg
n-Propylbenzene	684
1,2,4-Trimethylbenzene	2,250
1,3,5-Trimethylbenzene	1,300

ELAP Number 10958 Method: EPA 8260B Data File: V95727.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 012-005-102
Field Location: SB-24 (4-6)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-15

Date Sampled: 03/20/2012
Date Received: 03/22/2012
Date Analyzed: 03/27/2012

Compound	Results in ug / Kg
Acetone	< 851
Benzene	287
Bromochloromethane	< 426
Bromodichloromethane	< 170
Bromoform	< 426
Bromomethane	< 170
2-Butanone	< 851
Carbon disulfide	< 170
Carbon Tetrachloride	< 170
Chlorobenzene	< 170
Chloroethane	< 170
Chloroform	< 170
Chloromethane	< 170
Cyclohexane	< 851
Dibromochloromethane	< 170
1,2-Dibromo-3-Chloropropane	< 851
1,2-Dibromoethane	< 170
1,2-Dichlorobenzene	< 170
1,3-Dichlorobenzene	< 170
1,4-Dichlorobenzene	< 170
Dichlorodifluoromethane	< 170
1,1-Dichloroethane	< 170
1,2-Dichloroethane	< 170
1,1-Dichloroethene	< 170
cis-1,2-Dichloroethene	< 170
trans-1,2-Dichloroethene	< 170

Compound	Results in ug / Kg
1,2-Dichloropropane	< 170
cis-1,3-Dichloropropene	< 170
trans-1,3-Dichloropropene	< 170
1,4-Dioxane	< 1,700
Ethylbenzene	4,710
Freon 113	< 170
2-Hexanone	< 426
Isopropylbenzene	477
Methyl acetate	< 170
Methyl tert-butyl Ether	< 170
Methylcyclohexane	788
Methylene chloride	< 426
4-Methyl-2-pentanone	< 426
Styrene	< 426
1,1,2,2-Tetrachloroethane	< 170
Tetrachloroethene	< 170
Toluene	< 170
1,2,3-Trichlorobenzene	< 426
1,2,4-Trichlorobenzene	< 426
1,1,1-Trichloroethane	< 170
1,1,2-Trichloroethane	< 170
Trichloroethene	< 170
Trichlorofluoromethane	< 170
Vinyl chloride	< 170
m,p-Xylene	3,080
o-Xylene	< 170

ELAP Number 10958 Method: EPA 8260B Data File: V95711.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

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

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 012-005-102
Field Location: SB-24 (4-6)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-15

Date Sampled: 03/20/2012
Date Received: 03/22/2012
Date Analyzed: 03/27/2012

Compound	Results in ug / Kg
n-Butylbenzene	947
sec-Butylbenzene	221
tert-Butylbenzene	< 170
p-Isopropyltoluene	J 90.5
Naphthalene	2,100

Compound	Results in ug / Kg
n-Propylbenzene	2,420
1,2,4-Trimethylbenzene	4,440
1,3,5-Trimethylbenzene	2,620

ELAP Number 10958 Method: EPA 8260B Data File: V95711.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 012-005-102
Field Location: SB-27 (1-3)
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: 12:1226-18

Date Sampled: 03/20/2012
Date Received: 03/22/2012
Date Analyzed: 03/27/2012

Compound	Results in ug / Kg
Acetone	B 50.6
Benzene	< 4.44
Bromochloromethane	< 11.1
Bromodichloromethane	< 4.44
Bromoform	< 11.1
Bromomethane	< 4.44
2-Butanone	< 22.2
Carbon disulfide	< 4.44
Carbon Tetrachloride	< 4.44
Chlorobenzene	< 4.44
Chloroethane	< 4.44
Chloroform	< 4.44
Chloromethane	< 4.44
Cyclohexane	< 22.2
Dibromochloromethane	< 4.44
1,2-Dibromo-3-Chloropropane	< 22.2
1,2-Dibromoethane	< 4.44
1,2-Dichlorobenzene	< 4.44
1,3-Dichlorobenzene	< 4.44
1,4-Dichlorobenzene	< 4.44
Dichlorodifluoromethane	< 4.44
1,1-Dichloroethane	< 4.44
1,2-Dichloroethane	< 4.44
1,1-Dichloroethene	< 4.44
cis-1,2-Dichloroethene	< 4.44
trans-1,2-Dichloroethene	< 4.44

Compound	Results in ug / Kg
1,2-Dichloropropane	< 4.44
cis-1,3-Dichloropropene	< 4.44
trans-1,3-Dichloropropene	< 4.44
1,4-Dioxane	< 44.4
Ethylbenzene	< 4.44
Freon 113	< 4.44
2-Hexanone	< 11.1
Isopropylbenzene	< 4.44
Methyl acetate	< 4.44
Methyl tert-butyl Ether	< 4.44
Methylcyclohexane	< 4.44
Methylene chloride	< 11.1
4-Methyl-2-pentanone	< 11.1
Styrene	< 11.1
1,1,2,2-Tetrachloroethane	< 4.44
Tetrachloroethene	< 4.44
Toluene	< 4.44
1,2,3-Trichlorobenzene	< 11.1
1,2,4-Trichlorobenzene	< 11.1
1,1,1-Trichloroethane	< 4.44
1,1,2-Trichloroethane	< 4.44
Trichloroethene	< 4.44
Trichlorofluoromethane	< 4.44
Vinyl chloride	< 4.44
m,p-Xylene	J 3.70
o-Xylene	< 4.44

ELAP Number 10958 Method: EPA 8260B Data File: V95709.D

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Turnkey Environmental

Client Job Site:	348 Langner Road Site	**Lab Project Number:**	12:1226
		Lab Sample Number:	12:1226-18
Client Job Number:	012-005-102		
Field Location:	SB-27 (1-3)	**Date Sampled:**	03/20/2012
Field ID Number:	N/A	**Date Received:**	03/22/2012
Sample Type:	Soil	**Date Analyzed:**	03/27/2012

Compound	Results in ug / Kg
n-Butylbenzene	< 4.44
sec-Butylbenzene	< 4.44
tert-Butylbenzene	< 4.44
p-Isopropyltoluene	< 4.44
Naphthalene	< 11.1

Compound	Results in ug / Kg
n-Propylbenzene	< 4.44
1,2,4-Trimethylbenzene	J 2.31
1,3,5-Trimethylbenzene	J 3.23

ELAP Number 10958 Method: EPA 8260B Data File: V95709.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 012-005-102
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: Soil LRB 03/26
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 03/27/2012

Compound	Results in ug / Kg
Acetone	24.8
Benzene	< 4.00
Bromochloromethane	< 10.0
Bromodichloromethane	< 4.00
Bromoform	< 10.0
Bromomethane	< 4.00
2-Butanone	< 20.0
Carbon disulfide	< 4.00
Carbon Tetrachloride	< 4.00
Chlorobenzene	< 4.00
Chloroethane	< 4.00
Chloroform	< 4.00
Chloromethane	< 4.00
Cyclohexane	< 20.0
Dibromochloromethane	< 4.00
1,2-Dibromo-3-Chloropropane	< 20.0
1,2-Dibromoethane	< 4.00
1,2-Dichlorobenzene	< 4.00
1,3-Dichlorobenzene	< 4.00
1,4-Dichlorobenzene	< 4.00
Dichlorodifluoromethane	< 4.00
1,1-Dichloroethane	< 4.00
1,2-Dichloroethane	< 4.00
1,1-Dichloroethene	< 4.00
cis-1,2-Dichloroethene	< 4.00
trans-1,2-Dichloroethene	< 4.00

Compound	Results in ug / Kg
1,2-Dichloropropane	< 4.00
cis-1,3-Dichloropropene	< 4.00
trans-1,3-Dichloropropene	< 4.00
1,4-Dioxane	< 40.0
Ethylbenzene	< 4.00
Freon 113	< 4.00
2-Hexanone	< 10.0
Isopropylbenzene	< 4.00
Methyl acetate	< 4.00
Methyl tert-butyl Ether	< 4.00
Methylcyclohexane	< 4.00
Methylene chloride	< 10.0
4-Methyl-2-pentanone	< 10.0
Styrene	< 10.0
1,1,2,2-Tetrachloroethane	< 4.00
Tetrachloroethene	< 4.00
Toluene	< 4.00
1,2,3-Trichlorobenzene	< 10.0
1,2,4-Trichlorobenzene	< 10.0
1,1,1-Trichloroethane	< 4.00
1,1,2-Trichloroethane	< 4.00
Trichloroethene	< 4.00
Trichlorofluoromethane	< 4.00
Vinyl chloride	< 4.00
m,p-Xylene	< 4.00
o-Xylene	< 4.00

ELAP Number 10958 Method: EPA 8260B Data File: V95696.D

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 012-005-102
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: Soil LRB 03/26

Date Sampled: N/A
Date Received: N/A
Date Analyzed: 03/27/2012

Compound	Results in ug / Kg
n-Butylbenzene	< 4.00
sec-Butylbenzene	< 4.00
tert-Butylbenzene	< 4.00
p-Isopropyltoluene	< 4.00
Naphthalene	< 10.0

Compound	Results in ug / Kg
n-Propylbenzene	< 4.00
1,2,4-Trimethylbenzene	< 4.00
1,3,5-Trimethylbenzene	< 4.00

ELAP Number 10958 Method: EPA 8260B Data File: V95696.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 012-005-102
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: Soil LRB 03/27

Date Sampled: N/A
Date Received: N/A
Date Analyzed: 03/27/2012

Compound	Results in ug / Kg
Acetone	J 11.3
Benzene	< 4.00
Bromochloromethane	< 10.0
Bromodichloromethane	< 4.00
Bromoform	< 10.0
Bromomethane	< 4.00
2-Butanone	< 20.0
Carbon disulfide	< 4.00
Carbon Tetrachloride	< 4.00
Chlorobenzene	< 4.00
Chloroethane	< 4.00
Chloroform	< 4.00
Chloromethane	< 4.00
Cyclohexane	< 20.0
Dibromochloromethane	< 4.00
1,2-Dibromo-3-Chloropropane	< 20.0
1,2-Dibromoethane	< 4.00
1,2-Dichlorobenzene	< 4.00
1,3-Dichlorobenzene	< 4.00
1,4-Dichlorobenzene	< 4.00
Dichlorodifluoromethane	< 4.00
1,1-Dichloroethane	< 4.00
1,2-Dichloroethane	< 4.00
1,1-Dichloroethene	< 4.00
cis-1,2-Dichloroethene	< 4.00
trans-1,2-Dichloroethene	< 4.00

Compound	Results in ug / Kg
1,2-Dichloropropane	< 4.00
cis-1,3-Dichloropropene	< 4.00
trans-1,3-Dichloropropene	< 4.00
1,4-Dioxane	< 40.0
Ethylbenzene	< 4.00
Freon 113	< 4.00
2-Hexanone	< 10.0
Isopropylbenzene	< 4.00
Methyl acetate	< 4.00
Methyl tert-butyl Ether	< 4.00
Methylcyclohexane	< 4.00
Methylene chloride	< 10.0
4-Methyl-2-pentanone	< 10.0
Styrene	< 10.0
1,1,2,2-Tetrachloroethane	< 4.00
Tetrachloroethene	< 4.00
Toluene	< 4.00
1,2,3-Trichlorobenzene	< 10.0
1,2,4-Trichlorobenzene	< 10.0
1,1,1-Trichloroethane	< 4.00
1,1,2-Trichloroethane	< 4.00
Trichloroethene	< 4.00
Trichlorofluoromethane	< 4.00
Vinyl chloride	< 4.00
m,p-Xylene	< 4.00
o-Xylene	< 4.00

ELAP Number 10958 Method: EPA 8260B Data File: V95708.D

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 012-005-102
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1226
Lab Sample Number: Soil LRB 03/27

Date Sampled: N/A
Date Received: N/A
Date Analyzed: 03/27/2012

Compound	Results in ug / Kg
n-Butylbenzene	< 4.00
sec-Butylbenzene	< 4.00
tert-Butylbenzene	< 4.00
p-Isopropyltoluene	< 4.00
Naphthalene	< 10.0

Compound	Results in ug / Kg
n-Propylbenzene	< 4.00
1,2,4-Trimethylbenzene	< 4.00
1,3,5-Trimethylbenzene	< 4.00

ELAP Number 10958 Method: EPA 8260B Data File: V95708.D

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC.

REPORT TO:		INVOICE TO:	
COMPANY:	TurnKey Environmental Restoration, LLC	COMPANY:	Same
ADDRESS:	2558 Hamburg Turnpike	ADDRESS:	
CITY:	Buffalo STATE: NY ZIP: 14218	CITY:	STATE: ZIP:
PHONE:	716-856-0635 FAX: 716-856-0583	PHONE:	FAX:
ATTN:	Mike Lesakowski	ATTN:	
COMMENTS:			

LAB PROJECT #: 12:1226

CLIENT PROJECT #: 0123-005-102

TURNAROUND TIME: (WORKING DAYS) STD: ☐ 1 ☐ 2 ☐ 3 ☐ 5 OTHER: 10

Quotation #

PROJECT NAME/SITE NAME: 348 Langner Road Site

per JH/JD 3/21 EAH 3/22

REQUESTED ANALYSIS

ASP Cat B

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	TCL PCBs	TCL+STARS VOC	TCL SVOC	TAL Metals	PCBs	Pest	Herb	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	3/19/12	9:45		X	SB-10 (8-10)	Soil	1			X					Report 8270 ABN ASP2008 List, 8260 TCL+★ ASP2008 Per JH/JD 3/20. EAH 3/20	01
2		10:30			SB 11 (8-10)		1			X						02
3		12:00			SB 12 (8-10)		4		X	X	X	X	X	X		03
4		12:20			SB-13 (0-3)		4		X	X	X	X	X	X	→ MS, MSD on SB-13 per V. Miller 3/22 EAH 3/22	04
5		13:10			SB-14 (10-12')		1			X						05
6		13:40			SB-15 (2-4')		2		X	X					3-26-12	06
7		14:20			SB-16 (0-2')		1			X					CPC JH, TCN	07
8		15:00			SB-17 (8-10')		1			X					added to SB12	08
9		1545			SB-20 (5-7')		1			X					(8-10), SB-3 (0-3)	09
10		16:15		✓	SB-19 (1-3')	✓	2		X	X					SB-23 (1-3) & SB-24 (4-6) Paragon 1000	10

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Comments:		
Preservation: N/A	Y ☐	N ☐
Comments:		
Holding Time:	Y ☒	N ☐
Comments:		
Temperature:	Y ☒	N ☐
Comments: 1°C iced temp blk @1245 3/22		

Sampled By — Date/Time: 3/19/12

Relinquished By — Date/Time: 21 Mar 2012

Received By — Date/Time: 3/21/12

Received @ Lab By: Elizabeth A. Honch — Date/Time: 3/22/12 1530

Total Cost:

P.I.F.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC.

REPORT TO:		INVOICE TO:	
COMPANY:	TurnKey Environmental Restoration, LLC	COMPANY:	Same
ADDRESS:	2558 Hamburg Turnpike	ADDRESS:	
CITY:	Buffalo STATE: NY ZIP: 14218	CITY:	STATE: ZIP:
PHONE:	716-856-0635 FAX: 716-856-0583	PHONE:	FAX:
ATTN:	Mike Lesakowski	ATTN:	
COMMENTS:			

LAB PROJECT #: 12:1226

CLIENT PROJECT #: 0123-005-102

TURNAROUND TIME: (WORKING DAYS) STD OTHER

☐ 1 ☐ 2 ☐ 3 ☒ 5 ☐

Quotation # see p.1

PROJECT NAME/SITE NAME: 348 Langner Road Site

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	TCL SVOCs	TCL + Short VOC	TAL Metals	PCBs	Pest / Herb	I/C/R	TCLP VOC	TCLP SVOC	TCLP Metals	REMARKS	PARADIGM LAB SAMPLE NUMBER
																	3-26-12	
1	3/19/12	17:00		X	SB-18 (5-7)	Soil	1	X									CPOC JH, TCN	1 1
2	3/20/12	7:30		X	SB-21 (5-7')	Soil	1	X									added to SB12 (8-10)	1 2
3	3/20/12	8:40		X	SB-22 (5-7')	Soil	1	X									SB-13 (0-3) SB23	1 3
4		9:23		X	SB-23 (1-3')	Soil	4	X	X	X	X	X					(1-3) + SB24	1 4
5		10:20		X	SB-24 (4-6')	Soil	4	X	X	X	X	X					(4-6) + dup 800	1 5
6		10:35		X	Waste Char 1 (4-6')	Soil	4						X	X	X	X	No Cat B → Logged in as separate Job. See 12:1219	1 6
7		11:00		X	SB-25 (5-7')	Soil	1	X										1 7
8		11:35		X	SB-26 (5-7')	Soil	1	X										1 8
9		13:15		X	Waste Char 2 (4-6)	Soil	4						X	X	X	X	No Cat B → Logged in as sep. Job. See 12:1219	
10		13:00		X	SB-27 (1-3')	Soil	2	X	X									

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Comments:		
Preservation: N/A	Y ☐	N ☐
Comments:		
Holding Time:	Y ☒	N ☐
Comments:		
Temperature:	Y ☒	N ☐
Comments: 1°C iced tempblk @ 1245 3/22		

Sampled By — Date/Time 3/20/12

Relinquished By — Date/Time 21 Mar 2012

Received By — Date/Time 3/21/12

Received @ Lab By: Elizabeth A. Honch — Date/Time 3/22/12 1530

Total Cost:

P.I.F.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

301-4

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC.

REPORT TO:		INVOICE TO:	
COMPANY:	TurnKey Environmental Restoration, LLC	COMPANY:	Same
ADDRESS:	2558 Hamburg Turnpike	ADDRESS:	
CITY:	Buffalo STATE: NY ZIP: 14218	CITY:	STATE: ZIP:
PHONE:	716-856-0635 FAX: 716-856-0583	PHONE:	FAX:
ATTN:	Mike Lesakowski	ATTN:	
COMMENTS:			

LAB PROJECT #: 12:1226

CLIENT PROJECT #: 0123-005-107

TURNAROUND TIME: (WORKING DAYS)

STD: ☐ 1 ☐ 2 ☐ 3 ☐ 5 OTHER: ☐

Quotation # see p. 1

PROJECT NAME/SITE NAME: 348 Langner Road Site

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	TCL SVOC										REMARKS	PARADIGM LAB SAMPLE NUMBER				
1	3/20/12	14:00		X	SB-28 (S-7)	Soil	1	X											1	9			
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter		NELAC Compliance	
Container Type:		Y ☒	N ☐
Comments:			
Preservation:	N/A	Y ☐	N ☐
Comments:			
Holding Time:		Y ☒	N ☐
Comments:			
Temperature:		Y ☒	N ☐
Comments:	1°C iced temp blk @ 1245 3/22		

Sampled By: Paul W Hoff — Date/Time: 3/20/12

Relinquished By: [signature] — Date/Time: 21 Mar 2012

Received By: John Hoff — Date/Time: 3/21/12

Received @ Lab By: Elizabeth A Honch — Date/Time: 3/22/12 1530

Total Cost:

P.I.F.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC.

REPORT TO:		INVOICE TO:	
COMPANY:	TurnKey Environmental Restoration, LLC	COMPANY:	Same
ADDRESS:	2558 Hamburg Turnpike	ADDRESS:	
CITY:	Buffalo STATE: NY ZIP: 14218	CITY:	STATE: ZIP:
PHONE:	716-856-0635 FAX: 716-856-0583	PHONE:	FAX:
ATTN:	Mike Lesakowski	ATTN:	
COMMENTS:			

LAB PROJECT #: 12:1226

CLIENT PROJECT #: 0123-005-102

TURNAROUND TIME: (WORKING DAYS)

STD ☐ OTHER ☐ 1 ☐ 2 ☐ 3 ☐ 5

Quotation # see p.1

PROJECT NAME/SITE NAME: 348 Langner Road Site

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	TCL SVOC									REMARKS	PARADIGM LAB SAMPLE NUMBER				
1	3-21-12	9:00		X	SB-29 (5-7')	Soil	1	X										20				
2	3-21-12	945		X	SB-30 (5-7')	Soil	1	X										21				
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Comments:		
Preservation: N/A	Y ☐	N ☐
Comments:		
Holding Time:	Y ☒	N ☐
Comments:		
Temperature:	Y ☒	N ☐
Comments: 1°C iced temp blk @1245 3/22		

Sampled By — Date/Time

Relinquished By — Date/Time 21 Mar 2012

Received By — Date/Time 3/21/12

Received @ Lab By: Elizabeth A. Honch — Date/Time 3/22/12 1530

Total Cost:

P.I.F.

PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY

H2M: ELAP ID: 10478

REPORT TO:		INVOICE TO:		
COMPANY: Paradigm Environmental		COMPANY: Same		LAB PROJECT #: / CLIENT PROJECT #:
ADDRESS:		ADDRESS:		
CITY: STATE: ZIP:		CITY: STATE: ZIP:		TURNAROUND TIME: (WORKING DAYS)
PHONE: FAX:		PHONE: FAX:		1 [ ] 2 [ ] 3 [ ] STD [X] 5 OTHER [ ]
PROJECT NAME/SITE NAME:	ATTN: Jane Daloia	ATTN: Meridith Dillman		
	COMMENTS: Please email results to khansen@paradigmenv.com and jdaloia@paradigmenv.com			Date Due: X 3/30/12 for data ec EAH 3/22

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Herb 8151	T.CYANIDE * (with CC 3/26)	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	3/19/12	12:00	1203849 001		12:1226-03	soil	1	X	X	SB-12 (8-10)	
2	↓	1220	002		04	↓	↓	↓	↓	SB-13 (0-3)	
3	3/20/12	0923	003		14	↓	↓	↓	↓	SB-23 (1-3)	
4	↓	1020	004		15	↓	↓	↓	↓	SB-24 (4-6)	
5										Do MS MSD	
6										on #04!	
7											
8											
9											
10											

Remarks: * ASP Cat B package due 4/16. * SDG closed. * Report as dry weight. *Client ADDED T.Cyanide Analysis. 3/26/12

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type: Comments: 4oz	Y [ ]	N [ ]
Preservation: Comments:	Y [ ]	N [ ]
Holding Time: Comments:	Y [ ]	N [ ]
Temperature: Comments: 5.2°C 4oz	Y [ ]	N [ ]

Client

	Date/Time
Sampled By: Elizabeth A Honch	3/22/12 1600
Relinquished By: [signature]	Date/Time
Received By:	Date/Time
Received @ Lab By: [signature]	3/23/12 10:10

Total Cost: [ ]

P.I.F. [ ]

H2M labs
575 Broad Hollow Melville, NY 11747
TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Lab No. : 1203929-001

ClientSample ID. : 12:1265-01

Sample Information...
Type : Soil

Origin:

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, New York 14608
Attn To : Jane Daloia

Collected : 3/19/2012 1:40:00 PM
Received : 3/27/2012 10:09:00 AM
Collected By CLIENT

SB-15(2-4')

Parameter(s)	Results	Qualifier	D.F.	Units		Method Number	Analyzed
2,4,5-T	< 5.9		1	µg/Kg-dry		SW8151	04/01/2012 6:44 PM
2,4,5-T	< 5.9		1	µg/Kg-dry		SW8151	04/01/2012 6:44 PM
2,4,5-TP (Silvex)	< 5.9		1	µg/Kg-dry		SW8151	04/01/2012 6:44 PM
2,4,5-TP (Silvex)	< 5.9		1	µg/Kg-dry		SW8151	04/01/2012 6:44 PM
2,4-D	< 12		1	µg/Kg-dry		SW8151	04/01/2012 6:44 PM
2,4-D	< 12		1	µg/Kg-dry		SW8151	04/01/2012 6:44 PM
Dicamba	< 3.5		1	µg/Kg-dry		SW8151	04/01/2012 6:44 PM
Dicamba	< 3.5		1	µg/Kg-dry		SW8151	04/01/2012 6:44 PM
Surr: DCAA	82.6		1	%REC	29-136	SW8151	04/01/2012 6:44 PM
Surr: DCAA	78.6		1	%REC	29-136	SW8151	04/01/2012 6:44 PM
Cyanide	< 0.59		1	mg/Kg-dry		SW9014	03/27/2012 4:24 PM
Percent Moisture	14.9	H	1	wt%		D2216	03/27/2012 3:04 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Preliminary

Date Reported :

H2M labs
575 Broad Hollow Melville, NY 11747
TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Lab No. : 1203929-002

ClientSample ID. : 12:1265-02

Sample Information...
Type : Soil

Origin:

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, New York 14608
Attn To : Jane Daloia

Collected : 3/19/2012 8:00:00 AM
Received : 3/27/2012 10:09:00 AM
Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units		Method Number	Analyzed
2,4,5-T	< 6.1		1	µg/Kg-dry		SW8151	04/01/2012 7:32 PM
2,4,5-T	< 6.1		1	µg/Kg-dry		SW8151	04/01/2012 7:32 PM
2,4,5-TP (Silvex)	< 6.1		1	µg/Kg-dry		SW8151	04/01/2012 7:32 PM
2,4,5-TP (Silvex)	< 6.1		1	µg/Kg-dry		SW8151	04/01/2012 7:32 PM
2,4-D	< 12		1	µg/Kg-dry		SW8151	04/01/2012 7:32 PM
2,4-D	< 12		1	µg/Kg-dry		SW8151	04/01/2012 7:32 PM
Dicamba	< 3.6		1	µg/Kg-dry		SW8151	04/01/2012 7:32 PM
Dicamba	< 3.6		1	µg/Kg-dry		SW8151	04/01/2012 7:32 PM
Surr: DCAA	99.4		1	%REC	29-136	SW8151	04/01/2012 7:32 PM
Surr: DCAA	96.2		1	%REC	29-136	SW8151	04/01/2012 7:32 PM
Cyanide	< 0.60		1	mg/Kg-dry		SW9014	03/27/2012 4:27 PM
Percent Moisture	17.4	H	1	wt%		D2216	03/27/2012 3:07 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Preliminary

Date Reported :

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN SOLIDS

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site

Client Job No.: 0123-005-102

Field Location: SB-15 (2-4')
Field ID No.: N/A

Lab Project No.: 12:1265
Lab Sample No.: 12:1265-01

Sample Type: Soil

Date Sampled: 03/19/2012
Date Received: 03/26/2012

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)	
Aluminum	03/30/2012	SW846 3050/6010	12700	
Antimony	03/30/2012	SW846 3050/6010	< 6.89	M
Arsenic	03/30/2012	SW846 3050/6010	7.51	M
Barium	03/30/2012	SW846 3050/6010	84.3	M
Beryllium	03/30/2012	SW846 3050/6010	1.10	DM
Cadmium	03/30/2012	SW846 3050/6010	0.784	M
Calcium	03/30/2012	SW846 3050/6010	86700	D
Chromium	03/30/2012	SW846 3050/6010	16.4	M
Cobalt	03/30/2012	SW846 3050/6010	5.18	DMJ
Copper	03/30/2012	SW846 3050/6010	23.1	
Iron	03/30/2012	SW846 3050/6010	19100	
Lead	03/30/2012	SW846 3050/6010	48.4	M
Magnesium	03/30/2012	SW846 3050/6010	10800	DM
Manganese	03/30/2012	SW846 3050/6010	631	M
Mercury	03/28/2012	SW846 7471	0.0081	JM
Nickel	03/30/2012	SW846 3050/6010	18.4	M
Potassium	03/30/2012	SW846 3050/6010	1560	
Selenium	03/30/2012	SW846 3050/6010	< 1.15	M
Silver	03/30/2012	SW846 3050/6010	< 1.15	
Sodium	03/30/2012	SW846 3050/6010	495	D
Thallium	03/30/2012	SW846 3050/6010	< 2.88	M
Vanadium	03/30/2012	SW846 3050/6010	20.9	M
Zinc	03/30/2012	SW846 3050/6010	90.1	M

ELAP ID No.:10958

Comments:

Approved By: _____
Bruce Hoogesteger, Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN SOLIDS

Client: **Turnkey Environmental**

Client Job Site: 348 Langner Road Site

Client Job No.: 0123-005-102

Field Location: Blind Dup
Field ID No.: N/A

Lab Project No.: 12:1265
Lab Sample No.: 12:1265-02

Sample Type: Soil

Date Sampled: 03/19/2012
Date Received: 03/26/2012

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Aluminum	03/30/2012	SW846 3050/6010	9220
Antimony	03/30/2012	SW846 3050/6010	< 7.16
Arsenic	03/30/2012	SW846 3050/6010	5.54
Barium	03/30/2012	SW846 3050/6010	59.8
Beryllium	03/30/2012	SW846 3050/6010	0.498 J
Cadmium	03/30/2012	SW846 3050/6010	0.444 J
Calcium	03/30/2012	SW846 3050/6010	89800
Chromium	03/30/2012	SW846 3050/6010	14.1
Cobalt	03/30/2012	SW846 3050/6010	6.09
Copper	03/30/2012	SW846 3050/6010	16.8
Iron	03/30/2012	SW846 3050/6010	17400
Lead	03/30/2012	SW846 3050/6010	8.05
Magnesium	03/30/2012	SW846 3050/6010	16800
Manganese	03/30/2012	SW846 3050/6010	322
Mercury	03/28/2012	SW846 7471	0.0160
Nickel	03/30/2012	SW846 3050/6010	18.6
Potassium	03/30/2012	SW846 3050/6010	2120
Selenium	03/30/2012	SW846 3050/6010	< 1.19
Silver	03/30/2012	SW846 3050/6010	< 1.19
Sodium	03/30/2012	SW846 3050/6010	382
Thallium	03/30/2012	SW846 3050/6010	< 2.98
Vanadium	03/30/2012	SW846 3050/6010	20.5
Zinc	03/30/2012	SW846 3050/6010	45.6

ELAP ID No.:10958

Comments:

Approved By: _____
Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site:	348 Langner Road Site	**Lab Project Number:**	12:1265
		Lab Sample Number:	12:1265-01
Client Job Number:	0123-005-102		
Field Location:	SB-15 (2-4')	**Date Sampled:**	03/19/2012
Field ID Number:	N/A	**Date Received:**	03/26/2012
Sample Type:	Soil	**Date Analyzed:**	03/28/2012

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.0337
Aroclor 1221	< 0.0337
Aroclor 1232	< 0.0337
Aroclor 1242	< 0.0337
Aroclor 1248	< 0.0337
Aroclor 1254	< 0.0337
Aroclor 1260	< 0.0337

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3550C

Comments: mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site:	348 Langner Road Site	**Lab Project Number:**	12:1265
		Lab Sample Number:	12:1265-02
Client Job Number:	0123-005-102		
Field Location:	Blind Dup	**Date Sampled:**	03/19/2012
Field ID Number:	N/A	**Date Received:**	03/26/2012
Sample Type:	Soil	**Date Analyzed:**	03/28/2012

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.0351
Aroclor 1221	< 0.0351
Aroclor 1232	< 0.0351
Aroclor 1242	< 0.0351
Aroclor 1248	< 0.0351
Aroclor 1254	< 0.0351
Aroclor 1260	< 0.0351

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3550C

Comments: mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site:	348 Langner Road Site	**Lab Project Number:**	12:1265
		Lab Sample Number:	12:1265-01
Client Job Number:	0123-005-102		
Field Location:	SB-15 (2-4')	**Date Sampled:**	03/19/2012
Field ID Number:	N/A	**Date Received:**	03/26/2012
Sample Type:	Soil	**Date Analyzed:**	03/28/2012

Pesticide Identification	Results in ug / Kg
Aldrin	J C 1.74
alpha-BHC	J 2.54
beta-BHC	< 3.37
delta-BHC	J 1.82
gamma-BHC	< 3.37
gamma-Chlordane	J 2.86
alpha-Chlordane	C 50.1
4,4'-DDD	< 3.37
4,4'-DDE	< 3.37
4,4'-DDT	C 5.82
Dieldrin	< 3.37
Endosulfan I	< 3.37
Endosulfan II	< 3.37
Endosulfan Sulfate	C 37.3
Endrin	J 2.86
Endrin Aldehyde	C 9.15
Endrin Ketone	C 8.15
Heptachlor	< 3.37
Heptachlor Epoxide	< 3.37
Methoxychlor	< 3.37
Toxaphene	< 16.9

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3550C

Qualifier: C denotes that the concentration differs by more than 40% between the primary and secondary columns

Comments: ug / Kg = microgram per Kilogram
Matrix Spike outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site:	348 Langner Road Site	**Lab Project Number:**	12:1265
		Lab Sample Number:	12:1265-02
Client Job Number:	0123-005-102		
Field Location:	Blind Dup	**Date Sampled:**	03/19/2012
Field ID Number:	N/A	**Date Received:**	03/26/2012
Sample Type:	Soil	**Date Analyzed:**	03/28/2012

Pesticide Identification	Results in ug / Kg
Aldrin	< 3.51
alpha-BHC	< 3.51
beta-BHC	< 3.51
delta-BHC	< 3.51
gamma-BHC	< 3.51
gamma-Chlordane	< 3.51
alpha-Chlordane	< 3.51
4,4'-DDD	< 3.51
4,4'-DDE	< 3.51
4,4'-DDT	< 3.51
Dieldrin	< 3.51
Endosulfan I	< 3.51
Endosulfan II	< 3.51
Endosulfan Sulfate	< 3.51
Endrin	< 3.51
Endrin Aldehyde	< 3.51
Endrin Ketone	< 3.51
Heptachlor	< 3.51
Heptachlor Epoxide	< 3.51
Methoxychlor	< 3.51
Toxaphene	< 17.6

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: SB-15 (2-4')
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1265
Lab Sample Number: 12:1265-01

Date Sampled: 03/19/2012
Date Received: 03/26/2012
Date Analyzed: 04/02/2012

Compound	Results in ug / Kg
Acenaphthene	J 192
Acenaphthylene	< 334
Acetophenone	< 334
Anthracene	480
Atrazine	< 334
Benzaldehyde	< 334
Benzo (a) anthracene	855
Benzo (a) pyrene	729
Benzo (b) fluoranthene	814
Benzo (g,h,i) perylene	435
Benzo (k) fluoranthene	631
Biphenyl	< 334
Bis (2-chloroethyl) ether	< 334
Bis (2-chloroethoxy) methane	< 334
Bis (2-ethylhexyl) phthalate	< 334
Bis (2-chloroisopropyl) ether	< 334
4-Bromophenyl phenyl ether	< 334
Butylbenzylphthalate	< 334
Caprolactam	< 334
Carbazole	J 272
4-Chloroaniline	< 334
4-Chloro-3-methylphenol	< 334
2-Chloronaphthalene	< 334
2-Chlorophenol	< 334
4-Chlorophenyl phenyl ether	< 334
Chrysene	1,140
1,3-Dichlorobenzene	< 334
1,4-Dichlorobenzene	< 334
1,2-Dichlorobenzene	< 334
Dibenz (a,h) anthracene	< 334
Dibenzofuran	< 334
3,3'-Dichlorobenzidine	< 334
2,4-Dichlorophenol	< 334
Diethyl phthalate	< 334
2,4-Dimethylphenol	< 334
Dimethyl phthalate	< 836

Compound	Results in ug / Kg
Di-n-butyl phthalate	< 334
4,6-Dinitro-2-methylphenol	< 836
2,4-Dinitrophenol	< 836
2,4-Dinitrotoluene	< 334
2,6-Dinitrotoluene	< 334
Di-n-octylphthalate	< 334
Fluoranthene	2,970
Fluorene	J 222
Hexachlorobenzene	< 334
Hexachlorobutadiene	< 334
Hexachlorocyclopentadiene	< 334
Hexachloroethane	< 334
Indeno (1,2,3-cd) pyrene	367
Isophorone	< 334
2-Methylnapthalene	< 334
2-Methylphenol	< 334
3&4-Methylphenol	< 334
Naphthalene	< 334
2-Nitroaniline	< 836
3-Nitroaniline	< 836
4-Nitroaniline	< 836
Nitrobenzene	< 334
2-Nitrophenol	< 334
4-Nitrophenol	< 836
N-Nitroso-di-n-propylamine	< 334
N-Nitrosodiphenylamine	< 334
Pentachlorophenol	< 836
Phenanthrene	2,670
Phenol	< 334
Pyrene	2,400
1,2,4-Trichlorobenzene	< 334
2,4,5-Trichlorophenol	< 836
2,4,6-Trichlorophenol	< 334
1,2,4,5-Tetrachlorobenzene	< 334
2,3,4,6-Tetrachlorophenol	< 334

ELAP Number 10958 | Analytical Method: EPA 8270C | Data File: S62150.D

Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram
Matrix Spike outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: Blind Dup
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1265
Lab Sample Number: 12:1265-02

Date Sampled: 03/19/2012
Date Received: 03/26/2012
Date Analyzed: 04/02/2012

Compound	Results in ug / Kg
Acenaphthene	< 351
Acenaphthylene	< 351
Acetophenone	< 351
Anthracene	< 351
Atrazine	< 351
Benzaldehyde	< 351
Benzo (a) anthracene	< 351
Benzo (a) pyrene	< 351
Benzo (b) fluoranthene	< 351
Benzo (g,h,i) perylene	< 351
Benzo (k) fluoranthene	< 351
Biphenyl	< 351
Bis (2-chloroethyl) ether	< 351
Bis (2-chloroethoxy) methane	< 351
Bis (2-ethylhexyl) phthalate	< 351
Bis (2-chloroisopropyl) ether	< 351
4-Bromophenyl phenyl ether	< 351
Butylbenzylphthalate	< 351
Caprolactam	< 351
Carbazole	< 351
4-Chloroaniline	< 351
4-Chloro-3-methylphenol	< 351
2-Chloronaphthalene	< 351
2-Chlorophenol	< 351
4-Chlorophenyl phenyl ether	< 351
Chrysene	< 351
1,3-Dichlorobenzene	< 351
1,4-Dichlorobenzene	< 351
1,2-Dichlorobenzene	< 351
Dibenz (a,h) anthracene	< 351
Dibenzofuran	< 351
3,3'-Dichlorobenzidine	< 351
2,4-Dichlorophenol	< 351
Diethyl phthalate	< 351
2,4-Dimethylphenol	< 351
Dimethyl phthalate	< 878

Compound	Results in ug / Kg
Di-n-butyl phthalate	< 351
4,6-Dinitro-2-methylphenol	< 878
2,4-Dinitrophenol	< 878
2,4-Dinitrotoluene	< 351
2,6-Dinitrotoluene	< 351
Di-n-octylphthalate	< 351
Fluoranthene	< 351
Fluorene	< 351
Hexachlorobenzene	< 351
Hexachlorobutadiene	< 351
Hexachlorocyclopentadiene	< 351
Hexachloroethane	< 351
Indeno (1,2,3-cd) pyrene	< 351
Isophorone	< 351
2-Methylnapthalene	< 351
2-Methylphenol	< 351
3&4-Methylphenol	< 351
Naphthalene	< 351
2-Nitroaniline	< 878
3-Nitroaniline	< 878
4-Nitroaniline	< 878
Nitrobenzene	< 351
2-Nitrophenol	< 351
4-Nitrophenol	< 878
N-Nitroso-di-n-propylamine	< 351
N-Nitrosodiphenylamine	< 351
Pentachlorophenol	< 878
Phenanthrene	< 351
Phenol	< 351
Pyrene	< 351
1,2,4-Trichlorobenzene	< 351
2,4,5-Trichlorophenol	< 878
2,4,6-Trichlorophenol	< 351
1,2,4,5-Tetrachlorobenzene	< 351
2,3,4,6-Tetrachlorophenol	< 351

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S62153.D
Prep Method: EPA 3550C

Comments: ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: SB-15 (2-4')
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1265
Lab Sample Number: 12:1265-01

Date Sampled: 03/19/2012
Date Received: 03/26/2012
Date Analyzed: 03/27/2012

Compound	Results in ug / Kg
Acetone	B 53.3
Benzene	< 3.61
Bromochloromethane	< 9.03
Bromodichloromethane	< 3.61
Bromoform	< 9.03
Bromomethane	< 3.61
2-Butanone	< 18.1
Carbon disulfide	6.80
Carbon Tetrachloride	< 3.61
Chlorobenzene	< 3.61
Chloroethane	< 3.61
Chloroform	< 3.61
Chloromethane	< 3.61
Cyclohexane	< 18.1
Dibromochloromethane	< 3.61
1,2-Dibromo-3-Chloropropane	< 18.1
1,2-Dibromoethane	< 3.61
1,2-Dichlorobenzene	< 3.61
1,3-Dichlorobenzene	< 3.61
1,4-Dichlorobenzene	< 3.61
Dichlorodifluoromethane	< 3.61
1,1-Dichloroethane	< 3.61
1,2-Dichloroethane	< 3.61
1,1-Dichloroethene	< 3.61
cis-1,2-Dichloroethene	< 3.61
trans-1,2-Dichloroethene	< 3.61

Compound	Results in ug / Kg
1,2-Dichloropropane	< 3.61
cis-1,3-Dichloropropene	< 3.61
trans-1,3-Dichloropropene	< 3.61
1,4-Dioxane	< 36.1
Ethylbenzene	< 3.61
Freon 113	< 3.61
2-Hexanone	< 9.03
Isopropylbenzene	< 3.61
Methyl acetate	< 3.61
Methyl tert-butyl Ether	< 3.61
Methylcyclohexane	7.68
Methylene chloride	< 9.03
4-Methyl-2-pentanone	< 9.03
Styrene	< 9.03
1,1,2,2-Tetrachloroethane	< 3.61
Tetrachloroethene	< 3.61
Toluene	J 2.72
1,2,3-Trichlorobenzene	< 9.03
1,2,4-Trichlorobenzene	< 9.03
1,1,1-Trichloroethane	< 3.61
1,1,2-Trichloroethane	< 3.61
Trichloroethene	< 3.61
Trichlorofluoromethane	< 3.61
Vinyl chloride	< 3.61
m,p-Xylene	3.98
o-Xylene	J 2.07

ELAP Number 10958 Method: EPA 8260B Data File: V95712.D

Comments: ug / Kg = microgram per Kilogram
Matrix Spike outliers indicate probable matrix interference

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Turnkey Environmental

Client Job Site:	348 Langner Road Site	**Lab Project Number:**	12:1265
		Lab Sample Number:	12:1265-01
Client Job Number:	0123-005-102		
Field Location:	SB-15 (2-4')	**Date Sampled:**	03/19/2012
Field ID Number:	N/A	**Date Received:**	03/26/2012
Sample Type:	Soil	**Date Analyzed:**	03/27/2012

Compound	Results in ug / Kg
n-Butylbenzene	4.09
sec-Butylbenzene	J 2.42
tert-Butylbenzene	< 3.61
p-Isopropyltoluene	< 3.61
Naphthalene	J 7.23

Compound	Results in ug / Kg
n-Propylbenzene	J 3.46
1,2,4-Trimethylbenzene	4.29
1,3,5-Trimethylbenzene	< 3.61

ELAP Number 10958 Method: EPA 8260B Data File: V95712.D

Comments: ug / Kg = microgram per Kilogram
Matrix Spike outliers indicate probable matrix interference

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Turnkey Environmental

Client Job Site: 348 Langner Road Site
Client Job Number: 0123-005-102
Field Location: Blind Dup
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 12:1265
Lab Sample Number: 12:1265-02

Date Sampled: 03/19/2012
Date Received: 03/26/2012
Date Analyzed: 03/27/2012

Compound	Results in ug / Kg
Acetone	< 15.6
Benzene	< 3.11
Bromochloromethane	< 7.78
Bromodichloromethane	< 3.11
Bromoform	< 7.78
Bromomethane	< 3.11
2-Butanone	< 15.6
Carbon disulfide	< 3.11
Carbon Tetrachloride	< 3.11
Chlorobenzene	< 3.11
Chloroethane	< 3.11
Chloroform	< 3.11
Chloromethane	< 3.11
Cyclohexane	< 15.6
Dibromochloromethane	< 3.11
1,2-Dibromo-3-Chloropropane	< 15.6
1,2-Dibromoethane	< 3.11
1,2-Dichlorobenzene	< 3.11
1,3-Dichlorobenzene	< 3.11
1,4-Dichlorobenzene	< 3.11
Dichlorodifluoromethane	< 3.11
1,1-Dichloroethane	< 3.11
1,2-Dichloroethane	< 3.11
1,1-Dichloroethene	< 3.11
cis-1,2-Dichloroethene	< 3.11
trans-1,2-Dichloroethene	< 3.11

Compound	Results in ug / Kg
1,2-Dichloropropane	< 3.11
cis-1,3-Dichloropropene	< 3.11
trans-1,3-Dichloropropene	< 3.11
1,4-Dioxane	< 31.1
Ethylbenzene	< 3.11
Freon 113	< 3.11
2-Hexanone	< 7.78
Isopropylbenzene	< 3.11
Methyl acetate	< 3.11
Methyl tert-butyl Ether	< 3.11
Methylcyclohexane	< 3.11
Methylene chloride	< 7.78
4-Methyl-2-pentanone	< 7.78
Styrene	< 7.78
1,1,2,2-Tetrachloroethane	< 3.11
Tetrachloroethene	< 3.11
Toluene	< 3.11
1,2,3-Trichlorobenzene	< 7.78
1,2,4-Trichlorobenzene	< 7.78
1,1,1-Trichloroethane	< 3.11
1,1,2-Trichloroethane	< 3.11
Trichloroethene	< 3.11
Trichlorofluoromethane	< 3.11
Vinyl chloride	< 3.11
m,p-Xylene	< 3.11
o-Xylene	< 3.11

ELAP Number 10958 Method: EPA 8260B Data File: V95713.D

Comments: ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

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

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Turnkey Environmental

Client Job Site:	348 Langner Road Site	**Lab Project Number:**	12:1265
		Lab Sample Number:	12:1265-02
Client Job Number:	0123-005-102		
Field Location:	Blind Dup	**Date Sampled:**	03/19/2012
Field ID Number:	N/A	**Date Received:**	03/26/2012
Sample Type:	Soil	**Date Analyzed:**	03/27/2012

Compound	Results in ug / Kg
n-Butylbenzene	< 3.11
sec-Butylbenzene	< 3.11
tert-Butylbenzene	< 3.11
p-Isopropyltoluene	< 3.11
Naphthalene	< 7.78

Compound	Results in ug / Kg
n-Propylbenzene	< 3.11
1,2,4-Trimethylbenzene	< 3.11
1,3,5-Trimethylbenzene	< 3.11

ELAP Number 10958 Method: EPA 8260B Data File: V95713.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM
ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:	
COMPANY:	TurnKey Environmental Restoration, LLC	COMPANY:	Same
ADDRESS:	2558 Hamburg Turnpike	ADDRESS:	
CITY:	Buffalo STATE: NY ZIP: 14218	CITY:	STATE: ZIP:
PHONE:	716-856-0635 FAX: 716-856-0583	PHONE:	FAX:
ATTN:	Mike Lesakowski	ATTN:	
COMMENTS:			

LAB PROJECT #: 12:1265
CLIENT PROJECT #: 0123-005-102

TURNAROUND TIME: (WORKING DAYS)

STD: ☐ 1 ☐ 2 ☐ 3 ☐ 5 OTHER: 10

Quotation # per JH 3/26. EAH 3/26

PROJECT NAME/SITE NAME:
0123-005-104
348 Langner Road Site

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	TCL+Store VOC	TCL SVOC	TAL Metals	PCB	PST	Herb	REMARKS	PARADIGM LAB SAMPLE NUMBER
														ASP Cat B per JH 3/26. Report 8260 TCL+★ ASP 2008, 8270 ABN ASP 2008, per client history. Report Total Cyanide per JD/JH 3/26. EAH 3/26.	
1	3/19/12	13:40		X	SB-15 (2-4') MS	Soil	4	X	X	X	X	X	X		01
2	3/19/12	13:40		X	SB-15 (2-4') MSD	"	4	X	X	X	X	X	X		
3	3/19/12	8:00		X	Blind ~~S~~ Dup	"	4	X	X	X	X	X	X		02
4															
5															
6															
7															
8															
9															
10															

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Comments:		
Preservation: N/A	Y ☐	N ☐
Comments:		
Holding Time:	Y ☒	N ☐
Comments:		
Temperature:	Y ☒	N ☐
Comments: 5°C iced-from samples @ 1250 3/26/12		

Cooler Rec'd without custody seals. EAH 3/26

Sampled By	3/19/12 Date/Time	Total Cost:
Relinquished By	3/23/12 Date/Time	
Received By	3/23/12 1345 Date/Time	P.I.F.
Elizabeth A Honcle	3/26/12 1430 Date/Time	
Received @ Lab By		

775 Lake Avenue, Rochester, NY 14613 Office (585) 647-2530 Fax (585) 647-3311

1021

CHAIN OF CUSTODY

H2M: ELAP ID: 10478

PARADIGM ENVIRONMENTAL SERVICES, INC.

REPORT TO:		INVOICE TO:			
COMPANY:	Paradigm Environmental	COMPANY:	Same	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:		ADDRESS:			
CITY: STATE: ZIP:		CITY: STATE: ZIP:		TURNAROUND TIME: (WORKING DAYS)	
PHONE: FAX:		PHONE: FAX:		STD / OTHER	
PROJECT NAME/SITE NAME:		ATTN:	Jane Daloia	ATTN:	Meridith Dillman
		COMMENTS:	Please email results to khansen@paradigmenv.com and jdaloia@paradigmenv.com		

1 2 3 X 5

Date Due: 4/3/12 for data!

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	Herbicide 8151	T. cyanide								REMARKS	PARADIGM LAB SAMPLE NUMBER
																	(Cat B) ASP package due 4/8 18/12 SD61226 (now closed). Report as dry weight. SW-846 HTs. ee EAH 3/26	
1	3/19/12	1340	1203929 01		12:1265-01	soil	1	X	X								SB-15 (2-4')	
2	↓	0800	↓ 02		↓ 02	↓	↓	X	X								Blind Dup	
3																		
4																	Do MS, MSD 1265-01 on sample # 01.	
5																		
6																		
7																		
8																		
9																		
10																		

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type: 4oz.	Y ☐	N ☐
Comments:		
Preservation:	Y ☐	N ☐
Comments:		
Holding Time:	Y ☐	N ☐
Comments:		
Temperature: 4°C	Y ☐	N ☐
Comments:		

Client

Sampled By: Elizabeth A Honcle Date/Time: 3/26/12 1600

Relinquished By: Date/Time:

Received By: Date/Time: 3/27/12 10:09

Received @ Lab By: Date/Time:

Total Cost:

P.I.F.

Samples were: Shipped X or Hand Delivered Airbill#

✓ 2. Ambient or Chilled Temp: 4°C

COC Tape was:

✓ Present on outer package Y___ N X

✓ Unbroken on outer package: Y___ N___ N/A

7982 1105 4630

H 2 M labs
575 Broad Hollow Melville, NY 11747
TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Lab No. : 1203A26-001

ClientSample ID. : MW-1

Sample Information...
Type : Groundwater

Origin:

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, New York 14608
Attn To : Jane Daloia

Collected : 3/27/2012 10:20:00 AM
Received : 3/29/2012 10:01:00 AM
Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units		Method Number	Analyzed
2,4,5-T	< 0.25		1	µg/L		SW8151	04/05/2012 8:56 PM
2,4,5-T	< 0.25		1	µg/L		SW8151	04/05/2012 8:56 PM
2,4,5-TP (Silvex)	< 0.25	s	1	µg/L		SW8151	04/05/2012 8:56 PM
2,4,5-TP (Silvex)	< 0.25	s	1	µg/L		SW8151	04/05/2012 8:56 PM
2,4-D	< 0.50		1	µg/L		SW8151	04/05/2012 8:56 PM
2,4-D	< 0.50		1	µg/L		SW8151	04/05/2012 8:56 PM
Dicamba	< 0.15	s	1	µg/L		SW8151	04/05/2012 8:56 PM
Dicamba	< 0.15	s	1	µg/L		SW8151	04/05/2012 8:56 PM
Dinoseb	< 0.20		1	µg/L		SW8151	04/05/2012 8:56 PM
Dinoseb	< 0.20		1	µg/L		SW8151	04/05/2012 8:56 PM
Surr: DCAA	58.8		1	%REC	36-121	SW8151	04/05/2012 8:56 PM
Surr: DCAA	59.6		1	%REC	36-121	SW8151	04/05/2012 8:56 PM
Cyanide	< 10		1	µg/L		SM4500-CN E	04/02/2012 2:11 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Preliminary

Date Reported :

H 2 M labs
575 Broad Hollow Melville, NY 11747
TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Lab No. : 1203A26-002

ClientSample ID. : MW-2

Sample Information...
Type : Groundwater

Origin:

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, New York 14608
Attn To : Jane Daloia

Collected : 3/27/2012 10:55:00 AM
Received : 3/29/2012 10:01:00 AM
Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units		Method Number	Analyzed
2,4,5-T	< 0.25		1	µg/L		SW8151	04/05/2012 9:12 PM
2,4,5-T	< 0.25		1	µg/L		SW8151	04/05/2012 9:12 PM
2,4,5-TP (Silvex)	< 0.25	s	1	µg/L		SW8151	04/05/2012 9:12 PM
2,4,5-TP (Silvex)	< 0.25	s	1	µg/L		SW8151	04/05/2012 9:12 PM
2,4-D	0.61	P	1	µg/L		SW8151	04/05/2012 9:12 PM
2,4-D	0.31	JP	1	µg/L		SW8151	04/05/2012 9:12 PM
Dicamba	< 0.15	s	1	µg/L		SW8151	04/05/2012 9:12 PM
Dicamba	< 0.15	s	1	µg/L		SW8151	04/05/2012 9:12 PM
Dinoseb	< 0.20		1	µg/L		SW8151	04/05/2012 9:12 PM
Dinoseb	< 0.20		1	µg/L		SW8151	04/05/2012 9:12 PM
Surr: DCAA	73.8		1	%REC	36-121	SW8151	04/05/2012 9:12 PM
Surr: DCAA	70.7		1	%REC	36-121	SW8151	04/05/2012 9:12 PM
Cyanide	< 10		1	µg/L		SM4500-CN E	04/02/2012 2:12 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Preliminary

Date Reported :

H 2 M labs
575 Broad Hollow Melville, NY 11747
TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Lab No. : 1203A26-003

ClientSample ID. : MW-3

Sample Information...
Type : Groundwater

Origin:

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, New York 14608
Attn To : Jane Daloia

Collected : 3/27/2012 2:40:00 PM
Received : 3/29/2012 10:01:00 AM
Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units		Method Number	Analyzed
2,4,5-T	< 0.25		1	µg/L		SW8151	04/05/2012 9:28 PM
2,4,5-T	< 0.25		1	µg/L		SW8151	04/05/2012 9:28 PM
2,4,5-TP (Silvex)	< 0.25	s	1	µg/L		SW8151	04/05/2012 9:28 PM
2,4,5-TP (Silvex)	< 0.25	s	1	µg/L		SW8151	04/05/2012 9:28 PM
2,4-D	< 0.50		1	µg/L		SW8151	04/05/2012 9:28 PM
2,4-D	< 0.50		1	µg/L		SW8151	04/05/2012 9:28 PM
Dicamba	< 0.15	s	1	µg/L		SW8151	04/05/2012 9:28 PM
Dicamba	< 0.15	s	1	µg/L		SW8151	04/05/2012 9:28 PM
Dinoseb	< 0.20		1	µg/L		SW8151	04/05/2012 9:28 PM
Dinoseb	< 0.20		1	µg/L		SW8151	04/05/2012 9:28 PM
Surr: DCAA	53.1		1	%REC	36-121	SW8151	04/05/2012 9:28 PM
Surr: DCAA	52.9		1	%REC	36-121	SW8151	04/05/2012 9:28 PM
Cyanide	< 10		1	µg/L		SM4500-CN E	04/02/2012 2:13 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Date Reported :

H 2 M labs
575 Broad Hollow Melville, NY 11747
TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Lab No. : 1203A26-004

ClientSample ID. : MW-4

Sample Information...
Type : Groundwater

Origin:

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, New York 14608
Attn To : Jane Daloia

Collected : 3/27/2012 2:10:00 PM
Received : 3/29/2012 10:01:00 AM
Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units		Method Number	Analyzed
2,4,5-T	< 0.25		1	µg/L		SW8151	04/05/2012 9:44 PM
2,4,5-T	< 0.25		1	µg/L		SW8151	04/05/2012 9:44 PM
2,4,5-TP (Silvex)	< 0.25	s	1	µg/L		SW8151	04/05/2012 9:44 PM
2,4,5-TP (Silvex)	< 0.25	s	1	µg/L		SW8151	04/05/2012 9:44 PM
2,4-D	< 0.50		1	µg/L		SW8151	04/05/2012 9:44 PM
2,4-D	< 0.50		1	µg/L		SW8151	04/05/2012 9:44 PM
Dicamba	< 0.15	s	1	µg/L		SW8151	04/05/2012 9:44 PM
Dicamba	< 0.15	s	1	µg/L		SW8151	04/05/2012 9:44 PM
Dinoseb	< 0.20		1	µg/L		SW8151	04/05/2012 9:44 PM
Dinoseb	< 0.20		1	µg/L		SW8151	04/05/2012 9:44 PM
Surr: DCAA	49.7		1	%REC	36-121	SW8151	04/05/2012 9:44 PM
Surr: DCAA	46.0		1	%REC	36-121	SW8151	04/05/2012 9:44 PM
Cyanide	34		1	µg/L		SM4500-CN E	04/02/2012 2:14 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Date Reported :

H 2 M labs
575 Broad Hollow Melville, NY 11747
TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Lab No. : 1203A26-005

ClientSample ID. : MW-5

Sample Information...
Type : Groundwater

Origin:

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, New York 14608
Attn To : Jane Daloia

Collected : 3/27/2012 1:45:00 PM
Received : 3/29/2012 10:01:00 AM
Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units		Method Number	Analyzed
2,4,5-T	< 0.25		1	µg/L		SW8151	04/05/2012 9:59 PM
2,4,5-T	< 0.25		1	µg/L		SW8151	04/05/2012 9:59 PM
2,4,5-TP (Silvex)	< 0.25	s	1	µg/L		SW8151	04/05/2012 9:59 PM
2,4,5-TP (Silvex)	< 0.25	s	1	µg/L		SW8151	04/05/2012 9:59 PM
2,4-D	< 0.50		1	µg/L		SW8151	04/05/2012 9:59 PM
2,4-D	< 0.50		1	µg/L		SW8151	04/05/2012 9:59 PM
Dicamba	< 0.15	s	1	µg/L		SW8151	04/05/2012 9:59 PM
Dicamba	< 0.15	s	1	µg/L		SW8151	04/05/2012 9:59 PM
Dinoseb	< 0.20		1	µg/L		SW8151	04/05/2012 9:59 PM
Dinoseb	< 0.20		1	µg/L		SW8151	04/05/2012 9:59 PM
Surr: DCAA	67.7		1	%REC	36-121	SW8151	04/05/2012 9:59 PM
Surr: DCAA	67.4		1	%REC	36-121	SW8151	04/05/2012 9:59 PM
Cyanide	< 10		1	µg/L		SM4500-CN E	04/02/2012 2:15 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Date Reported :

H 2 M labs
575 Broad Hollow Melville, NY 11747
TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Lab No. : 1203A26-006

ClientSample ID. : MW-6

Sample Information...
Type : Groundwater

Origin:

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, New York 14608
Attn To : Jane Daloia

Collected : 3/27/2012 11:40:00 AM
Received : 3/29/2012 10:01:00 AM
Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units		Method Number	Analyzed
2,4,5-T	< 0.25		1	µg/L		SW8151	04/05/2012 10:15 PM
2,4,5-T	< 0.25		1	µg/L		SW8151	04/05/2012 10:15 PM
2,4,5-TP (Silvex)	< 0.25	s	1	µg/L		SW8151	04/05/2012 10:15 PM
2,4,5-TP (Silvex)	< 0.25	s	1	µg/L		SW8151	04/05/2012 10:15 PM
2,4-D	< 0.50		1	µg/L		SW8151	04/05/2012 10:15 PM
2,4-D	< 0.50		1	µg/L		SW8151	04/05/2012 10:15 PM
Dicamba	< 0.15	s	1	µg/L		SW8151	04/05/2012 10:15 PM
Dicamba	< 0.15	s	1	µg/L		SW8151	04/05/2012 10:15 PM
Dinoseb	< 0.20		1	µg/L		SW8151	04/05/2012 10:15 PM
Dinoseb	< 0.20		1	µg/L		SW8151	04/05/2012 10:15 PM
Surr: DCAA	50.3		1	%REC	36-121	SW8151	04/05/2012 10:15 PM
Surr: DCAA	48.6		1	%REC	36-121	SW8151	04/05/2012 10:15 PM
Cyanide	9.3	J	1	µg/L		SM4500-CN E	04/02/2012 2:16 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Preliminary

Date Reported :

H 2 M labs
575 Broad Hollow Melville, NY 11747
TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Lab No. : 1203A26-007

ClientSample ID. : MW-7

Sample Information...
Type : Groundwater

Origin:

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, New York 14608
Attn To : Jane Daloia

Collected : 3/27/2012 1:10:00 PM
Received : 3/29/2012 10:01:00 AM
Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units		Method Number	Analyzed
2,4,5-T	< 0.25		1	µg/L		SW8151	04/05/2012 10:31 PM
2,4,5-T	< 0.25		1	µg/L		SW8151	04/05/2012 10:31 PM
2,4,5-TP (Silvex)	< 0.25	s	1	µg/L		SW8151	04/05/2012 10:31 PM
2,4,5-TP (Silvex)	< 0.25	s	1	µg/L		SW8151	04/05/2012 10:31 PM
2,4-D	< 0.50		1	µg/L		SW8151	04/05/2012 10:31 PM
2,4-D	< 0.50		1	µg/L		SW8151	04/05/2012 10:31 PM
Dicamba	< 0.15	s	1	µg/L		SW8151	04/05/2012 10:31 PM
Dicamba	< 0.15	s	1	µg/L		SW8151	04/05/2012 10:31 PM
Dinoseb	< 0.20		1	µg/L		SW8151	04/05/2012 10:31 PM
Dinoseb	< 0.20		1	µg/L		SW8151	04/05/2012 10:31 PM
Surr: DCAA	53.7		1	%REC	36-121	SW8151	04/05/2012 10:31 PM
Surr: DCAA	52.5		1	%REC	36-121	SW8151	04/05/2012 10:31 PM
Cyanide	12		1	µg/L		SM4500-CN E	04/02/2012 2:17 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Date Reported :

H 2 M labs
575 Broad Hollow Melville, NY 11747
TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Lab No. : 1203A26-008

ClientSample ID. : MW-8

Sample Information...
Type : Groundwater

Origin:

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, New York 14608
Attn To : Jane Daloia

Collected : 3/27/2012 9:20:00 AM
Received : 3/29/2012 10:01:00 AM
Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units		Method Number	Analyzed
2,4,5-T	< 0.25		1	µg/L		SW8151	04/05/2012 10:47 PM
2,4,5-T	< 0.25		1	µg/L		SW8151	04/05/2012 10:47 PM
2,4,5-TP (Silvex)	< 0.25	s	1	µg/L		SW8151	04/05/2012 10:47 PM
2,4,5-TP (Silvex)	< 0.25	s	1	µg/L		SW8151	04/05/2012 10:47 PM
2,4-D	< 0.50		1	µg/L		SW8151	04/05/2012 10:47 PM
2,4-D	< 0.50		1	µg/L		SW8151	04/05/2012 10:47 PM
Dicamba	< 0.15	s	1	µg/L		SW8151	04/05/2012 10:47 PM
Dicamba	< 0.15	s	1	µg/L		SW8151	04/05/2012 10:47 PM
Dinoseb	< 0.20		1	µg/L		SW8151	04/05/2012 10:47 PM
Dinoseb	< 0.20		1	µg/L		SW8151	04/05/2012 10:47 PM
Surr: DCAA	63.1		1	%REC	36-121	SW8151	04/05/2012 10:47 PM
Surr: DCAA	61.2		1	%REC	36-121	SW8151	04/05/2012 10:47 PM
Cyanide	< 10		1	µg/L		SM4500-CN E	04/02/2012 2:18 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Date Reported :

H 2 M labs
575 Broad Hollow Melville, NY 11747
TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Lab No. : 1203A26-009

ClientSample ID. : MW-9

Sample Information...
Type : Groundwater

Origin:

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, New York 14608
Attn To : Jane Daloia

Collected : 3/27/2012 12:10:00 PM
Received : 3/29/2012 10:01:00 AM
Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units		Method Number	Analyzed
2,4,5-T	< 0.25		1	µg/L		SW8151	04/05/2012 11:34 PM
2,4,5-T	< 0.25		1	µg/L		SW8151	04/05/2012 11:34 PM
2,4,5-TP (Silvex)	< 0.25	s	1	µg/L		SW8151	04/05/2012 11:34 PM
2,4,5-TP (Silvex)	< 0.25	s	1	µg/L		SW8151	04/05/2012 11:34 PM
2,4-D	< 0.50		1	µg/L		SW8151	04/05/2012 11:34 PM
2,4-D	< 0.50		1	µg/L		SW8151	04/05/2012 11:34 PM
Dicamba	< 0.15	s	1	µg/L		SW8151	04/05/2012 11:34 PM
Dicamba	< 0.15	s	1	µg/L		SW8151	04/05/2012 11:34 PM
Dinoseb	< 0.20		1	µg/L		SW8151	04/05/2012 11:34 PM
Dinoseb	< 0.20		1	µg/L		SW8151	04/05/2012 11:34 PM
Surr: DCAA	54.6		1	%REC	36-121	SW8151	04/05/2012 11:34 PM
Surr: DCAA	55.1		1	%REC	36-121	SW8151	04/05/2012 11:34 PM
Cyanide	14		1	µg/L		SM4500-CN E	04/02/2012 2:23 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Date Reported :

H 2 M labs
575 Broad Hollow Melville, NY 11747
TEL: 631-694-3040 FAX: 631-420-8436 NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Lab No. : 1203A26-010

ClientSample ID. : Blind Dup

Sample Information...
Type : Groundwater

Origin:

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, New York 14608
Attn To : Jane Daloia

Collected : 3/27/2012 8:00:00 AM
Received : 3/29/2012 10:01:00 AM
Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units		Method Number	Analyzed
2,4,5-T	< 0.25		1	µg/L		SW8151	04/05/2012 11:50 PM
2,4,5-T	< 0.25		1	µg/L		SW8151	04/05/2012 11:50 PM
2,4,5-TP (Silvex)	< 0.25	s	1	µg/L		SW8151	04/05/2012 11:50 PM
2,4,5-TP (Silvex)	< 0.25	s	1	µg/L		SW8151	04/05/2012 11:50 PM
2,4-D	< 0.50		1	µg/L		SW8151	04/05/2012 11:50 PM
2,4-D	< 0.50		1	µg/L		SW8151	04/05/2012 11:50 PM
Dicamba	< 0.15	s	1	µg/L		SW8151	04/05/2012 11:50 PM
Dicamba	< 0.15	s	1	µg/L		SW8151	04/05/2012 11:50 PM
Dinoseb	< 0.20		1	µg/L		SW8151	04/05/2012 11:50 PM
Dinoseb	< 0.20		1	µg/L		SW8151	04/05/2012 11:50 PM
Surr: DCAA	45.7		1	%REC	36-121	SW8151	04/05/2012 11:50 PM
Surr: DCAA	43.9		1	%REC	36-121	SW8151	04/05/2012 11:50 PM
Cyanide	< 10		1	µg/L		SM4500-CN E	04/02/2012 2:24 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Preliminary

Date Reported :

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN WATERS

Client: Turnkey Environmental

Client Job Site: 348 Langner

Client Job No.: 0123-005-104

Field Location: MW-1
Field ID No.: N/A

Lab Project No.: 12:1288
Lab Sample No.: 12:1288-01

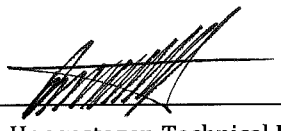
Sample Type: Water

Date Sampled: 03/27/2012
Date Received: 03/28/2012

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Aluminum	03/30/2012	SW846 3005/6010	< 0.200
Antimony	03/30/2012	SW846 3005/6010	< 0.060
Arsenic	03/30/2012	SW846 3005/6010	0.011
Barium	03/30/2012	SW846 3005/6010	0.754
Beryllium	03/30/2012	SW846 3005/6010	< 0.005
Cadmium	03/30/2012	SW846 3005/6010	< 0.005
Calcium	04/10/2012	SW846 3005/6010	748
Chromium	03/30/2012	SW846 3005/6010	< 0.010
Cobalt	03/30/2012	SW846 3005/6010	< 0.050
Copper	03/30/2012	SW846 3005/6010	< 0.025
Iron	03/30/2012	SW846 3005/6010	< 0.100
Lead	03/30/2012	SW846 3005/6010	< 0.010
Magnesium	03/30/2012	SW846 3005/6010	252
Manganese	03/30/2012	SW846 3005/6010	0.458
Mercury	03/30/2012	SW846 7470	< 0.0002
Nickel	03/30/2012	SW846 3005/6010	< 0.040
Potassium	03/30/2012	SW846 3005/6010	11.0
Selenium	03/30/2012	SW846 3005/6010	< 0.010
Silver	03/30/2012	SW846 3005/6010	< 0.010
Sodium	04/10/2012	SW846 3005/6010	2000
Thallium	03/30/2012	SW846 3005/6010	< 0.025
Vanadium	03/30/2012	SW846 3005/6010	< 0.025
Zinc	03/30/2012	SW846 3005/6010	< 0.060

ELAP ID No.:10958

Comments: Samples were filtered through a 0.45micron filter prior to digestion per client.

Approved By: 

Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN WATERS

Client: Turnkey Environmental

Client Job Site: 348 Langner

Client Job No.: 0123-005-104

Field Location: MW-2
Field ID No.: N/A

Lab Project No.: 12:1288
Lab Sample No.: 12:1288-02

Sample Type: Water

Date Sampled: 03/27/2012
Date Received: 03/28/2012

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Aluminum	03/30/2012	SW846 3005/6010	< 0.200
Antimony	03/30/2012	SW846 3005/6010	< 0.060
Arsenic	03/30/2012	SW846 3005/6010	0.008 J
Barium	03/30/2012	SW846 3005/6010	0.200
Beryllium	03/30/2012	SW846 3005/6010	< 0.005
Cadmium	03/30/2012	SW846 3005/6010	< 0.005
Calcium	03/30/2012	SW846 3005/6010	333
Chromium	03/30/2012	SW846 3005/6010	< 0.010
Cobalt	03/30/2012	SW846 3005/6010	< 0.050
Copper	03/30/2012	SW846 3005/6010	< 0.025
Iron	03/30/2012	SW846 3005/6010	< 0.100
Lead	03/30/2012	SW846 3005/6010	< 0.010
Magnesium	03/30/2012	SW846 3005/6010	112
Manganese	03/30/2012	SW846 3005/6010	0.459
Mercury	03/30/2012	SW846 7470	< 0.0002
Nickel	03/30/2012	SW846 3005/6010	< 0.040
Potassium	03/30/2012	SW846 3005/6010	5.05
Selenium	03/30/2012	SW846 3005/6010	< 0.010
Silver	03/30/2012	SW846 3005/6010	< 0.010
Sodium	04/10/2012	SW846 3005/6010	485
Thallium	03/30/2012	SW846 3005/6010	< 0.025
Vanadium	03/30/2012	SW846 3005/6010	< 0.025
Zinc	03/30/2012	SW846 3005/6010	< 0.060

ELAP ID No.:10958

Comments: Samples were filtered through a 0.45micron filter prior to digestion per client.

Approved By: _____
Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN WATERS

Client: Turnkey Environmental

Client Job Site: 348 Langner

Client Job No.: 0123-005-104

Field Location: MW-3
Field ID No.: N/A

Lab Project No.: 12:1288
Lab Sample No.: 12:1288-03

Sample Type: Water

Date Sampled: 03/27/2012
Date Received: 03/28/2012

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Aluminum	03/30/2012	SW846 3005/6010	< 0.200
Antimony	03/30/2012	SW846 3005/6010	< 0.060
Arsenic	03/30/2012	SW846 3005/6010	< 0.010
Barium	03/30/2012	SW846 3005/6010	0.083 J
Beryllium	03/30/2012	SW846 3005/6010	< 0.005
Cadmium	03/30/2012	SW846 3005/6010	< 0.005
Calcium	03/30/2012	SW846 3005/6010	236
Chromium	03/30/2012	SW846 3005/6010	< 0.010
Cobalt	03/30/2012	SW846 3005/6010	< 0.050
Copper	03/30/2012	SW846 3005/6010	< 0.025
Iron	03/30/2012	SW846 3005/6010	< 0.100
Lead	03/30/2012	SW846 3005/6010	< 0.010
Magnesium	03/30/2012	SW846 3005/6010	84.0
Manganese	03/30/2012	SW846 3005/6010	0.376
Mercury	03/30/2012	SW846 7470	< 0.0002
Nickel	03/30/2012	SW846 3005/6010	< 0.040
Potassium	03/30/2012	SW846 3005/6010	4.40
Selenium	03/30/2012	SW846 3005/6010	< 0.010
Silver	03/30/2012	SW846 3005/6010	< 0.010
Sodium	04/10/2012	SW846 3005/6010	79.0
Thallium	03/30/2012	SW846 3005/6010	< 0.025
Vanadium	03/30/2012	SW846 3005/6010	< 0.025
Zinc	03/30/2012	SW846 3005/6010	< 0.060

ELAP ID No.:10958

Comments: Samples were filtered through a 0.45micron filter prior to digestion per client.

Approved By: _____
Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN WATERS

Client: Turnkey Environmental

Client Job Site: 348 Langner

Client Job No.: 0123-005-104

Field Location: MW-4
Field ID No.: N/A

Lab Project No.: 12:1288
Lab Sample No.: 12:1288-04

Sample Type: Water

Date Sampled: 03/27/2012
Date Received: 03/28/2012

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Aluminum	03/30/2012	SW846 3005/6010	< 0.200
Antimony	03/30/2012	SW846 3005/6010	< 0.060
Arsenic	03/30/2012	SW846 3005/6010	< 0.010
Barium	03/30/2012	SW846 3005/6010	0.158
Beryllium	03/30/2012	SW846 3005/6010	< 0.005
Cadmium	03/30/2012	SW846 3005/6010	< 0.005
Calcium	03/30/2012	SW846 3005/6010	250
Chromium	03/30/2012	SW846 3005/6010	< 0.010
Cobalt	03/30/2012	SW846 3005/6010	< 0.050
Copper	03/30/2012	SW846 3005/6010	< 0.025
Iron	03/30/2012	SW846 3005/6010	< 0.100
Lead	03/30/2012	SW846 3005/6010	< 0.010
Magnesium	03/30/2012	SW846 3005/6010	91.7
Manganese	03/30/2012	SW846 3005/6010	0.406
Mercury	03/30/2012	SW846 7470	< 0.0002
Nickel	03/30/2012	SW846 3005/6010	0.023 J
Potassium	03/30/2012	SW846 3005/6010	3.78
Selenium	03/30/2012	SW846 3005/6010	< 0.010
Silver	03/30/2012	SW846 3005/6010	< 0.010
Sodium	04/10/2012	SW846 3005/6010	505
Thallium	03/30/2012	SW846 3005/6010	< 0.025
Vanadium	03/30/2012	SW846 3005/6010	< 0.025
Zinc	03/30/2012	SW846 3005/6010	< 0.060

ELAP ID No.:10958

Comments: Samples were filtered through a 0.45micron filter prior to digestion per client.

Approved By: _____
Bruce Hoogesteger, Technical Director

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

File ID:12-1288.xls

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN WATERS

Client: Turnkey Environmental

Client Job Site: 348 Langner

Client Job No.: 0123-005-104

Field Location: MW-5
Field ID No.: N/A

Lab Project No.: 12:1288
Lab Sample No.: 12:1288-05

Sample Type: Water

Date Sampled: 03/27/2012
Date Received: 03/28/2012

Parameter	Date Analyzed	Analytical Method	Result (mg/L)	
Aluminum	03/30/2012	SW846 3005/6010	< 0.200	
Antimony	03/30/2012	SW846 3005/6010	< 0.060	
Arsenic	03/30/2012	SW846 3005/6010	< 0.010	
Barium	03/30/2012	SW846 3005/6010	< 0.100	
Beryllium	03/30/2012	SW846 3005/6010	< 0.005	
Cadmium	03/30/2012	SW846 3005/6010	< 0.005	
Calcium	03/30/2012	SW846 3005/6010	119	
Chromium	03/30/2012	SW846 3005/6010	< 0.010	
Cobalt	03/30/2012	SW846 3005/6010	< 0.050	
Copper	03/30/2012	SW846 3005/6010	< 0.025	
Iron	03/30/2012	SW846 3005/6010	< 0.100	
Lead	03/30/2012	SW846 3005/6010	< 0.010	
Magnesium	03/30/2012	SW846 3005/6010	33.4	
Manganese	03/30/2012	SW846 3005/6010	1.12	
Mercury	03/30/2012	SW846 7470	< 0.0002	
Nickel	03/30/2012	SW846 3005/6010	0.031	J
Potassium	03/30/2012	SW846 3005/6010	1.68	J
Selenium	03/30/2012	SW846 3005/6010	< 0.010	
Silver	03/30/2012	SW846 3005/6010	< 0.010	
Sodium	04/10/2012	SW846 3005/6010	70.8	
Thallium	03/30/2012	SW846 3005/6010	< 0.025	
Vanadium	03/30/2012	SW846 3005/6010	< 0.025	
Zinc	03/30/2012	SW846 3005/6010	< 0.060	

ELAP ID No.:10958

Comments: Samples were filtered through a 0.45micron filter prior to digestion per client.

Approved By: _____

Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN WATERS

Client: Turnkey Environmental

Client Job Site: 348 Langner

Client Job No.: 0123-005-104

Field Location: MW-6
Field ID No.: N/A

Lab Project No.: 12:1288
Lab Sample No.: 12:1288-06

Sample Type: Water

Date Sampled: 03/27/2012
Date Received: 03/28/2012

Parameter	Date Analyzed	Analytical Method	Result (mg/L)	
Aluminum	03/30/2012	SW846 3005/6010	< 1.00	
Antimony	03/30/2012	SW846 3005/6010	< 0.300	
Arsenic	03/30/2012	SW846 3005/6010	< 0.050	
Barium	03/30/2012	SW846 3005/6010	< 0.500	
Beryllium	03/30/2012	SW846 3005/6010	< 0.025	
Cadmium	03/30/2012	SW846 3005/6010	< 0.025	
Calcium	03/30/2012	SW846 3005/6010	78.9	
Chromium	03/30/2012	SW846 3005/6010	0.007	J
Cobalt	03/30/2012	SW846 3005/6010	< 0.250	
Copper	03/30/2012	SW846 3005/6010	0.018	J
Iron	03/30/2012	SW846 3005/6010	1.72	
Lead	03/30/2012	SW846 3005/6010	< 0.050	
Magnesium	03/30/2012	SW846 3005/6010	25.7	
Manganese	03/30/2012	SW846 3005/6010	0.523	
Mercury	03/30/2012	SW846 7470	< 0.0020	
Nickel	03/30/2012	SW846 3005/6010	0.116	J
Potassium	03/30/2012	SW846 3005/6010	8.77	J
Selenium	03/30/2012	SW846 3005/6010	< 0.050	
Silver	03/30/2012	SW846 3005/6010	< 0.050	
Sodium	04/10/2012	SW846 3005/6010	380	
Thallium	03/30/2012	SW846 3005/6010	< 0.125	
Vanadium	03/30/2012	SW846 3005/6010	< 0.125	
Zinc	03/30/2012	SW846 3005/6010	0.417	

ELAP ID No.:10958

Comments: Samples were filtered through a 0.45micron filter prior to digestion per client.

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179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN WATERS

Client: Turnkey Environmental

Client Job Site: 348 Langner

Client Job No.: 0123-005-104

Field Location: MW-7
Field ID No.: N/A

Lab Project No.: 12:1288
Lab Sample No.: 12:1288-07

Sample Type: Water

Date Sampled: 03/27/2012
Date Received: 03/28/2012

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Aluminum	03/30/2012	SW846 3005/6010	0.103 J
Antimony	03/30/2012	SW846 3005/6010	< 0.060
Arsenic	03/30/2012	SW846 3005/6010	0.011
Barium	03/30/2012	SW846 3005/6010	0.183
Beryllium	03/30/2012	SW846 3005/6010	< 0.005
Cadmium	03/30/2012	SW846 3005/6010	< 0.005
Calcium	03/30/2012	SW846 3005/6010	74.7
Chromium	03/30/2012	SW846 3005/6010	< 0.010
Cobalt	03/30/2012	SW846 3005/6010	< 0.050
Copper	03/30/2012	SW846 3005/6010	< 0.025
Iron	03/30/2012	SW846 3005/6010	0.183
Lead	03/30/2012	SW846 3005/6010	0.022
Magnesium	03/30/2012	SW846 3005/6010	9.85
Manganese	03/30/2012	SW846 3005/6010	0.200
Mercury	03/30/2012	SW846 7470	< 0.0002
Nickel	03/30/2012	SW846 3005/6010	0.086
Potassium	04/06/2012	SW846 3005/6010	83.4
Selenium	03/30/2012	SW846 3005/6010	< 0.010
Silver	03/30/2012	SW846 3005/6010	< 0.010
Sodium	04/10/2012	SW846 3005/6010	7160
Thallium	03/30/2012	SW846 3005/6010	< 0.025
Vanadium	03/30/2012	SW846 3005/6010	< 0.025
Zinc	03/30/2012	SW846 3005/6010	< 0.060

ELAP ID No.:10958

Comments: Samples were filtered through a 0.45micron filter prior to digestion per client.

Approved By: _____
Bruce Hoogesteger, Technical Director

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PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN WATERS

Client: Turnkey Environmental

Client Job Site: 348 Langner

Client Job No.: 0123-005-104

Field Location: MW-8
Field ID No.: N/A

Lab Project No.: 12:1288
Lab Sample No.: 12:1288-08

Sample Type: Water

Date Sampled: 03/27/2012
Date Received: 03/28/2012

Parameter	Date Analyzed	Analytical Method	Result (mg/L)	
Aluminum	03/30/2012	SW846 3005/6010	< 0.200	
Antimony	03/30/2012	SW846 3005/6010	< 0.060	
Arsenic	03/30/2012	SW846 3005/6010	< 0.010	
Barium	03/30/2012	SW846 3005/6010	0.092	JM
Beryllium	03/30/2012	SW846 3005/6010	< 0.005	
Cadmium	03/30/2012	SW846 3005/6010	< 0.005	M
Calcium	03/30/2012	SW846 3005/6010	170	
Chromium	03/30/2012	SW846 3005/6010	< 0.010	
Cobalt	03/30/2012	SW846 3005/6010	< 0.050	M
Copper	03/30/2012	SW846 3005/6010	< 0.025	
Iron	03/30/2012	SW846 3005/6010	< 0.100	
Lead	03/30/2012	SW846 3005/6010	< 0.010	M
Magnesium	03/30/2012	SW846 3005/6010	80.3	M
Manganese	03/30/2012	SW846 3005/6010	0.768	M
Mercury	03/30/2012	SW846 7470	< 0.0002	
Nickel	03/30/2012	SW846 3005/6010	< 0.040	M
Potassium	03/30/2012	SW846 3005/6010	5.17	D
Selenium	03/30/2012	SW846 3005/6010	< 0.010	
Silver	03/30/2012	SW846 3005/6010	< 0.010	
Sodium	04/10/2012	SW846 3005/6010	491	
Thallium	03/30/2012	SW846 3005/6010	< 0.025	M
Vanadium	03/30/2012	SW846 3005/6010	< 0.025	
Zinc	03/30/2012	SW846 3005/6010	< 0.060	

ELAP ID No.:10958

Comments: Samples were filtered through a 0.45micron filter prior to digestion per client.

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LAB REPORT FOR TAL METALS ANALYSIS IN WATERS

Client: Turnkey Environmental

Client Job Site: 348 Langner

Client Job No.: 0123-005-104

Field Location: MW-9
Field ID No.: N/A

Lab Project No.: 12:1288
Lab Sample No.: 12:1288-09

Sample Type: Water

Date Sampled: 03/27/2012
Date Received: 03/28/2012

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Aluminum	03/30/2012	SW846 3005/6010	< 0.200
Antimony	03/30/2012	SW846 3005/6010	< 0.060
Arsenic	03/30/2012	SW846 3005/6010	0.008 J
Barium	03/30/2012	SW846 3005/6010	0.339
Beryllium	03/30/2012	SW846 3005/6010	< 0.005
Cadmium	03/30/2012	SW846 3005/6010	< 0.005
Calcium	03/30/2012	SW846 3005/6010	449
Chromium	03/30/2012	SW846 3005/6010	< 0.010
Cobalt	03/30/2012	SW846 3005/6010	< 0.050
Copper	03/30/2012	SW846 3005/6010	< 0.025
Iron	03/30/2012	SW846 3005/6010	0.574
Lead	03/30/2012	SW846 3005/6010	< 0.010
Magnesium	03/30/2012	SW846 3005/6010	57.8
Manganese	03/30/2012	SW846 3005/6010	1.61
Mercury	03/30/2012	SW846 7470	< 0.0002
Nickel	03/30/2012	SW846 3005/6010	0.022 J
Potassium	03/30/2012	SW846 3005/6010	22.1
Selenium	03/30/2012	SW846 3005/6010	< 0.010
Silver	03/30/2012	SW846 3005/6010	< 0.010
Sodium	04/10/2012	SW846 3005/6010	3150
Thallium	03/30/2012	SW846 3005/6010	< 0.025
Vanadium	03/30/2012	SW846 3005/6010	< 0.025
Zinc	03/30/2012	SW846 3005/6010	< 0.060

ELAP ID No.:10958

Comments: Samples were filtered through a 0.45micron filter prior to digestion per client.

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PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN WATERS

Client: Turnkey Environmental

Client Job Site: 348 Langner

Client Job No.: 0123-005-104

Field Location: Blind Dup
Field ID No.: N/A

Lab Project No.: 12:1288
Lab Sample No.: 12:1288-10

Sample Type: Water

Date Sampled: 03/27/2012
Date Received: 03/28/2012

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Aluminum	03/30/2012	SW846 3005/6010	< 0.200
Antimony	03/30/2012	SW846 3005/6010	< 0.060
Arsenic	03/30/2012	SW846 3005/6010	0.007 J
Barium	03/30/2012	SW846 3005/6010	0.193
Beryllium	03/30/2012	SW846 3005/6010	< 0.005
Cadmium	03/30/2012	SW846 3005/6010	< 0.005
Calcium	03/30/2012	SW846 3005/6010	320
Chromium	03/30/2012	SW846 3005/6010	< 0.010
Cobalt	03/30/2012	SW846 3005/6010	< 0.050
Copper	03/30/2012	SW846 3005/6010	< 0.025
Iron	03/30/2012	SW846 3005/6010	< 0.100
Lead	03/30/2012	SW846 3005/6010	< 0.010
Magnesium	03/30/2012	SW846 3005/6010	109
Manganese	03/30/2012	SW846 3005/6010	0.431
Mercury	03/30/2012	SW846 7470	< 0.0002
Nickel	03/30/2012	SW846 3005/6010	< 0.040
Potassium	03/30/2012	SW846 3005/6010	5.30
Selenium	03/30/2012	SW846 3005/6010	< 0.010
Silver	03/30/2012	SW846 3005/6010	< 0.010
Sodium	04/10/2012	SW846 3005/6010	452
Thallium	03/30/2012	SW846 3005/6010	< 0.025
Vanadium	03/30/2012	SW846 3005/6010	< 0.025
Zinc	03/30/2012	SW846 3005/6010	< 0.060

ELAP ID No.:10958

Comments: Samples were filtered through a 0.45micron filter prior to digestion per client.

Approved By: _____
Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-01
Client Job Number:	0123-005-104		
Field Location:	MW-1	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	04/02/2012

PCB Identification	Results in ug / L
Aroclor 1016	< 1.00
Aroclor 1221	< 1.00
Aroclor 1232	< 1.00
Aroclor 1242	< 1.00
Aroclor 1248	< 1.00
Aroclor 1254	< 1.00
Aroclor 1260	< 1.00

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3510C

Comments: ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-02
Client Job Number:	0123-005-104		
Field Location:	MW-2	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	04/02/2012

PCB Identification	Results in ug / L
Aroclor 1016	< 1.00
Aroclor 1221	< 1.00
Aroclor 1232	< 1.00
Aroclor 1242	< 1.00
Aroclor 1248	< 1.00
Aroclor 1254	< 1.00
Aroclor 1260	< 1.00

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3510C

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-03
Client Job Number:	0123-005-104		
Field Location:	MW-3	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	04/02/2012

PCB Identification	Results in ug / L
Aroclor 1016	< 1.00
Aroclor 1221	< 1.00
Aroclor 1232	< 1.00
Aroclor 1242	< 1.00
Aroclor 1248	< 1.00
Aroclor 1254	< 1.00
Aroclor 1260	< 1.00

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3510C

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-04
Client Job Number:	0123-005-104		
Field Location:	MW-4	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	04/02/2012

PCB Identification	Results in ug / L
Aroclor 1016	< 1.00
Aroclor 1221	< 1.00
Aroclor 1232	< 1.00
Aroclor 1242	< 1.00
Aroclor 1248	< 1.00
Aroclor 1254	< 1.00
Aroclor 1260	< 1.00

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3510C

Comments: ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-05
Client Job Number:	0123-005-104		
Field Location:	MW-5	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	04/02/2012

PCB Identification	Results in ug / L
Aroclor 1016	< 1.00
Aroclor 1221	< 1.00
Aroclor 1232	< 1.00
Aroclor 1242	< 1.00
Aroclor 1248	< 1.00
Aroclor 1254	< 1.00
Aroclor 1260	< 1.00

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3510C

Comments: ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger: Technical Director

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ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-06
Client Job Number:	0123-005-104		
Field Location:	MW-6	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	04/02/2012

PCB Identification	Results in ug / L
Aroclor 1016	< 1.00
Aroclor 1221	< 1.00
Aroclor 1232	< 1.00
Aroclor 1242	< 1.00
Aroclor 1248	< 1.00
Aroclor 1254	< 1.00
Aroclor 1260	< 1.00

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3510C

Comments: ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-07
Client Job Number:	0123-005-104		
Field Location:	MW-7	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	04/02/2012

PCB Identification	Results in ug / L
Aroclor 1016	< 1.00
Aroclor 1221	< 1.00
Aroclor 1232	< 1.00
Aroclor 1242	< 1.00
Aroclor 1248	< 1.00
Aroclor 1254	< 1.00
Aroclor 1260	< 1.00

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3510C

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

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ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-08
Client Job Number:	0123-005-104		
Field Location:	MW-8	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	04/02/2012

PCB Identification	Results in ug / L
Aroclor 1016	< 1.00
Aroclor 1221	< 1.00
Aroclor 1232	< 1.00
Aroclor 1242	< 1.00
Aroclor 1248	< 1.00
Aroclor 1254	< 1.00
Aroclor 1260	< 1.00

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3510C

Comments: ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger: Technical Director

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ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-09
Client Job Number:	0123-005-104		
Field Location:	MW-9	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	04/03/2012

PCB Identification	Results in ug / L
Aroclor 1016	< 1.00
Aroclor 1221	< 1.00
Aroclor 1232	< 1.00
Aroclor 1242	< 1.00
Aroclor 1248	< 1.00
Aroclor 1254	< 1.00
Aroclor 1260	< 1.00

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3510C

Comments: ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-10
Client Job Number:	0123-005-104		
Field Location:	Blind Dup	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	04/03/2012

PCB Identification	Results in ug / L
Aroclor 1016	< 1.00
Aroclor 1221	< 1.00
Aroclor 1232	< 1.00
Aroclor 1242	< 1.00
Aroclor 1248	< 1.00
Aroclor 1254	< 1.00
Aroclor 1260	< 1.00

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3510C

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Pesticide Analysis Report for Non-potable Water

Client: **Turnkey Environmental**

Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-01
Client Job Number:	0123-005-104		
Field Location:	MW-1	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	04/02/2012

Pesticide Identification	Results in ug / L
Aldrin	C 0.173
alpha-BHC	C 0.276
beta-BHC	C 0.601
delta-BHC	J C 0.0674
gamma-BHC	< 0.100
gamma-Chlordane	J C 0.0622
alpha-Chlordane	J C 0.0606
4,4'-DDD	C 0.258
4,4'-DDE	J 0.0708
4,4'-DDT	0.140
Dieldrin	C 0.169
Endosulfan I	0.132
Endosulfan II	< 0.100
Endosulfan Sulfate	< 0.100
Endrin	0.144
Endrin Aldehyde	J C 0.0973
Endrin Ketone	< 0.100
Heptachlor	< 0.100
Heptachlor Epoxide	C 0.130
Methoxychlor	< 0.100
Toxaphene	< 0.500

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3510C

Qualifier: C denotes that the concentration differs by more than 40% between the primary and secondary columns

Comments: ug / L = microgram per Liter
Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger: Technical Director

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Pesticide Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-02
Client Job Number:	0123-005-104		
Field Location:	MW-2	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	04/02/2012

Pesticide Identification	Results in ug / L
Aldrin	0.286
alpha-BHC	C 0.516
beta-BHC	C 1.33
delta-BHC	C 0.151
gamma-BHC	< 0.100
gamma-Chlordane	J C 0.0949
alpha-Chlordane	C 0.120
4,4'-DDD	C 0.220
4,4'-DDE	0.158
4,4'-DDT	0.145
Dieldrin	0.204
Endosulfan I	0.201
Endosulfan II	< 0.100
Endosulfan Sulfate	< 0.100
Endrin	0.283
Endrin Aldehyde	0.121
Endrin Ketone	< 0.100
Heptachlor	< 0.100
Heptachlor Epoxide	C 0.248
Methoxychlor	< 0.100
Toxaphene	< 0.500

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3510C

Qualifier: C denotes that the concentration differs by more than 40% between the primary and secondary columns

Comments: ug / L = microgram per Liter
Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger: Technical Director

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Pesticide Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: MW-3
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-03

Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 04/02/2012

Pesticide Identification	Results in ug / L
Aldrin	C 0.215
alpha-BHC	< 0.100
beta-BHC	C 0.528
delta-BHC	< 0.100
gamma-BHC	< 0.100
gamma-Chlordane	J C 0.0742
alpha-Chlordane	< 0.100
4,4'-DDD	< 0.100
4,4'-DDE	J C 0.0518
4,4'-DDT	0.122
Dieldrin	< 0.100
Endosulfan I	J 0.0525
Endosulfan II	< 0.100
Endosulfan Sulfate	< 0.100
Endrin	J 0.0535
Endrin Aldehyde	C 0.117
Endrin Ketone	< 0.100
Heptachlor	< 0.100
Heptachlor Epoxide	C 0.124
Methoxychlor	< 0.100
Toxaphene	< 0.500

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3510C

Qualifier: C denotes that the concentration differs by more than 40% between the primary and secondary columns

Comments: ug / L = microgram per Liter
Surrogate outliers indicate probable matrix interference

Signature: _____
Bruce Hoogesteger: Technical Director

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Pesticide Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: MW-4
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-04

Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 04/02/2012

Pesticide Identification	Results in ug / L
Aldrin	< 0.100
alpha-BHC	C 0.161
beta-BHC	C 0.376
delta-BHC	< 0.100
gamma-BHC	< 0.100
gamma-Chlordane	J C 0.0638
alpha-Chlordane	< 0.100
4,4'-DDD	C 0.177
4,4'-DDE	J C 0.0514
4,4'-DDT	C 0.123
Dieldrin	C 0.190
Endosulfan I	J 0.0946
Endosulfan II	< 0.100
Endosulfan Sulfate	J C 0.0569
Endrin	0.122
Endrin Aldehyde	C 0.119
Endrin Ketone	< 0.100
Heptachlor	< 0.100
Heptachlor Epoxide	C 0.102
Methoxychlor	< 0.100
Toxaphene	< 0.500

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3510C

Qualifier: C denotes that the concentration differs by more than 40% between the primary and secondary columns

Comments: ug / L = microgram per Liter
Surrogate outliers indicate probable matrix interference

Signature: _____
Bruce Hoogesteger: Technical Director

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Pesticide Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-05
Client Job Number:	0123-005-104		
Field Location:	MW-5	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	04/02/2012

Pesticide Identification	Results in ug / L
Aldrin	< 0.100
alpha-BHC	< 0.100
beta-BHC	< 0.100
delta-BHC	< 0.100
gamma-BHC	< 0.100
gamma-Chlordane	< 0.100
alpha-Chlordane	< 0.100
4,4'-DDD	C 0.243
4,4'-DDE	< 0.100
4,4'-DDT	C 0.109
Dieldrin	C 0.211
Endosulfan I	< 0.100
Endosulfan II	< 0.100
Endosulfan Sulfate	J C 0.0773
Endrin	0.132
Endrin Aldehyde	J 0.0733
Endrin Ketone	J 0.0912
Heptachlor	< 0.100
Heptachlor Epoxide	< 0.100
Methoxychlor	< 0.100
Toxaphene	< 0.500

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3510C

Qualifier: C denotes that the concentration differs by more than 40% between the primary and secondary columns

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

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Pesticide Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: MW-6
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-06

Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 04/04/2012

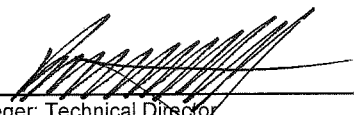
Pesticide Identification	Results in ug / L
Aldrin	J C 0.0703
alpha-BHC	< 0.100
beta-BHC	0.141
delta-BHC	< 0.100
gamma-BHC	J 0.0590
gamma-Chlordane	< 0.100
alpha-Chlordane	< 0.100
4,4'-DDD	< 0.100
4,4'-DDE	< 0.100
4,4'-DDT	< 0.100
Dieldrin	< 0.100
Endosulfan I	0.618
Endosulfan II	< 0.100
Endosulfan Sulfate	< 0.100
Endrin	< 0.100
Endrin Aldehyde	< 0.100
Endrin Ketone	< 0.100
Heptachlor	< 0.100
Heptachlor Epoxide	C 0.637
Methoxychlor	< 0.100
Toxaphene	< 0.500

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3510C

Qualifier: C denotes that the concentration differs by more than 40% between the primary and secondary columns

Comments: ug / L = microgram per Liter
Surrogate outliers indicate probable matrix interference

Signature: 

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Pesticide Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-07
Client Job Number:	0123-005-104		
Field Location:	MW-7	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	04/02/2012

Pesticide Identification	Results in ug / L
Aldrin	< 0.100
alpha-BHC	< 0.100
beta-BHC	< 0.100
delta-BHC	< 0.100
gamma-BHC	< 0.100
gamma-Chlordane	J C 0.0503
alpha-Chlordane	J C 0.0832
4,4'-DDD	C 0.160
4,4'-DDE	< 0.100
4,4'-DDT	0.121
Dieldrin	0.157
Endosulfan I	< 0.100
Endosulfan II	< 0.100
Endosulfan Sulfate	J C 0.0608
Endrin	< 0.100
Endrin Aldehyde	< 0.100
Endrin Ketone	< 0.100
Heptachlor	< 0.100
Heptachlor Epoxide	< 0.100
Methoxychlor	< 0.100
Toxaphene	< 0.500

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3510C

Qualifier: C denotes that the concentration differs by more than 40% between the primary and secondary columns

Comments: ug / L = microgram per Liter

Signature:

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Pesticide Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-08
Client Job Number:	0123-005-104		
Field Location:	MW-8	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	04/02/2012

Pesticide Identification	Results in ug / L
Aldrin	C 0.245
alpha-BHC	< 0.100
beta-BHC	< 0.100
delta-BHC	J C 0.0513
gamma-BHC	< 0.100
gamma-Chlordane	J C 0.0967
alpha-Chlordane	0.115
4,4'-DDD	C 0.160
4,4'-DDE	J C 0.0594
4,4'-DDT	0.136
Dieldrin	< 0.100
Endosulfan I	J 0.0995
Endosulfan II	< 0.100
Endosulfan Sulfate	J 0.0810
Endrin	0.143
Endrin Aldehyde	J 0.0789
Endrin Ketone	< 0.100
Heptachlor	< 0.100
Heptachlor Epoxide	C 0.159
Methoxychlor	< 0.100
Toxaphene	< 0.500

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3510C

Qualifier: C denotes that the concentration differs by more than 40% between the primary and secondary columns

Comments: ug / L = microgram per Liter
Surrogate outliers indicate probable matrix interference
Matrix Spike outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger: Technical Director

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Pesticide Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-09
Client Job Number:	0123-005-104		
Field Location:	MW-9	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	04/02/2012

Pesticide Identification	Results in ug / L
Aldrin	C 0.190
alpha-BHC	< 0.100
beta-BHC	C 1.08
delta-BHC	C 0.123
gamma-BHC	C 0.226
gamma-Chlordane	< 0.100
alpha-Chlordane	< 0.100
4,4'-DDD	< 0.100
4,4'-DDE	J C 0.0651
4,4'-DDT	0.113
Dieldrin	C 0.136
Endosulfan I	C 0.206
Endosulfan II	< 0.100
Endosulfan Sulfate	< 0.100
Endrin	0.194
Endrin Aldehyde	< 0.100
Endrin Ketone	< 0.100
Heptachlor	< 0.100
Heptachlor Epoxide	< 0.100
Methoxychlor	< 0.100
Toxaphene	< 0.500

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3510C

Qualifier: C denotes that the concentration differs by more than 40% between the primary and secondary columns

Comments: ug / L = microgram per Liter
Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger: Technical Director

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Pesticide Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-10
Client Job Number:	0123-005-104		
Field Location:	Blind Dup	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	04/02/2012

Pesticide Identification	Results in ug / L
Aldrin	0.296
alpha-BHC	C 0.461
beta-BHC	< 0.100
delta-BHC	C 0.137
gamma-BHC	C 0.163
gamma-Chlordane	J C 0.0881
alpha-Chlordane	J C 0.0888
4,4'-DDD	0.123
4,4'-DDE	0.140
4,4'-DDT	0.166
Dieldrin	0.178
Endosulfan I	0.200
Endosulfan II	< 0.100
Endosulfan Sulfate	C 0.101
Endrin	C 0.119
Endrin Aldehyde	0.155
Endrin Ketone	< 0.100
Heptachlor	< 0.100
Heptachlor Epoxide	< 0.100
Methoxychlor	< 0.100
Toxaphene	< 0.500

ELAP Number 10958

Analytical Method: EPA 8081B
Prep Method: EPA 3510C

Qualifier: C denotes that the concentration differs by more than 40% between the primary and secondary columns

Comments: ug / L = microgram per Liter
Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger: Technical Director

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Semi -Volatile Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-01
Client Job Number:	0123-005-104		
Field Location:	MW-1	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	04/06/2012

Compound	Results in ug / L
Acenaphthene	< 10.0
Acenaphthylene	< 10.0
Acetophenone	< 10.0
Anthracene	< 10.0
Atrazine	< 10.0
Benzaldehyde	< 10.0
Benzo (a) anthracene	< 10.0
Benzo (a) pyrene	< 10.0
Benzo (b) fluoranthene	< 10.0
Benzo (g,h,i) perylene	< 10.0
Benzo (k) fluoranthene	< 10.0
Biphenyl	< 10.0
Bis (2-chloroethyl) ether	< 10.0
Bis (2-chloroethoxy) methane	< 10.0
Bis (2-ethylhexyl) phthalate	< 10.0
Bis (2-chloroisopropyl) ether	< 10.0
4-Bromophenyl phenyl ether	< 10.0
Butylbenzylphthalate	< 10.0
Caprolactam	< 10.0
Carbazole	< 10.0
4-Chloroaniline	< 10.0
4-Chloro-3-methylphenol	< 10.0
2-Chloronaphthalene	< 10.0
2-Chlorophenol	< 10.0
4-Chlorophenyl phenyl ether	< 10.0
Chrysene	< 10.0
1,3-Dichlorobenzene	< 10.0
1,4-Dichlorobenzene	< 10.0
1,2-Dichlorobenzene	< 10.0
Dibenz (a,h) anthracene	< 10.0
Dibenzofuran	< 10.0
3,3'-Dichlorobenzidine	< 10.0
2,4-Dichlorophenol	< 10.0
Diethyl phthalate	< 10.0
2,4-Dimethylphenol	< 10.0
Dimethyl phthalate	< 25.0

Compound	Results in ug / L
Di-n-butyl phthalate	< 10.0
4,6-Dinitro-2-methylphenol	< 25.0
2,4-Dinitrophenol	< 25.0
2,4-Dinitrotoluene	< 10.0
2,6-Dinitrotoluene	< 10.0
Di-n-octylphthalate	< 10.0
Fluoranthene	< 10.0
Fluorene	< 10.0
Hexachlorobenzene	< 10.0
Hexachlorobutadiene	< 10.0
Hexachlorocyclopentadiene	< 10.0
Hexachloroethane	< 10.0
Indeno (1,2,3-cd) pyrene	< 10.0
Isophorone	< 10.0
2-Methylnapthalene	< 10.0
2-Methylphenol	< 10.0
3&4-Methylphenol	< 10.0
Naphthalene	< 10.0
2-Nitroaniline	< 25.0
3-Nitroaniline	< 25.0
4-Nitroaniline	< 25.0
Nitrobenzene	< 10.0
2-Nitrophenol	< 10.0
4-Nitrophenol	< 25.0
N-Nitroso-di-n-propylamine	< 10.0
N-Nitrosodiphenylamine	< 10.0
Pentachlorophenol	< 25.0
Phenanthrene	< 10.0
Phenol	< 10.0
Pyrene	< 10.0
1,2,4-Trichlorobenzene	< 10.0
2,4,5-Trichlorophenol	< 25.0
2,4,6-Trichlorophenol	< 10.0
1,2,4,5-Tetrachlorobenzene	< 10.0
2,3,4,6-Tetrachlorophenol	< 10.0

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S62322.D

Prep Method: EPA 3510C

Comments: ug / L = microgram per Liter

Signature: 

Bruce Hoogesteger: Technical Director

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Semi -Volatile Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: MW-2
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-02
Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 04/06/2012

Compound	Results in ug / L
Acenaphthene	< 10.0
Acenaphthylene	< 10.0
Acetophenone	< 10.0
Anthracene	< 10.0
Atrazine	< 10.0
Benzaldehyde	< 10.0
Benzo (a) anthracene	< 10.0
Benzo (a) pyrene	< 10.0
Benzo (b) fluoranthene	< 10.0
Benzo (g,h,i) perylene	< 10.0
Benzo (k) fluoranthene	< 10.0
Biphenyl	< 10.0
Bis (2-chloroethyl) ether	< 10.0
Bis (2-chloroethoxy) methane	< 10.0
Bis (2-ethylhexyl) phthalate	< 10.0
Bis (2-chloroisopropyl) ether	< 10.0
4-Bromophenyl phenyl ether	< 10.0
Butylbenzylphthalate	< 10.0
Caprolactam	< 10.0
Carbazole	< 10.0
4-Chloroaniline	< 10.0
4-Chloro-3-methylphenol	< 10.0
2-Chloronaphthalene	< 10.0
2-Chlorophenol	< 10.0
4-Chlorophenyl phenyl ether	< 10.0
Chrysene	< 10.0
1,3-Dichlorobenzene	< 10.0
1,4-Dichlorobenzene	< 10.0
1,2-Dichlorobenzene	< 10.0
Dibenz (a,h) anthracene	< 10.0
Dibenzofuran	< 10.0
3,3'-Dichlorobenzidine	< 10.0
2,4-Dichlorophenol	< 10.0
Diethyl phthalate	< 10.0
2,4-Dimethylphenol	< 10.0
Dimethyl phthalate	< 25.0

Compound	Results in ug / L
Di-n-butyl phthalate	< 10.0
4,6-Dinitro-2-methylphenol	< 25.0
2,4-Dinitrophenol	< 25.0
2,4-Dinitrotoluene	< 10.0
2,6-Dinitrotoluene	< 10.0
Di-n-octylphthalate	< 10.0
Fluoranthene	< 10.0
Fluorene	< 10.0
Hexachlorobenzene	< 10.0
Hexachlorobutadiene	< 10.0
Hexachlorocyclopentadiene	< 10.0
Hexachloroethane	< 10.0
Indeno (1,2,3-cd) pyrene	< 10.0
Isophorone	< 10.0
2-Methylnapthalene	< 10.0
2-Methylphenol	< 10.0
3&4-Methylphenol	< 10.0
Naphthalene	< 10.0
2-Nitroaniline	< 25.0
3-Nitroaniline	< 25.0
4-Nitroaniline	< 25.0
Nitrobenzene	< 10.0
2-Nitrophenol	< 10.0
4-Nitrophenol	< 25.0
N-Nitroso-di-n-propylamine	< 10.0
N-Nitrosodiphenylamine	< 10.0
Pentachlorophenol	< 25.0
Phenanthrene	< 10.0
Phenol	< 10.0
Pyrene	< 10.0
1,2,4-Trichlorobenzene	< 10.0
2,4,5-Trichlorophenol	< 25.0
2,4,6-Trichlorophenol	< 10.0
1,2,4,5-Tetrachlorobenzene	< 10.0
2,3,4,6-Tetrachlorophenol	< 10.0

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S62323.D
Prep Method: EPA 3510C

Comments: ug / L = microgram per Liter

Signature: 
Bruce Hoogesteger: Technical Director

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Semi -Volatile Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: MW-3
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-03

Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 04/06/2012

Compound	Results in ug / L
Acenaphthene	< 10.0
Acenaphthylene	< 10.0
Acetophenone	< 10.0
Anthracene	< 10.0
Atrazine	< 10.0
Benzaldehyde	< 10.0
Benzo (a) anthracene	< 10.0
Benzo (a) pyrene	< 10.0
Benzo (b) fluoranthene	< 10.0
Benzo (g,h,i) perylene	< 10.0
Benzo (k) fluoranthene	< 10.0
Biphenyl	< 10.0
Bis (2-chloroethyl) ether	< 10.0
Bis (2-chloroethoxy) methane	< 10.0
Bis (2-ethylhexyl) phthalate	< 10.0
Bis (2-chloroisopropyl) ether	< 10.0
4-Bromophenyl phenyl ether	< 10.0
Butylbenzylphthalate	< 10.0
Caprolactam	< 10.0
Carbazole	< 10.0
4-Chloroaniline	< 10.0
4-Chloro-3-methylphenol	< 10.0
2-Chloronaphthalene	< 10.0
2-Chlorophenol	< 10.0
4-Chlorophenyl phenyl ether	< 10.0
Chrysene	< 10.0
1,3-Dichlorobenzene	< 10.0
1,4-Dichlorobenzene	< 10.0
1,2-Dichlorobenzene	< 10.0
Dibenz (a,h) anthracene	< 10.0
Dibenzofuran	< 10.0
3,3'-Dichlorobenzidine	< 10.0
2,4-Dichlorophenol	< 10.0
Diethyl phthalate	< 10.0
2,4-Dimethylphenol	< 10.0
Dimethyl phthalate	< 25.0

Compound	Results in ug / L
Di-n-butyl phthalate	< 10.0
4,6-Dinitro-2-methylphenol	< 25.0
2,4-Dinitrophenol	< 25.0
2,4-Dinitrotoluene	< 10.0
2,6-Dinitrotoluene	< 10.0
Di-n-octylphthalate	< 10.0
Fluoranthene	< 10.0
Fluorene	< 10.0
Hexachlorobenzene	< 10.0
Hexachlorobutadiene	< 10.0
Hexachlorocyclopentadiene	< 10.0
Hexachloroethane	< 10.0
Indeno (1,2,3-cd) pyrene	< 10.0
Isophorone	< 10.0
2-Methylnapthalene	< 10.0
2-Methylphenol	< 10.0
3&4-Methylphenol	< 10.0
Naphthalene	< 10.0
2-Nitroaniline	< 25.0
3-Nitroaniline	< 25.0
4-Nitroaniline	< 25.0
Nitrobenzene	< 10.0
2-Nitrophenol	< 10.0
4-Nitrophenol	< 25.0
N-Nitroso-di-n-propylamine	< 10.0
N-Nitrosodiphenylamine	< 10.0
Pentachlorophenol	< 25.0
Phenanthrene	< 10.0
Phenol	< 10.0
Pyrene	< 10.0
1,2,4-Trichlorobenzene	< 10.0
2,4,5-Trichlorophenol	< 25.0
2,4,6-Trichlorophenol	< 10.0
1,2,4,5-Tetrachlorobenzene	< 10.0
2,3,4,6-Tetrachlorophenol	< 10.0

ELAP Number 10958 | Analytical Method: EPA 8270C | Data File: S62324.D
Prep Method: EPA 3510C

Comments: ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi -Volatile Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: MW-4
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-04

Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 04/06/2012

Compound	Results in ug / L
Acenaphthene	< 10.0
Acenaphthylene	< 10.0
Acetophenone	< 10.0
Anthracene	< 10.0
Atrazine	< 10.0
Benzaldehyde	< 10.0
Benzo (a) anthracene	< 10.0
Benzo (a) pyrene	< 10.0
Benzo (b) fluoranthene	< 10.0
Benzo (g,h,i) perylene	< 10.0
Benzo (k) fluoranthene	< 10.0
Biphenyl	< 10.0
Bis (2-chloroethyl) ether	< 10.0
Bis (2-chloroethoxy) methane	< 10.0
Bis (2-ethylhexyl) phthalate	< 10.0
Bis (2-chloroisopropyl) ether	< 10.0
4-Bromophenyl phenyl ether	< 10.0
Butylbenzylphthalate	< 10.0
Caprolactam	< 10.0
Carbazole	< 10.0
4-Chloroaniline	< 10.0
4-Chloro-3-methylphenol	< 10.0
2-Chloronaphthalene	< 10.0
2-Chlorophenol	< 10.0
4-Chlorophenyl phenyl ether	< 10.0
Chrysene	< 10.0
1,3-Dichlorobenzene	< 10.0
1,4-Dichlorobenzene	< 10.0
1,2-Dichlorobenzene	< 10.0
Dibenz (a,h) anthracene	< 10.0
Dibenzofuran	< 10.0
3,3'-Dichlorobenzidine	< 10.0
2,4-Dichlorophenol	< 10.0
Diethyl phthalate	< 10.0
2,4-Dimethylphenol	< 10.0
Dimethyl phthalate	< 25.0

Compound	Results in ug / L
Di-n-butyl phthalate	< 10.0
4,6-Dinitro-2-methylphenol	< 25.0
2,4-Dinitrophenol	< 25.0
2,4-Dinitrotoluene	< 10.0
2,6-Dinitrotoluene	< 10.0
Di-n-octylphthalate	< 10.0
Fluoranthene	< 10.0
Fluorene	< 10.0
Hexachlorobenzene	< 10.0
Hexachlorobutadiene	< 10.0
Hexachlorocyclopentadiene	< 10.0
Hexachloroethane	< 10.0
Indeno (1,2,3-cd) pyrene	< 10.0
Isophorone	< 10.0
2-Methylnapthalene	< 10.0
2-Methylphenol	< 10.0
3&4-Methylphenol	< 10.0
Naphthalene	< 10.0
2-Nitroaniline	< 25.0
3-Nitroaniline	< 25.0
4-Nitroaniline	< 25.0
Nitrobenzene	< 10.0
2-Nitrophenol	< 10.0
4-Nitrophenol	< 25.0
N-Nitroso-di-n-propylamine	< 10.0
N-Nitrosodiphenylamine	< 10.0
Pentachlorophenol	< 25.0
Phenanthrene	< 10.0
Phenol	< 10.0
Pyrene	< 10.0
1,2,4-Trichlorobenzene	< 10.0
2,4,5-Trichlorophenol	< 25.0
2,4,6-Trichlorophenol	< 10.0
1,2,4,5-Tetrachlorobenzene	< 10.0
2,3,4,6-Tetrachlorophenol	< 10.0

ELAP Number 10958 | Analytical Method: EPA 8270C | Data File: S62325.D
Prep Method: EPA 3510C

Comments: ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi -Volatile Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: MW-5
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-05

Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 04/06/2012

Compound	Results in ug / L
Acenaphthene	< 10.0
Acenaphthylene	< 10.0
Acetophenone	< 10.0
Anthracene	< 10.0
Atrazine	< 10.0
Benzaldehyde	< 10.0
Benzo (a) anthracene	< 10.0
Benzo (a) pyrene	< 10.0
Benzo (b) fluoranthene	< 10.0
Benzo (g,h,i) perylene	< 10.0
Benzo (k) fluoranthene	< 10.0
Biphenyl	< 10.0
Bis (2-chloroethyl) ether	< 10.0
Bis (2-chloroethoxy) methane	< 10.0
Bis (2-ethylhexyl) phthalate	< 10.0
Bis (2-chloroisopropyl) ether	< 10.0
4-Bromophenyl phenyl ether	< 10.0
Butylbenzylphthalate	< 10.0
Caprolactam	< 10.0
Carbazole	< 10.0
4-Chloroaniline	< 10.0
4-Chloro-3-methylphenol	< 10.0
2-Chloronaphthalene	< 10.0
2-Chlorophenol	< 10.0
4-Chlorophenyl phenyl ether	< 10.0
Chrysene	< 10.0
1,3-Dichlorobenzene	< 10.0
1,4-Dichlorobenzene	< 10.0
1,2-Dichlorobenzene	< 10.0
Dibenz (a,h) anthracene	< 10.0
Dibenzofuran	< 10.0
3,3'-Dichlorobenzidine	< 10.0
2,4-Dichlorophenol	< 10.0
Diethyl phthalate	< 10.0
2,4-Dimethylphenol	< 10.0
Dimethyl phthalate	< 25.0

Compound	Results in ug / L
Di-n-butyl phthalate	< 10.0
4,6-Dinitro-2-methylphenol	< 25.0
2,4-Dinitrophenol	< 25.0
2,4-Dinitrotoluene	< 10.0
2,6-Dinitrotoluene	< 10.0
Di-n-octylphthalate	< 10.0
Fluoranthene	< 10.0
Fluorene	< 10.0
Hexachlorobenzene	< 10.0
Hexachlorobutadiene	< 10.0
Hexachlorocyclopentadiene	< 10.0
Hexachloroethane	< 10.0
Indeno (1,2,3-cd) pyrene	< 10.0
Isophorone	< 10.0
2-Methylnapthalene	< 10.0
2-Methylphenol	< 10.0
3&4-Methylphenol	< 10.0
Naphthalene	< 10.0
2-Nitroaniline	< 25.0
3-Nitroaniline	< 25.0
4-Nitroaniline	< 25.0
Nitrobenzene	< 10.0
2-Nitrophenol	< 10.0
4-Nitrophenol	< 25.0
N-Nitroso-di-n-propylamine	< 10.0
N-Nitrosodiphenylamine	< 10.0
Pentachlorophenol	< 25.0
Phenanthrene	< 10.0
Phenol	< 10.0
Pyrene	< 10.0
1,2,4-Trichlorobenzene	< 10.0
2,4,5-Trichlorophenol	< 25.0
2,4,6-Trichlorophenol	< 10.0
1,2,4,5-Tetrachlorobenzene	< 10.0
2,3,4,6-Tetrachlorophenol	< 10.0

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S62326.D
Prep Method: EPA 3510C

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi -Volatile Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-06
Client Job Number:	0123-005-104		
Field Location:	MW-6	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	04/06/2012

Compound	Results in ug / L
Acenaphthene	< 100
Acenaphthylene	< 100
Acetophenone	< 100
Anthracene	< 100
Atrazine	< 100
Benzaldehyde	< 100
Benzo (a) anthracene	< 100
Benzo (a) pyrene	< 100
Benzo (b) fluoranthene	< 100
Benzo (g,h,i) perylene	< 100
Benzo (k) fluoranthene	< 100
Biphenyl	< 100
Bis (2-chloroethyl) ether	< 100
Bis (2-chloroethoxy) methane	< 100
Bis (2-ethylhexyl) phthalate	< 100
Bis (2-chloroisopropyl) ether	< 100
4-Bromophenyl phenyl ether	< 100
Butylbenzylphthalate	< 100
Caprolactam	< 100
Carbazole	< 100
4-Chloroaniline	< 100
4-Chloro-3-methylphenol	< 100
2-Chloronaphthalene	< 100
2-Chlorophenol	< 100
4-Chlorophenyl phenyl ether	< 100
Chrysene	< 100
1,3-Dichlorobenzene	< 100
1,4-Dichlorobenzene	< 100
1,2-Dichlorobenzene	< 100
Dibenz (a,h) anthracene	< 100
Dibenzofuran	< 100
3,3'-Dichlorobenzidine	< 100
2,4-Dichlorophenol	< 100
Diethyl phthalate	< 100
2,4-Dimethylphenol	< 100
Dimethyl phthalate	< 250

Compound	Results in ug / L
Di-n-butyl phthalate	< 100
4,6-Dinitro-2-methylphenol	< 250
2,4-Dinitrophenol	< 250
2,4-Dinitrotoluene	< 100
2,6-Dinitrotoluene	< 100
Di-n-octylphthalate	00
	00
	00
	00
	0
	0
	0
	< 250
...Nitroso-di-n-propylamine	< 100
N-Nitrosodiphenylamine	< 100
Pentachlorophenol	< 250
Phenanthrene	< 100
Phenol	< 100
Pyrene	< 100
1,2,4-Trichlorobenzene	< 100
2,4,5-Trichlorophenol	< 250
2,4,6-Trichlorophenol	< 100
1,2,4,5-Tetrachlorobenzene	< 100
2,3,4,6-Tetrachlorophenol	< 100

2-butoxyethanol non-target. Generate tic or verbal to client

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S62327.D

Prep Method: EPA 3510C

Comments: ug / L = microgram per Liter

Reporting limit elevated due to non-target compounds

Signature: _____

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi -Volatile Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: MW-7
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-07

Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 04/06/2012

Compound	Results in ug / L
Acenaphthene	< 10.0
Acenaphthylene	< 10.0
Acetophenone	< 10.0
Anthracene	< 10.0
Atrazine	< 10.0
Benzaldehyde	< 10.0
Benzo (a) anthracene	< 10.0
Benzo (a) pyrene	< 10.0
Benzo (b) fluoranthene	< 10.0
Benzo (g,h,i) perylene	< 10.0
Benzo (k) fluoranthene	< 10.0
Biphenyl	< 10.0
Bis (2-chloroethyl) ether	< 10.0
Bis (2-chloroethoxy) methane	< 10.0
Bis (2-ethylhexyl) phthalate	< 10.0
Bis (2-chloroisopropyl) ether	< 10.0
4-Bromophenyl phenyl ether	< 10.0
Butylbenzylphthalate	< 10.0
Caprolactam	< 10.0
Carbazole	< 10.0
4-Chloroaniline	< 10.0
4-Chloro-3-methylphenol	< 10.0
2-Chloronaphthalene	< 10.0
2-Chlorophenol	< 10.0
4-Chlorophenyl phenyl ether	< 10.0
Chrysene	< 10.0
1,3-Dichlorobenzene	< 10.0
1,4-Dichlorobenzene	< 10.0
1,2-Dichlorobenzene	< 10.0
Dibenz (a,h) anthracene	< 10.0
Dibenzofuran	< 10.0
3,3'-Dichlorobenzidine	< 10.0
2,4-Dichlorophenol	< 10.0
Diethyl phthalate	< 10.0
2,4-Dimethylphenol	< 10.0
Dimethyl phthalate	< 25.0

Compound	Results in ug / L
Di-n-butyl phthalate	< 10.0
4,6-Dinitro-2-methylphenol	< 25.0
2,4-Dinitrophenol	< 25.0
2,4-Dinitrotoluene	< 10.0
2,6-Dinitrotoluene	< 10.0
Di-n-octylphthalate	< 10.0
Fluoranthene	< 10.0
Fluorene	< 10.0
Hexachlorobenzene	< 10.0
Hexachlorobutadiene	< 10.0
Hexachlorocyclopentadiene	< 10.0
Hexachloroethane	< 10.0
Indeno (1,2,3-cd) pyrene	< 10.0
Isophorone	< 10.0
2-Methylnapthalene	< 10.0
2-Methylphenol	< 10.0
3&4-Methylphenol	< 10.0
Naphthalene	< 10.0
2-Nitroaniline	< 25.0
3-Nitroaniline	< 25.0
4-Nitroaniline	< 25.0
Nitrobenzene	< 10.0
2-Nitrophenol	< 10.0
4-Nitrophenol	< 25.0
N-Nitroso-di-n-propylamine	< 10.0
N-Nitrosodiphenylamine	< 10.0
Pentachlorophenol	< 25.0
Phenanthrene	< 10.0
Phenol	< 10.0
Pyrene	< 10.0
1,2,4-Trichlorobenzene	< 10.0
2,4,5-Trichlorophenol	< 25.0
2,4,6-Trichlorophenol	< 10.0
1,2,4,5-Tetrachlorobenzene	< 10.0
2,3,4,6-Tetrachlorophenol	< 10.0

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S62328.D
Prep Method: EPA 3510C

Comments: ug / L = microgram per Liter

Signature: 
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi -Volatile Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: MW-8
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-08

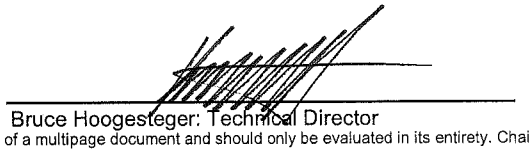
Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 04/06/2012

Compound	Results in ug / L
Acenaphthene	< 10.0
Acenaphthylene	< 10.0
Acetophenone	< 10.0
Anthracene	< 10.0
Atrazine	< 10.0
Benzaldehyde	< 10.0
Benzo (a) anthracene	< 10.0
Benzo (a) pyrene	< 10.0
Benzo (b) fluoranthene	< 10.0
Benzo (g,h,i) perylene	< 10.0
Benzo (k) fluoranthene	< 10.0
Biphenyl	< 10.0
Bis (2-chloroethyl) ether	< 10.0
Bis (2-chloroethoxy) methane	< 10.0
Bis (2-ethylhexyl) phthalate	< 10.0
Bis (2-chloroisopropyl) ether	< 10.0
4-Bromophenyl phenyl ether	< 10.0
Butylbenzylphthalate	< 10.0
Caprolactam	< 10.0
Carbazole	< 10.0
4-Chloroaniline	< 10.0
4-Chloro-3-methylphenol	< 10.0
2-Chloronaphthalene	< 10.0
2-Chlorophenol	< 10.0
4-Chlorophenyl phenyl ether	< 10.0
Chrysene	< 10.0
1,3-Dichlorobenzene	< 10.0
1,4-Dichlorobenzene	< 10.0
1,2-Dichlorobenzene	< 10.0
Dibenz (a,h) anthracene	< 10.0
Dibenzofuran	< 10.0
3,3'-Dichlorobenzidine	< 10.0
2,4-Dichlorophenol	< 10.0
Diethyl phthalate	< 10.0
2,4-Dimethylphenol	< 10.0
Dimethyl phthalate	< 25.0

Compound	Results in ug / L
Di-n-butyl phthalate	< 10.0
4,6-Dinitro-2-methylphenol	< 25.0
2,4-Dinitrophenol	< 25.0
2,4-Dinitrotoluene	< 10.0
2,6-Dinitrotoluene	< 10.0
Di-n-octylphthalate	< 10.0
Fluoranthene	< 10.0
Fluorene	< 10.0
Hexachlorobenzene	< 10.0
Hexachlorobutadiene	< 10.0
Hexachlorocyclopentadiene	< 10.0
Hexachloroethane	< 10.0
Indeno (1,2,3-cd) pyrene	< 10.0
Isophorone	< 10.0
2-Methylnapthalene	< 10.0
2-Methylphenol	< 10.0
3&4-Methylphenol	< 10.0
Naphthalene	< 10.0
2-Nitroaniline	< 25.0
3-Nitroaniline	< 25.0
4-Nitroaniline	< 25.0
Nitrobenzene	< 10.0
2-Nitrophenol	< 10.0
4-Nitrophenol	< 25.0
N-Nitroso-di-n-propylamine	< 10.0
N-Nitrosodiphenylamine	< 10.0
Pentachlorophenol	< 25.0
Phenanthrene	< 10.0
Phenol	< 10.0
Pyrene	< 10.0
1,2,4-Trichlorobenzene	< 10.0
2,4,5-Trichlorophenol	< 25.0
2,4,6-Trichlorophenol	< 10.0
1,2,4,5-Tetrachlorobenzene	< 10.0
2,3,4,6-Tetrachlorophenol	< 10.0

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S62329.D
Prep Method: EPA 3510C

Comments: ug / L = microgram per Liter

Signature: 
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi -Volatile Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: MW-9
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-09

Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 04/06/2012

Compound	Results in ug / L
Acenaphthene	< 10.0
Acenaphthylene	< 10.0
Acetophenone	< 10.0
Anthracene	< 10.0
Atrazine	< 10.0
Benzaldehyde	< 10.0
Benzo (a) anthracene	< 10.0
Benzo (a) pyrene	< 10.0
Benzo (b) fluoranthene	< 10.0
Benzo (g,h,i) perylene	< 10.0
Benzo (k) fluoranthene	< 10.0
Biphenyl	< 10.0
Bis (2-chloroethyl) ether	< 10.0
Bis (2-chloroethoxy) methane	< 10.0
Bis (2-ethylhexyl) phthalate	< 10.0
Bis (2-chloroisopropyl) ether	< 10.0
4-Bromophenyl phenyl ether	< 10.0
Butylbenzylphthalate	< 10.0
Caprolactam	< 10.0
Carbazole	< 10.0
4-Chloroaniline	< 10.0
4-Chloro-3-methylphenol	< 10.0
2-Chloronaphthalene	< 10.0
2-Chlorophenol	< 10.0
4-Chlorophenyl phenyl ether	< 10.0
Chrysene	< 10.0
1,3-Dichlorobenzene	< 10.0
1,4-Dichlorobenzene	< 10.0
1,2-Dichlorobenzene	< 10.0
Dibenz (a,h) anthracene	< 10.0
Dibenzofuran	< 10.0
3,3'-Dichlorobenzidine	< 10.0
2,4-Dichlorophenol	< 10.0
Diethyl phthalate	< 10.0
2,4-Dimethylphenol	< 10.0
Dimethyl phthalate	< 25.0

Compound	Results in ug / L
Di-n-butyl phthalate	< 10.0
4,6-Dinitro-2-methylphenol	< 25.0
2,4-Dinitrophenol	< 25.0
2,4-Dinitrotoluene	< 10.0
2,6-Dinitrotoluene	< 10.0
Di-n-octylphthalate	< 10.0
Fluoranthene	< 10.0
Fluorene	< 10.0
Hexachlorobenzene	< 10.0
Hexachlorobutadiene	< 10.0
Hexachlorocyclopentadiene	< 10.0
Hexachloroethane	< 10.0
Indeno (1,2,3-cd) pyrene	< 10.0
Isophorone	< 10.0
2-Methylnapthalene	< 10.0
2-Methylphenol	< 10.0
3&4-Methylphenol	< 10.0
Naphthalene	< 10.0
2-Nitroaniline	< 25.0
3-Nitroaniline	< 25.0
4-Nitroaniline	< 25.0
Nitrobenzene	< 10.0
2-Nitrophenol	< 10.0
4-Nitrophenol	< 25.0
N-Nitroso-di-n-propylamine	< 10.0
N-Nitrosodiphenylamine	< 10.0
Pentachlorophenol	< 25.0
Phenanthrene	< 10.0
Phenol	< 10.0
Pyrene	< 10.0
1,2,4-Trichlorobenzene	< 10.0
2,4,5-Trichlorophenol	< 25.0
2,4,6-Trichlorophenol	< 10.0
1,2,4,5-Tetrachlorobenzene	< 10.0
2,3,4,6-Tetrachlorophenol	< 10.0

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S62332.D
Prep Method: EPA 3510C

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi -Volatile Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: Blind Dup
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-10

Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 04/06/2012

Compound	Results in ug / L
Acenaphthene	< 10.0
Acenaphthylene	< 10.0
Acetophenone	< 10.0
Anthracene	< 10.0
Atrazine	< 10.0
Benzaldehyde	< 10.0
Benzo (a) anthracene	< 10.0
Benzo (a) pyrene	< 10.0
Benzo (b) fluoranthene	< 10.0
Benzo (g,h,i) perylene	< 10.0
Benzo (k) fluoranthene	< 10.0
Biphenyl	< 10.0
Bis (2-chloroethyl) ether	< 10.0
Bis (2-chloroethoxy) methane	< 10.0
Bis (2-ethylhexyl) phthalate	< 10.0
Bis (2-chloroisopropyl) ether	< 10.0
4-Bromophenyl phenyl ether	< 10.0
Butylbenzylphthalate	< 10.0
Caprolactam	< 10.0
Carbazole	< 10.0
4-Chloroaniline	< 10.0
4-Chloro-3-methylphenol	< 10.0
2-Chloronaphthalene	< 10.0
2-Chlorophenol	< 10.0
4-Chlorophenyl phenyl ether	< 10.0
Chrysene	< 10.0
1,3-Dichlorobenzene	< 10.0
1,4-Dichlorobenzene	< 10.0
1,2-Dichlorobenzene	< 10.0
Dibenz (a,h) anthracene	< 10.0
Dibenzofuran	< 10.0
3,3'-Dichlorobenzidine	< 10.0
2,4-Dichlorophenol	< 10.0
Diethyl phthalate	< 10.0
2,4-Dimethylphenol	< 10.0
Dimethyl phthalate	< 25.0

Compound	Results in ug / L
Di-n-butyl phthalate	< 10.0
4,6-Dinitro-2-methylphenol	< 25.0
2,4-Dinitrophenol	< 25.0
2,4-Dinitrotoluene	< 10.0
2,6-Dinitrotoluene	< 10.0
Di-n-octylphthalate	< 10.0
Fluoranthene	< 10.0
Fluorene	< 10.0
Hexachlorobenzene	< 10.0
Hexachlorobutadiene	< 10.0
Hexachlorocyclopentadiene	< 10.0
Hexachloroethane	< 10.0
Indeno (1,2,3-cd) pyrene	< 10.0
Isophorone	< 10.0
2-Methylnapthalene	< 10.0
2-Methylphenol	< 10.0
3&4-Methylphenol	< 10.0
Naphthalene	< 10.0
2-Nitroaniline	< 25.0
3-Nitroaniline	< 25.0
4-Nitroaniline	< 25.0
Nitrobenzene	< 10.0
2-Nitrophenol	< 10.0
4-Nitrophenol	< 25.0
N-Nitroso-di-n-propylamine	< 10.0
N-Nitrosodiphenylamine	< 10.0
Pentachlorophenol	< 25.0
Phenanthrene	< 10.0
Phenol	< 10.0
Pyrene	< 10.0
1,2,4-Trichlorobenzene	< 10.0
2,4,5-Trichlorophenol	< 25.0
2,4,6-Trichlorophenol	< 10.0
1,2,4,5-Tetrachlorobenzene	< 10.0
2,3,4,6-Tetrachlorophenol	< 10.0

ELAP Number 10958 Analytical Method: EPA 8270C Data File: S62333.D
Prep Method: EPA 3510C

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: MW-1
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-01

Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 03/29/2012

Compound	Results in ug / L
Acetone	< 10.0
Benzene	< 0.700
Bromochloromethane	< 5.00
Bromodichloromethane	< 2.00
Bromoform	< 5.00
Bromomethane	< 2.00
2-Butanone	< 10.0
Carbon disulfide	< 2.00
Carbon Tetrachloride	< 2.00
Chlorobenzene	< 2.00
Chloroethane	< 2.00
Chloroform	< 2.00
Chloromethane	< 2.00
Cyclohexane	< 10.0
Dibromochloromethane	< 2.00
1,2-Dibromo-3-Chloropropane	< 10.0
1,2-Dibromoethane	< 2.00
1,2-Dichlorobenzene	< 2.00
1,3-Dichlorobenzene	< 2.00
1,4-Dichlorobenzene	< 2.00
Dichlorodifluoromethane	< 2.00
1,1-Dichloroethane	< 2.00
1,2-Dichloroethane	< 2.00
1,1-Dichloroethene	< 2.00
cis-1,2-Dichloroethene	< 2.00
trans-1,2-Dichloroethene	< 2.00

Compound	Results in ug / L
1,2-Dichloropropane	< 2.00
cis-1,3-Dichloropropene	< 2.00
trans-1,3-Dichloropropene	< 2.00
1,4-Dioxane	< 20.0
Ethylbenzene	< 2.00
Freon 113	< 2.00
2-Hexanone	< 5.00
Isopropylbenzene	< 2.00
Methyl acetate	< 2.00
Methyl tert-butyl Ether	< 2.00
Methylcyclohexane	< 2.00
Methylene chloride	< 5.00
4-Methyl-2-pentanone	< 5.00
Styrene	< 5.00
1,1,2,2-Tetrachloroethane	< 2.00
Tetrachloroethene	< 2.00
Toluene	< 2.00
1,2,3-Trichlorobenzene	< 5.00
1,2,4-Trichlorobenzene	< 5.00
1,1,1-Trichloroethane	< 2.00
1,1,2-Trichloroethane	< 2.00
Trichloroethene	< 2.00
Trichlorofluoromethane	< 2.00
Vinyl chloride	< 2.00
m,p-Xylene	< 2.00
o-Xylene	< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V95802.D

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water (Additional STARS Compounds)

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: MW-1
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-01

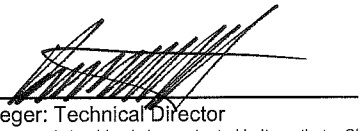
Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 03/29/2012

Compound	Results in ug / L
n-Butylbenzene	< 2.00
sec-Butylbenzene	< 2.00
tert-Butylbenzene	< 2.00
p-Isopropyltoluene	< 2.00
Naphthalene	< 5.00

Compound	Results in ug / L
n-Propylbenzene	< 2.00
1,2,4-Trimethylbenzene	< 2.00
1,3,5-Trimethylbenzene	< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V95802.D

Comments: ug / L = microgram per Liter

Signature: 

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: MW-2
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-02

Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 03/29/2012

Compound	Results in ug / L
Acetone	< 10.0
Benzene	< 0.700
Bromochloromethane	< 5.00
Bromodichloromethane	< 2.00
Bromoform	< 5.00
Bromomethane	< 2.00
2-Butanone	< 10.0
Carbon disulfide	< 2.00
Carbon Tetrachloride	< 2.00
Chlorobenzene	< 2.00
Chloroethane	< 2.00
Chloroform	< 2.00
Chloromethane	< 2.00
Cyclohexane	< 10.0
Dibromochloromethane	< 2.00
1,2-Dibromo-3-Chloropropane	< 10.0
1,2-Dibromoethane	< 2.00
1,2-Dichlorobenzene	< 2.00
1,3-Dichlorobenzene	< 2.00
1,4-Dichlorobenzene	< 2.00
Dichlorodifluoromethane	< 2.00
1,1-Dichloroethane	< 2.00
1,2-Dichloroethane	< 2.00
1,1-Dichloroethene	< 2.00
cis-1,2-Dichloroethene	< 2.00
trans-1,2-Dichloroethene	< 2.00

Compound	Results in ug / L
1,2-Dichloropropane	< 2.00
cis-1,3-Dichloropropene	< 2.00
trans-1,3-Dichloropropene	< 2.00
1,4-Dioxane	< 20.0
Ethylbenzene	< 2.00
Freon 113	< 2.00
2-Hexanone	< 5.00
Isopropylbenzene	< 2.00
Methyl acetate	< 2.00
Methyl tert-butyl Ether	< 2.00
Methylcyclohexane	< 2.00
Methylene chloride	< 5.00
4-Methyl-2-pentanone	< 5.00
Styrene	< 5.00
1,1,2,2-Tetrachloroethane	< 2.00
Tetrachloroethene	< 2.00
Toluene	< 2.00
1,2,3-Trichlorobenzene	< 5.00
1,2,4-Trichlorobenzene	< 5.00
1,1,1-Trichloroethane	< 2.00
1,1,2-Trichloroethane	< 2.00
Trichloroethene	< 2.00
Trichlorofluoromethane	< 2.00
Vinyl chloride	< 2.00
m,p-Xylene	< 2.00
o-Xylene	< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V95803.D

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water (Additional STARS Compounds)

Client: Turnkey Environmental

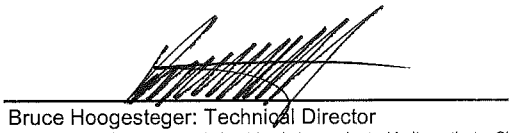
Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-02
Client Job Number:	0123-005-104		
Field Location:	MW-2	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	03/29/2012

Compound	Results in ug / L
n-Butylbenzene	< 2.00
sec-Butylbenzene	< 2.00
tert-Butylbenzene	< 2.00
p-Isopropyltoluene	< 2.00
Naphthalene	< 5.00

Compound	Results in ug / L
n-Propylbenzene	< 2.00
1,2,4-Trimethylbenzene	< 2.00
1,3,5-Trimethylbenzene	< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V95803.D

Comments: ug / L = microgram per Liter

Signature: 

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: MW-3
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-03

Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 03/29/2012

Compound	Results in ug / L
Acetone	J 6.57
Benzene	< 0.700
Bromochloromethane	< 5.00
Bromodichloromethane	< 2.00
Bromoform	< 5.00
Bromomethane	< 2.00
2-Butanone	< 10.0
Carbon disulfide	< 2.00
Carbon Tetrachloride	< 2.00
Chlorobenzene	< 2.00
Chloroethane	< 2.00
Chloroform	< 2.00
Chloromethane	< 2.00
Cyclohexane	< 10.0
Dibromochloromethane	< 2.00
1,2-Dibromo-3-Chloropropane	< 10.0
1,2-Dibromoethane	< 2.00
1,2-Dichlorobenzene	< 2.00
1,3-Dichlorobenzene	< 2.00
1,4-Dichlorobenzene	< 2.00
Dichlorodifluoromethane	< 2.00
1,1-Dichloroethane	< 2.00
1,2-Dichloroethane	< 2.00
1,1-Dichloroethene	< 2.00
cis-1,2-Dichloroethene	< 2.00
trans-1,2-Dichloroethene	< 2.00

Compound	Results in ug / L
1,2-Dichloropropane	< 2.00
cis-1,3-Dichloropropene	< 2.00
trans-1,3-Dichloropropene	< 2.00
1,4-Dioxane	< 20.0
Ethylbenzene	< 2.00
Freon 113	< 2.00
2-Hexanone	< 5.00
Isopropylbenzene	< 2.00
Methyl acetate	< 2.00
Methyl tert-butyl Ether	J 1.24
Methylcyclohexane	< 2.00
Methylene chloride	< 5.00
4-Methyl-2-pentanone	< 5.00
Styrene	< 5.00
1,1,2,2-Tetrachloroethane	< 2.00
Tetrachloroethene	< 2.00
Toluene	< 2.00
1,2,3-Trichlorobenzene	< 5.00
1,2,4-Trichlorobenzene	< 5.00
1,1,1-Trichloroethane	< 2.00
1,1,2-Trichloroethane	< 2.00
Trichloroethene	< 2.00
Trichlorofluoromethane	< 2.00
Vinyl chloride	< 2.00
m,p-Xylene	< 2.00
o-Xylene	< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V95804.D

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water (Additional STARS Compounds)

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: MW-3
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-03

Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 03/29/2012

Compound	Results in ug / L
n-Butylbenzene	< 2.00
sec-Butylbenzene	< 2.00
tert-Butylbenzene	< 2.00
p-Isopropyltoluene	< 2.00
Naphthalene	< 5.00

Compound	Results in ug / L
n-Propylbenzene	< 2.00
1,2,4-Trimethylbenzene	< 2.00
1,3,5-Trimethylbenzene	< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V95804.D

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: MW-4
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-04

Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 03/29/2012

Compound	Results in ug / L
Acetone	< 10.0
Benzene	< 0.700
Bromochloromethane	< 5.00
Bromodichloromethane	< 2.00
Bromoform	< 5.00
Bromomethane	< 2.00
2-Butanone	< 10.0
Carbon disulfide	< 2.00
Carbon Tetrachloride	< 2.00
Chlorobenzene	< 2.00
Chloroethane	< 2.00
Chloroform	< 2.00
Chloromethane	< 2.00
Cyclohexane	< 10.0
Dibromochloromethane	< 2.00
1,2-Dibromo-3-Chloropropane	< 10.0
1,2-Dibromoethane	< 2.00
1,2-Dichlorobenzene	< 2.00
1,3-Dichlorobenzene	< 2.00
1,4-Dichlorobenzene	< 2.00
Dichlorodifluoromethane	< 2.00
1,1-Dichloroethane	< 2.00
1,2-Dichloroethane	< 2.00
1,1-Dichloroethene	< 2.00
cis-1,2-Dichloroethene	< 2.00
trans-1,2-Dichloroethene	< 2.00

Compound	Results in ug / L
1,2-Dichloropropane	< 2.00
cis-1,3-Dichloropropene	< 2.00
trans-1,3-Dichloropropene	< 2.00
1,4-Dioxane	< 20.0
Ethylbenzene	< 2.00
Freon 113	< 2.00
2-Hexanone	< 5.00
Isopropylbenzene	< 2.00
Methyl acetate	< 2.00
Methyl tert-butyl Ether	2.30
Methylcyclohexane	< 2.00
Methylene chloride	< 5.00
4-Methyl-2-pentanone	< 5.00
Styrene	< 5.00
1,1,2,2-Tetrachloroethane	< 2.00
Tetrachloroethene	< 2.00
Toluene	< 2.00
1,2,3-Trichlorobenzene	< 5.00
1,2,4-Trichlorobenzene	< 5.00
1,1,1-Trichloroethane	< 2.00
1,1,2-Trichloroethane	< 2.00
Trichloroethene	< 2.00
Trichlorofluoromethane	< 2.00
Vinyl chloride	< 2.00
m,p-Xylene	< 2.00
o-Xylene	< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V95805.D

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water (Additional STARS Compounds)

Client: Turnkey Environmental

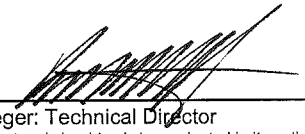
Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-04
Client Job Number:	0123-005-104		
Field Location:	MW-4	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	03/29/2012

Compound	Results in ug / L
n-Butylbenzene	< 2.00
sec-Butylbenzene	< 2.00
tert-Butylbenzene	< 2.00
p-Isopropyltoluene	< 2.00
Naphthalene	< 5.00

Compound	Results in ug / L
n-Propylbenzene	< 2.00
1,2,4-Trimethylbenzene	< 2.00
1,3,5-Trimethylbenzene	< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V95805.D

Comments: ug / L = microgram per Liter

Signature: 

Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: MW-5
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-05

Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 03/29/2012

Compound	Results in ug / L
Acetone	12.9
Benzene	< 0.700
Bromochloromethane	< 5.00
Bromodichloromethane	< 2.00
Bromoform	< 5.00
Bromomethane	< 2.00
2-Butanone	< 10.0
Carbon disulfide	< 2.00
Carbon Tetrachloride	< 2.00
Chlorobenzene	< 2.00
Chloroethane	< 2.00
Chloroform	< 2.00
Chloromethane	< 2.00
Cyclohexane	< 10.0
Dibromochloromethane	< 2.00
1,2-Dibromo-3-Chloropropane	< 10.0
1,2-Dibromoethane	< 2.00
1,2-Dichlorobenzene	< 2.00
1,3-Dichlorobenzene	< 2.00
1,4-Dichlorobenzene	< 2.00
Dichlorodifluoromethane	< 2.00
1,1-Dichloroethane	< 2.00
1,2-Dichloroethane	< 2.00
1,1-Dichloroethene	< 2.00
cis-1,2-Dichloroethene	< 2.00
trans-1,2-Dichloroethene	< 2.00

Compound	Results in ug / L
1,2-Dichloropropane	< 2.00
cis-1,3-Dichloropropene	< 2.00
trans-1,3-Dichloropropene	< 2.00
1,4-Dioxane	< 20.0
Ethylbenzene	< 2.00
Freon 113	< 2.00
2-Hexanone	< 5.00
Isopropylbenzene	< 2.00
Methyl acetate	< 2.00
Methyl tert-butyl Ether	4.63
Methylcyclohexane	< 2.00
Methylene chloride	< 5.00
4-Methyl-2-pentanone	< 5.00
Styrene	< 5.00
1,1,2,2-Tetrachloroethane	< 2.00
Tetrachloroethene	< 2.00
Toluene	< 2.00
1,2,3-Trichlorobenzene	< 5.00
1,2,4-Trichlorobenzene	< 5.00
1,1,1-Trichloroethane	< 2.00
1,1,2-Trichloroethane	< 2.00
Trichloroethene	< 2.00
Trichlorofluoromethane	< 2.00
Vinyl chloride	< 2.00
m,p-Xylene	< 2.00
o-Xylene	< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V95806.D

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water (Additional STARS Compounds)

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: MW-5
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-05
Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 03/29/2012

Compound	Results in ug / L
n-Butylbenzene	< 2.00
sec-Butylbenzene	< 2.00
tert-Butylbenzene	< 2.00
p-Isopropyltoluene	< 2.00
Naphthalene	< 5.00

Compound	Results in ug / L
n-Propylbenzene	< 2.00
1,2,4-Trimethylbenzene	< 2.00
1,3,5-Trimethylbenzene	< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V95806.D

Comments: ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: MW-6
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-06

Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 04/02/2012

Compound	Results in ug / L
Acetone	508
Benzene	< 7.00
Bromochloromethane	< 50.0
Bromodichloromethane	< 20.0
Bromoform	< 50.0
Bromomethane	< 20.0
2-Butanone	< 100
Carbon disulfide	< 20.0
Carbon Tetrachloride	< 20.0
Chlorobenzene	< 20.0
Chloroethane	< 20.0
Chloroform	< 20.0
Chloromethane	< 20.0
Cyclohexane	< 100
Dibromochloromethane	< 20.0
1,2-Dibromo-3-Chloropropane	< 100
1,2-Dibromoethane	< 20.0
1,2-Dichlorobenzene	< 20.0
1,3-Dichlorobenzene	< 20.0
1,4-Dichlorobenzene	< 20.0
Dichlorodifluoromethane	< 20.0
1,1-Dichloroethane	< 20.0
1,2-Dichloroethane	< 20.0
1,1-Dichloroethene	< 20.0
cis-1,2-Dichloroethene	< 20.0
trans-1,2-Dichloroethene	< 20.0

Compound	Results in ug / L
1,2-Dichloropropane	< 20.0
cis-1,3-Dichloropropene	< 20.0
trans-1,3-Dichloropropene	< 20.0
1,4-Dioxane	< 200
Ethylbenzene	< 20.0
Freon 113	< 20.0
2-Hexanone	< 50.0
Isopropylbenzene	< 20.0
Methyl acetate	< 20.0
Methyl tert-butyl Ether	< 20.0
Methylcyclohexane	< 20.0
Methylene chloride	J 26.5
4-Methyl-2-pentanone	< 50.0
Styrene	< 50.0
1,1,2,2-Tetrachloroethane	< 20.0
Tetrachloroethene	< 20.0
Toluene	< 20.0
1,2,3-Trichlorobenzene	< 50.0
1,2,4-Trichlorobenzene	< 50.0
1,1,1-Trichloroethane	< 20.0
1,1,2-Trichloroethane	< 20.0
Trichloroethene	< 20.0
Trichlorofluoromethane	< 20.0
Vinyl chloride	< 20.0
m,p-Xylene	< 20.0
o-Xylene	< 20.0

ELAP Number 10958 Method: EPA 8260B Data File: V95863.D

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water (Additional STARS Compounds)

Client: Turnkey Environmental

Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-06
Client Job Number:	0123-005-104		
Field Location:	MW-6	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	04/02/2012

Compound	Results in ug / L
n-Butylbenzene	< 20.0
sec-Butylbenzene	< 20.0
tert-Butylbenzene	< 20.0
p-Isopropyltoluene	< 20.0
Naphthalene	< 50.0

Compound	Results in ug / L
n-Propylbenzene	< 20.0
1,2,4-Trimethylbenzene	< 20.0
1,3,5-Trimethylbenzene	< 20.0

ELAP Number 10958 Method: EPA 8260B Data File: V95863.D

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: MW-7
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-07

Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 03/29/2012

Compound	Results in ug / L
Acetone	< 10.0
Benzene	< 0.700
Bromochloromethane	< 5.00
Bromodichloromethane	< 2.00
Bromoform	< 5.00
Bromomethane	< 2.00
2-Butanone	< 10.0
Carbon disulfide	< 2.00
Carbon Tetrachloride	< 2.00
Chlorobenzene	< 2.00
Chloroethane	< 2.00
Chloroform	< 2.00
Chloromethane	< 2.00
Cyclohexane	< 10.0
Dibromochloromethane	< 2.00
1,2-Dibromo-3-Chloropropane	< 10.0
1,2-Dibromoethane	< 2.00
1,2-Dichlorobenzene	< 2.00
1,3-Dichlorobenzene	< 2.00
1,4-Dichlorobenzene	< 2.00
Dichlorodifluoromethane	< 2.00
1,1-Dichloroethane	< 2.00
1,2-Dichloroethane	< 2.00
1,1-Dichloroethene	< 2.00
cis-1,2-Dichloroethene	< 2.00
trans-1,2-Dichloroethene	< 2.00

Compound	Results in ug / L
1,2-Dichloropropane	< 2.00
cis-1,3-Dichloropropene	< 2.00
trans-1,3-Dichloropropene	< 2.00
1,4-Dioxane	< 20.0
Ethylbenzene	< 2.00
Freon 113	< 2.00
2-Hexanone	< 5.00
Isopropylbenzene	< 2.00
Methyl acetate	< 2.00
Methyl tert-butyl Ether	< 2.00
Methylcyclohexane	< 2.00
Methylene chloride	< 5.00
4-Methyl-2-pentanone	< 5.00
Styrene	< 5.00
1,1,2,2-Tetrachloroethane	< 2.00
Tetrachloroethene	< 2.00
Toluene	< 2.00
1,2,3-Trichlorobenzene	< 5.00
1,2,4-Trichlorobenzene	< 5.00
1,1,1-Trichloroethane	< 2.00
1,1,2-Trichloroethane	< 2.00
Trichloroethene	< 2.00
Trichlorofluoromethane	< 2.00
Vinyl chloride	< 2.00
m,p-Xylene	< 2.00
o-Xylene	< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V95807.D

Comments: ug / L = microgram per Liter

Signature: 

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water (Additional STARS Compounds)

Client: Turnkey Environmental

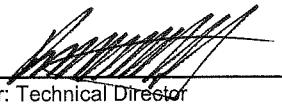
Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-07
Client Job Number:	0123-005-104		
Field Location:	MW-7	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	03/29/2012

Compound	Results in ug / L
n-Butylbenzene	< 2.00
sec-Butylbenzene	< 2.00
tert-Butylbenzene	< 2.00
p-Isopropyltoluene	< 2.00
Naphthalene	< 5.00

Compound	Results in ug / L
n-Propylbenzene	< 2.00
1,2,4-Trimethylbenzene	< 2.00
1,3,5-Trimethylbenzene	< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V95807.D

Comments: ug / L = microgram per Liter

Signature: 

Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: MW-8
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-08

Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 03/29/2012

Compound	Results in ug / L
Acetone	< 10.0
Benzene	< 0.700
Bromochloromethane	< 5.00
Bromodichloromethane	< 2.00
Bromoform	< 5.00
Bromomethane	< 2.00
2-Butanone	< 10.0
Carbon disulfide	< 2.00
Carbon Tetrachloride	< 2.00
Chlorobenzene	< 2.00
Chloroethane	< 2.00
Chloroform	< 2.00
Chloromethane	< 2.00
Cyclohexane	< 10.0
Dibromochloromethane	< 2.00
1,2-Dibromo-3-Chloropropane	< 10.0
1,2-Dibromoethane	< 2.00
1,2-Dichlorobenzene	< 2.00
1,3-Dichlorobenzene	< 2.00
1,4-Dichlorobenzene	< 2.00
Dichlorodifluoromethane	< 2.00
1,1-Dichloroethane	< 2.00
1,2-Dichloroethane	< 2.00
1,1-Dichloroethene	< 2.00
cis-1,2-Dichloroethene	< 2.00
trans-1,2-Dichloroethene	< 2.00

Compound	Results in ug / L
1,2-Dichloropropane	< 2.00
cis-1,3-Dichloropropene	< 2.00
trans-1,3-Dichloropropene	< 2.00
1,4-Dioxane	< 20.0
Ethylbenzene	< 2.00
Freon 113	< 2.00
2-Hexanone	< 5.00
Isopropylbenzene	< 2.00
Methyl acetate	< 2.00
Methyl tert-butyl Ether	< 2.00
Methylcyclohexane	< 2.00
Methylene chloride	< 5.00
4-Methyl-2-pentanone	< 5.00
Styrene	< 5.00
1,1,2,2-Tetrachloroethane	< 2.00
Tetrachloroethene	< 2.00
Toluene	< 2.00
1,2,3-Trichlorobenzene	< 5.00
1,2,4-Trichlorobenzene	< 5.00
1,1,1-Trichloroethane	< 2.00
1,1,2-Trichloroethane	< 2.00
Trichloroethene	< 2.00
Trichlorofluoromethane	< 2.00
Vinyl chloride	< 2.00
m,p-Xylene	< 2.00
o-Xylene	< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V95801.D

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water (Additional STARS Compounds)

Client: Turnkey Environmental

Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-08
Client Job Number:	0123-005-104		
Field Location:	MW-8	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	03/29/2012

Compound	Results in ug / L
n-Butylbenzene	< 2.00
sec-Butylbenzene	< 2.00
tert-Butylbenzene	< 2.00
p-Isopropyltoluene	< 2.00
Naphthalene	< 5.00

Compound	Results in ug / L
n-Propylbenzene	< 2.00
1,2,4-Trimethylbenzene	< 2.00
1,3,5-Trimethylbenzene	< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V95801.D

Comments: ug / L = microgram per Liter

Signature: 

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: MW-9
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-09

Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 03/29/2012

Compound	Results in ug / L	Compound	Results in ug / L
Acetone	19.1	1,2-Dichloropropane	< 2.00
Benzene	< 0.700	cis-1,3-Dichloropropene	< 2.00
Bromochloromethane	< 5.00	trans-1,3-Dichloropropene	< 2.00
Bromodichloromethane	< 2.00	1,4-Dioxane	< 20.0
Bromoform	< 5.00	Ethylbenzene	< 2.00
Bromomethane	< 2.00	Freon 113	< 2.00
2-Butanone	J 8.59	2-Hexanone	J 3.74
Carbon disulfide	< 2.00	Isopropylbenzene	< 2.00
Carbon Tetrachloride	< 2.00	Methyl acetate	< 2.00
Chlorobenzene	< 2.00	Methyl tert-butyl Ether	< 2.00
Chloroethane	< 2.00	Methylcyclohexane	< 2.00
Chloroform	< 2.00	Methylene chloride	< 5.00
Chloromethane	< 2.00	4-Methyl-2-pentanone	< 5.00
Cyclohexane	< 10.0	Styrene	< 5.00
Dibromochloromethane	< 2.00	1,1,2,2-Tetrachloroethane	< 2.00
1,2-Dibromo-3-Chloropropane	< 10.0	Tetrachloroethene	< 2.00
1,2-Dibromoethane	< 2.00	Toluene	< 2.00
1,2-Dichlorobenzene	< 2.00	1,2,3-Trichlorobenzene	< 5.00
1,3-Dichlorobenzene	< 2.00	1,2,4-Trichlorobenzene	< 5.00
1,4-Dichlorobenzene	< 2.00	1,1,1-Trichloroethane	< 2.00
Dichlorodifluoromethane	< 2.00	1,1,2-Trichloroethane	< 2.00
1,1-Dichloroethane	< 2.00	Trichloroethene	< 2.00
1,2-Dichloroethane	< 2.00	Trichlorofluoromethane	< 2.00
1,1-Dichloroethene	< 2.00	Vinyl chloride	< 2.00
cis-1,2-Dichloroethene	< 2.00	m,p-Xylene	< 2.00
trans-1,2-Dichloroethene	< 2.00	o-Xylene	< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V95808.D

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water (Additional STARS Compounds)

Client: Turnkey Environmental

Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-09
Client Job Number:	0123-005-104		
Field Location:	MW-9	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	03/29/2012

Compound	Results in ug / L
n-Butylbenzene	< 2.00
sec-Butylbenzene	< 2.00
tert-Butylbenzene	< 2.00
p-Isopropyltoluene	< 2.00
Naphthalene	< 5.00

Compound	Results in ug / L
n-Propylbenzene	< 2.00
1,2,4-Trimethylbenzene	< 2.00
1,3,5-Trimethylbenzene	< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V95808.D

Comments: ug / L = microgram per Liter

Signature: 

Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: Blind Dup
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-10

Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 03/29/2012

Compound	Results in ug / L
Acetone	< 10.0
Benzene	< 0.700
Bromochloromethane	< 5.00
Bromodichloromethane	< 2.00
Bromoform	< 5.00
Bromomethane	< 2.00
2-Butanone	< 10.0
Carbon disulfide	< 2.00
Carbon Tetrachloride	< 2.00
Chlorobenzene	< 2.00
Chloroethane	< 2.00
Chloroform	< 2.00
Chloromethane	< 2.00
Cyclohexane	< 10.0
Dibromochloromethane	< 2.00
1,2-Dibromo-3-Chloropropane	< 10.0
1,2-Dibromoethane	< 2.00
1,2-Dichlorobenzene	< 2.00
1,3-Dichlorobenzene	< 2.00
1,4-Dichlorobenzene	< 2.00
Dichlorodifluoromethane	< 2.00
1,1-Dichloroethane	< 2.00
1,2-Dichloroethane	< 2.00
1,1-Dichloroethene	< 2.00
cis-1,2-Dichloroethene	< 2.00
trans-1,2-Dichloroethene	< 2.00

Compound	Results in ug / L
1,2-Dichloropropane	< 2.00
cis-1,3-Dichloropropene	< 2.00
trans-1,3-Dichloropropene	< 2.00
1,4-Dioxane	< 20.0
Ethylbenzene	< 2.00
Freon 113	< 2.00
2-Hexanone	< 5.00
Isopropylbenzene	< 2.00
Methyl acetate	< 2.00
Methyl tert-butyl Ether	< 2.00
Methylcyclohexane	< 2.00
Methylene chloride	< 5.00
4-Methyl-2-pentanone	< 5.00
Styrene	< 5.00
1,1,2,2-Tetrachloroethane	< 2.00
Tetrachloroethene	< 2.00
Toluene	< 2.00
1,2,3-Trichlorobenzene	< 5.00
1,2,4-Trichlorobenzene	< 5.00
1,1,1-Trichloroethane	< 2.00
1,1,2-Trichloroethane	< 2.00
Trichloroethene	< 2.00
Trichlorofluoromethane	< 2.00
Vinyl chloride	< 2.00
m,p-Xylene	< 2.00
o-Xylene	< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V95809.D

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water (Additional STARS Compounds)

Client: Turnkey Environmental

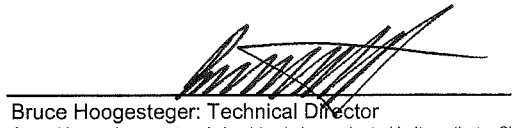
Client Job Site:	348 Langner	**Lab Project Number:**	12:1288
		Lab Sample Number:	12:1288-10
Client Job Number:	0123-005-104		
Field Location:	Blind Dup	**Date Sampled:**	03/27/2012
Field ID Number:	N/A	**Date Received:**	03/28/2012
Sample Type:	Water	**Date Analyzed:**	03/29/2012

Compound	Results in ug / L
n-Butylbenzene	< 2.00
sec-Butylbenzene	< 2.00
tert-Butylbenzene	< 2.00
p-Isopropyltoluene	< 2.00
Naphthalene	< 5.00

Compound	Results in ug / L
n-Propylbenzene	< 2.00
1,2,4-Trimethylbenzene	< 2.00
1,3,5-Trimethylbenzene	< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V95809.D

Comments: ug / L = microgram per Liter

Signature: 

Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: Trip Blank
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-11
Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 03/29/2012

Compound	Results in ug / L
Acetone	< 10.0
Benzene	< 0.700
Bromochloromethane	< 5.00
Bromodichloromethane	< 2.00
Bromoform	< 5.00
Bromomethane	< 2.00
2-Butanone	< 10.0
Carbon disulfide	< 2.00
Carbon Tetrachloride	< 2.00
Chlorobenzene	< 2.00
Chloroethane	< 2.00
Chloroform	< 2.00
Chloromethane	< 2.00
Cyclohexane	< 10.0
Dibromochloromethane	< 2.00
1,2-Dibromo-3-Chloropropane	< 10.0
1,2-Dibromoethane	< 2.00
1,2-Dichlorobenzene	< 2.00
1,3-Dichlorobenzene	< 2.00
1,4-Dichlorobenzene	< 2.00
Dichlorodifluoromethane	< 2.00
1,1-Dichloroethane	< 2.00
1,2-Dichloroethane	< 2.00
1,1-Dichloroethene	< 2.00
cis-1,2-Dichloroethene	< 2.00
trans-1,2-Dichloroethene	< 2.00

Compound	Results in ug / L
1,2-Dichloropropane	< 2.00
cis-1,3-Dichloropropene	< 2.00
trans-1,3-Dichloropropene	< 2.00
1,4-Dioxane	< 20.0
Ethylbenzene	< 2.00
Freon 113	< 2.00
2-Hexanone	< 5.00
Isopropylbenzene	< 2.00
Methyl acetate	< 2.00
Methyl tert-butyl Ether	< 2.00
Methylcyclohexane	< 2.00
Methylene chloride	< 5.00
4-Methyl-2-pentanone	< 5.00
Styrene	< 5.00
1,1,2,2-Tetrachloroethane	< 2.00
Tetrachloroethene	< 2.00
Toluene	< 2.00
1,2,3-Trichlorobenzene	< 5.00
1,2,4-Trichlorobenzene	< 5.00
1,1,1-Trichloroethane	< 2.00
1,1,2-Trichloroethane	< 2.00
Trichloroethene	< 2.00
Trichlorofluoromethane	< 2.00
Vinyl chloride	< 2.00
m,p-Xylene	< 2.00
o-Xylene	< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V95800.D

Comments: ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water (Additional STARS Compounds)

Client: Turnkey Environmental

Client Job Site: 348 Langner
Client Job Number: 0123-005-104
Field Location: Trip Blank
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 12:1288
Lab Sample Number: 12:1288-11
Date Sampled: 03/27/2012
Date Received: 03/28/2012
Date Analyzed: 03/29/2012

Compound	Results in ug / L
n-Butylbenzene	< 2.00
sec-Butylbenzene	< 2.00
tert-Butylbenzene	< 2.00
p-Isopropyltoluene	< 2.00
Naphthalene	< 5.00

Compound	Results in ug / L
n-Propylbenzene	< 2.00
1,2,4-Trimethylbenzene	< 2.00
1,3,5-Trimethylbenzene	< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V95800.D

Comments: ug / L = microgram per Liter

Signature: 

Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY: Turnkey	COMPANY:	LAB PROJECT #: 12:1288 / CLIENT PROJECT #: 0123-005-104
ADDRESS: 2558 Hamburg Turnpike Suite 300	ADDRESS:	
CITY: Buffalo STATE: NY ZIP: 14218	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS) STD / OTHER
PHONE: 716 856-0599 FAX:	PHONE: FAX:	☐ 1 ☐ 2 ☐ 3 ☒ 5 ☐ 10
PROJECT NAME/SITE NAME: 348 Langner	ATTN:	ATTN: QUOTE #: per JH 3/28 EAH 3/28
COMMENTS: 4 trip Blanks included in coolers		

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TCL+Stars VOC	TCL SVOC	PCBs	Pest	Herb	Cyanide	Tal Metals	REMARKS	PARADIGM LAB SAMPLE NUMBER
															ASP Cat B, report 8270 ABN ASP 2008, 8260 TCL ASP 2008 + ★ per site history. EAH 3/28	
1	~~3/27/12~~ MW-1	10:20		X	MW-1	GW	8	X	X	X	X	X	X	X	TAL metals Dissolved only	01
2	3/27/12	10:55			MW-2		8	X	X	X	X	X	X	X	Please filter in Lab	02
3		14:40			MW-3		8	X	X	X	X	X	X	X		03
4		14:10			MW-4		8	X	X	X	X	X	X	X		04
5		13:45			MW-5		8	X	X	X	X	X	X	X		05
6		11:40			MW-6 HAB. Some soap ~~Soap~~		8	X	X	X	X	X	X	X		06
7		13:10			MW-7		8	X	X	X	X	X	X	X		07
8		9:20			MW-8 (MS/MSD)		24	X	X	X	X	X	X	X		08
9		12:10			MW-9		8	X	X	X	X	X	X	X		09
10	↓	8:00		↓	Blind Dup	↓	8	X	X	X	X	X	X	X	↓	10
	LAB USE ONLY BELOW THIS LINE 3/27/12				Trip Blank	W	4	X							Choose 1 tripblank to analyze per JH 3/28. EAH 3/28	11

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Comments:		
Preservation:	Y ☒	N ☐
Comments:		
Holding Time:	Y ☒	N ☐
Comments:		
Temperature:	Y ☒	N ☐
Comments: 4°C cged from temp blk @ 1255 3/28/12		

Paul W Werthman	3/27/12 17:00	Rec'd w/custody seals intact. EAH 3/28
Sampled By	Date/Time	
Relinquished By	3/27/12 17:00	Total Cost:
Received By	3/28/12 0801	
Received @ Lab By	3/28/12 1413	P.I.F.

PARADIGM

CHAIN OF CUSTODY

H2M: ELAP ID: 10478

REPORT TO:		INVOICE TO:			
COMPANY: Paradigm Environmental		COMPANY: Same		LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:		ADDRESS:			
CITY: STATE: ZIP:		CITY: STATE: ZIP:		TURNAROUND TIME: (WORKING DAYS)	
PHONE:	FAX:	PHONE:	FAX:	☐ 1 ☐ 2 ☐ 3 ☒ 5 STD	☐ OTHER
PROJECT NAME/SITE NAME:	ATTN: Jane Daloia	ATTN: Meridith Dillman			
	COMMENTS: Please email results to khansen@paradigmenv.com and jdaloia@paradigmenv.com			Date Due: 4/5/12	

REQUESTED ANALYSIS

Remarks: ASP Cat B Package; SW846-HTS, SDG# 1288-01 (open); Package due 4/18/12

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Herbicides	TCN	REMARKS (Client ID)	PARADIGM LAB SAMPLE NUMBER 1203A26
1	3/27	1020			12:1288-01	GW	2	X	X	MW-1	
2		1055			02					MW-2	
3		1440			03					MW-3	
4		1410			04					MW-4	
5		1345			05					MW-5	
6		1140			06					sample is soapy! MW-6	
7		1310			07					MW-7	
8		920			08		6			(← Run MS/MSD!) MW-8	
9		1210			09		2			MW-9	
10		800			10					Blind Dup	

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☐	N ☐
Comments:		
Preservation:	Y ☐	N ☐
Comments:		
Holding Time:	Y ☐	N ☐
Comments:		
Temperature:	Y ☐	N ☐
Comments: .1°C & .6°C		

Client

	Date/Time
Sampled By	
[signature]	3/28/12 1600
Relinquished By	Date/Time
[signature]	
Received By	Date/Time
	3/29/12 10:01
Received @ Lab By	Date/Time

Total Cost:

P.I.F.

ANALYTICAL REPORT

Lab Number:	L1216169
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	348 LANGNER RD SITE
Project Number:	0123-005-102
Report Date:	09/13/12

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102

Lab Number: L1216169
Report Date: 09/13/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1216169-01	PRODUCT LINES BOTTOM 1	348 LANGNER RD	09/11/12 15:30
L1216169-02	PRODUCT LINES BOTTOM 2	348 LANGNER RD	09/11/12 15:45
L1216169-03	PRODUCT LINES BOTTOM 3	348 LANGNER RD	09/11/12 16:00

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102

Lab Number: L1216169
Report Date: 09/13/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1216169
Project Number:	0123-005-102	**Report Date:**	09/13/12

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 09/13/12

ORGANICS

VOLATILES

Project Name: 348 LANGNER RD SITE **Lab Number:** L1216169

Project Number: 0123-005-102 **Report Date:** 09/13/12

SAMPLE RESULTS

Lab ID: L1216169-01
Client ID: PRODUCT LINES BOTTOM 1
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/12/12 14:21
Analyst: BN
Percent Solids: 84%

Date Collected: 09/11/12 15:30
Date Received: 09/11/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	30	6.0	1
1,1-Dichloroethane	ND		ug/kg	4.5	0.88	1
Chloroform	ND		ug/kg	4.5	0.97	1
Carbon tetrachloride	ND		ug/kg	3.0	0.63	1
1,2-Dichloropropane	ND		ug/kg	10	0.76	1
Dibromochloromethane	ND		ug/kg	3.0	0.92	1
1,1,2-Trichloroethane	ND		ug/kg	4.5	1.2	1
Tetrachloroethene	ND		ug/kg	3.0	0.91	1
Chlorobenzene	ND		ug/kg	3.0	0.55	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.0	0.68	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.80	1
Bromodichloromethane	ND		ug/kg	3.0	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.89	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.80	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.71	1
Benzene	ND		ug/kg	3.0	0.88	1
Toluene	ND		ug/kg	4.5	0.72	1
Ethylbenzene	ND		ug/kg	3.0	0.66	1
Chloromethane	ND		ug/kg	15	2.3	1
Bromomethane	ND		ug/kg	6.0	1.9	1
Vinyl chloride	ND		ug/kg	6.0	2.2	1
Chloroethane	ND		ug/kg	6.0	1.3	1
1,1-Dichloroethene	ND		ug/kg	3.0	0.77	1
trans-1,2-Dichloroethene	ND		ug/kg	4.5	1.2	1
Trichloroethene	ND		ug/kg	3.0	0.67	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.2	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1216169

Project Number: 0123-005-102 **Report Date:** 09/13/12

SAMPLE RESULTS

Lab ID: L1216169-01 Date Collected: 09/11/12 15:30

Client ID: PRODUCT LINES BOTTOM 1 Date Received: 09/11/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.0	1.4	1
p/m-Xylene	ND		ug/kg	6.0	1.3	1
o-Xylene	ND		ug/kg	6.0	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.90	1
Dibromomethane	ND		ug/kg	30	1.3	1
Styrene	ND		ug/kg	6.0	2.2	1
Dichlorodifluoromethane	ND		ug/kg	30	1.2	1
Acetone	ND		ug/kg	30	9.6	1
Carbon disulfide	ND		ug/kg	30	1.1	1
2-Butanone	ND		ug/kg	30	12.	1
Vinyl acetate	ND		ug/kg	30	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	30	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	30	1.2	1
2-Hexanone	ND		ug/kg	30	1.2	1
Bromochloromethane	ND		ug/kg	15	0.90	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	0.98	1
Bromobenzene	ND		ug/kg	15	0.66	1
n-Butylbenzene	ND		ug/kg	3.0	0.94	1
sec-Butylbenzene	ND		ug/kg	3.0	0.82	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.93	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	ND		ug/kg	3.0	0.53	1
p-Isopropyltoluene	ND		ug/kg	3.0	0.81	1
Naphthalene	ND		ug/kg	15	2.3	1
Acrylonitrile	ND		ug/kg	30	1.1	1
n-Propylbenzene	ND		ug/kg	3.0	0.84	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.7	1
1,4-Dioxane	ND		ug/kg	300	52.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.60	1
4-Ethyltoluene	ND		ug/kg	12	0.29	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1216169

Project Number: 0123-005-102 **Report Date:** 09/13/12

SAMPLE RESULTS

Lab ID: L1216169-01 Date Collected: 09/11/12 15:30

Client ID: PRODUCT LINES BOTTOM 1 Date Received: 09/11/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.54	1
Ethyl ether	ND		ug/kg	15	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	102		70-130

Project Name: 348 LANGNER RD SITE **Lab Number:** L1216169

Project Number: 0123-005-102 **Report Date:** 09/13/12

SAMPLE RESULTS

Lab ID: L1216169-02
Client ID: PRODUCT LINES BOTTOM 2
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/12/12 14:55
Analyst: BN
Percent Solids: 85%

Date Collected: 09/11/12 15:45
Date Received: 09/11/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	29	5.9	1
1,1-Dichloroethane	ND		ug/kg	4.4	0.87	1
Chloroform	ND		ug/kg	4.4	0.95	1
Carbon tetrachloride	ND		ug/kg	2.9	0.62	1
1,2-Dichloropropane	ND		ug/kg	10	0.75	1
Dibromochloromethane	ND		ug/kg	2.9	0.90	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	1.2	1
Tetrachloroethene	ND		ug/kg	2.9	0.90	1
Chlorobenzene	ND		ug/kg	2.9	0.55	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	2.9	0.67	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	0.79	1
Bromodichloromethane	ND		ug/kg	2.9	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	0.88	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	0.78	1
1,1-Dichloropropene	ND		ug/kg	15	1.3	1
Bromoform	ND		ug/kg	12	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	0.71	1
Benzene	6.8		ug/kg	2.9	0.87	1
Toluene	12		ug/kg	4.4	0.71	1
Ethylbenzene	1.5	J	ug/kg	2.9	0.65	1
Chloromethane	ND		ug/kg	15	2.3	1
Bromomethane	ND		ug/kg	5.9	1.9	1
Vinyl chloride	ND		ug/kg	5.9	2.2	1
Chloroethane	ND		ug/kg	5.9	1.3	1
1,1-Dichloroethene	ND		ug/kg	2.9	0.76	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	1.2	1
Trichloroethene	ND		ug/kg	2.9	0.66	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.2	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1216169

Project Number: 0123-005-102 **Report Date:** 09/13/12

SAMPLE RESULTS

Lab ID: L1216169-02 Date Collected: 09/11/12 15:45

Client ID: PRODUCT LINES BOTTOM 2 Date Received: 09/11/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	1.6	J	ug/kg	5.9	1.4	1
p/m-Xylene	9.1		ug/kg	5.9	1.3	1
o-Xylene	5.5	J	ug/kg	5.9	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	0.89	1
Dibromomethane	ND		ug/kg	29	1.3	1
Styrene	ND		ug/kg	5.9	2.1	1
Dichlorodifluoromethane	ND		ug/kg	29	1.1	1
Acetone	52		ug/kg	29	9.5	1
Carbon disulfide	ND		ug/kg	29	1.1	1
2-Butanone	ND		ug/kg	29	11.	1
Vinyl acetate	ND		ug/kg	29	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	29	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	29	1.1	1
2-Hexanone	ND		ug/kg	29	1.2	1
Bromochloromethane	ND		ug/kg	15	0.89	1
2,2-Dichloropropane	ND		ug/kg	15	2.3	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.96	1
Bromobenzene	ND		ug/kg	15	0.65	1
n-Butylbenzene	ND		ug/kg	2.9	0.92	1
sec-Butylbenzene	ND		ug/kg	2.9	0.81	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.92	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.3	1
Isopropylbenzene	ND		ug/kg	2.9	0.52	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.80	1
Naphthalene	ND		ug/kg	15	2.3	1
Acrylonitrile	ND		ug/kg	29	1.1	1
n-Propylbenzene	ND		ug/kg	2.9	0.84	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.7	1
1,4-Dioxane	ND		ug/kg	290	51.	1
1,4-Diethylbenzene	0.69	J	ug/kg	12	0.59	1
4-Ethyltoluene	ND		ug/kg	12	0.28	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1216169

Project Number: 0123-005-102 **Report Date:** 09/13/12

SAMPLE RESULTS

Lab ID: L1216169-02 Date Collected: 09/11/12 15:45

Client ID: PRODUCT LINES BOTTOM 2 Date Received: 09/11/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.53	1
Ethyl ether	ND		ug/kg	15	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	98		70-130

Project Name: 348 LANGNER RD SITE **Lab Number:** L1216169

Project Number: 0123-005-102 **Report Date:** 09/13/12

SAMPLE RESULTS

Lab ID: L1216169-03
Client ID: PRODUCT LINES BOTTOM 3
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/12/12 15:29
Analyst: BN
Percent Solids: 80%

Date Collected: 09/11/12 16:00
Date Received: 09/11/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	31	6.2	1
1,1-Dichloroethane	ND		ug/kg	4.7	0.92	1
Chloroform	ND		ug/kg	4.7	1.0	1
Carbon tetrachloride	ND		ug/kg	3.1	0.66	1
1,2-Dichloropropane	ND		ug/kg	11	0.80	1
Dibromochloromethane	ND		ug/kg	3.1	0.96	1
1,1,2-Trichloroethane	ND		ug/kg	4.7	1.2	1
Tetrachloroethene	ND		ug/kg	3.1	0.96	1
Chlorobenzene	ND		ug/kg	3.1	0.58	1
Trichlorofluoromethane	ND		ug/kg	16	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.1	0.71	1
1,1,1-Trichloroethane	ND		ug/kg	3.1	0.84	1
Bromodichloromethane	ND		ug/kg	3.1	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.1	0.94	1
cis-1,3-Dichloropropene	ND		ug/kg	3.1	0.84	1
1,1-Dichloropropene	ND		ug/kg	16	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.1	0.75	1
Benzene	5.5		ug/kg	3.1	0.93	1
Toluene	1.4	J	ug/kg	4.7	0.76	1
Ethylbenzene	ND		ug/kg	3.1	0.69	1
Chloromethane	ND		ug/kg	16	2.4	1
Bromomethane	ND		ug/kg	6.2	2.0	1
Vinyl chloride	ND		ug/kg	6.2	2.4	1
Chloroethane	ND		ug/kg	6.2	1.4	1
1,1-Dichloroethene	ND		ug/kg	3.1	0.81	1
trans-1,2-Dichloroethene	ND		ug/kg	4.7	1.2	1
Trichloroethene	ND		ug/kg	3.1	0.70	1
1,2-Dichlorobenzene	ND		ug/kg	16	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	16	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	16	1.3	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1216169

Project Number: 0123-005-102 **Report Date:** 09/13/12

SAMPLE RESULTS

Lab ID: L1216169-03 Date Collected: 09/11/12 16:00

Client ID: PRODUCT LINES BOTTOM 3 Date Received: 09/11/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.2	1.5	1
p/m-Xylene	ND		ug/kg	6.2	1.3	1
o-Xylene	ND		ug/kg	6.2	1.3	1
cis-1,2-Dichloroethene	ND		ug/kg	3.1	0.94	1
Dibromomethane	ND		ug/kg	31	1.4	1
Styrene	ND		ug/kg	6.2	2.3	1
Dichlorodifluoromethane	ND		ug/kg	31	1.2	1
Acetone	ND		ug/kg	31	10.	1
Carbon disulfide	ND		ug/kg	31	1.2	1
2-Butanone	ND		ug/kg	31	12.	1
Vinyl acetate	ND		ug/kg	31	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	31	2.6	1
1,2,3-Trichloropropane	ND		ug/kg	31	1.2	1
2-Hexanone	ND		ug/kg	31	1.2	1
Bromochloromethane	ND		ug/kg	16	0.94	1
2,2-Dichloropropane	ND		ug/kg	16	2.5	1
1,2-Dibromoethane	ND		ug/kg	12	1.3	1
1,3-Dichloropropane	ND		ug/kg	16	1.8	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.1	1.0	1
Bromobenzene	ND		ug/kg	16	0.69	1
n-Butylbenzene	ND		ug/kg	3.1	0.98	1
sec-Butylbenzene	ND		ug/kg	3.1	0.86	1
tert-Butylbenzene	ND		ug/kg	16	1.9	1
o-Chlorotoluene	ND		ug/kg	16	0.98	1
p-Chlorotoluene	ND		ug/kg	16	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	16	2.6	1
Hexachlorobutadiene	ND		ug/kg	16	1.4	1
Isopropylbenzene	ND		ug/kg	3.1	0.55	1
p-Isopropyltoluene	ND		ug/kg	3.1	0.85	1
Naphthalene	ND		ug/kg	16	2.4	1
Acrylonitrile	ND		ug/kg	31	1.2	1
n-Propylbenzene	ND		ug/kg	3.1	0.89	1
1,2,3-Trichlorobenzene	ND		ug/kg	16	1.3	1
1,2,4-Trichlorobenzene	ND		ug/kg	16	2.5	1
1,3,5-Trimethylbenzene	ND		ug/kg	16	1.9	1
1,2,4-Trimethylbenzene	ND		ug/kg	16	1.8	1
1,4-Dioxane	ND		ug/kg	310	54.	1
1,4-Diethylbenzene	0.78	J	ug/kg	12	0.62	1
4-Ethyltoluene	ND		ug/kg	12	0.30	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1216169

Project Number: 0123-005-102 **Report Date:** 09/13/12

SAMPLE RESULTS

Lab ID: L1216169-03 Date Collected: 09/11/12 16:00

Client ID: PRODUCT LINES BOTTOM 3 Date Received: 09/11/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.56	1
Ethyl ether	ND		ug/kg	16	1.2	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	16	4.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	100		70-130

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1216169
Report Date: 09/13/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/12/12 08:40
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG560453-3					
Methylene chloride	ND		ug/kg	25	5.0
1,1-Dichloroethane	ND		ug/kg	3.8	0.74
Chloroform	ND		ug/kg	3.8	0.81
Carbon tetrachloride	ND		ug/kg	2.5	0.53
1,2-Dichloropropane	ND		ug/kg	8.8	0.64
Dibromochloromethane	ND		ug/kg	2.5	0.77
1,1,2-Trichloroethane	ND		ug/kg	3.8	0.98
Tetrachloroethene	ND		ug/kg	2.5	0.76
Chlorobenzene	ND		ug/kg	2.5	0.46
Trichlorofluoromethane	ND		ug/kg	12	0.98
1,2-Dichloroethane	ND		ug/kg	2.5	0.57
1,1,1-Trichloroethane	ND		ug/kg	2.5	0.67
Bromodichloromethane	ND		ug/kg	2.5	0.96
trans-1,3-Dichloropropene	ND		ug/kg	2.5	0.75
cis-1,3-Dichloropropene	ND		ug/kg	2.5	0.67
1,1-Dichloropropene	ND		ug/kg	12	1.1
Bromoform	ND		ug/kg	10	1.2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	0.60
Benzene	ND		ug/kg	2.5	0.74
Toluene	ND		ug/kg	3.8	0.60
Ethylbenzene	ND		ug/kg	2.5	0.55
Chloromethane	ND		ug/kg	12	2.0
Bromomethane	ND		ug/kg	5.0	1.6
Vinyl chloride	ND		ug/kg	5.0	1.9
Chloroethane	ND		ug/kg	5.0	1.1
1,1-Dichloroethene	ND		ug/kg	2.5	0.65
trans-1,2-Dichloroethene	ND		ug/kg	3.8	0.98
Trichloroethene	ND		ug/kg	2.5	0.56
1,2-Dichlorobenzene	ND		ug/kg	12	0.91
1,3-Dichlorobenzene	ND		ug/kg	12	1.0
1,4-Dichlorobenzene	ND		ug/kg	12	1.0

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1216169
Report Date: 09/13/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/12/12 08:40
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG560453-3					
Methyl tert butyl ether	ND		ug/kg	5.0	1.2
p/m-Xylene	ND		ug/kg	5.0	1.1
o-Xylene	ND		ug/kg	5.0	1.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5	0.75
Dibromomethane	ND		ug/kg	25	1.1
Styrene	ND		ug/kg	5.0	1.8
Dichlorodifluoromethane	ND		ug/kg	25	0.97
Acetone	ND		ug/kg	25	8.1
Carbon disulfide	ND		ug/kg	25	0.94
2-Butanone	ND		ug/kg	25	9.7
Vinyl acetate	ND		ug/kg	25	1.9
4-Methyl-2-pentanone	ND		ug/kg	25	2.0
1,2,3-Trichloropropane	ND		ug/kg	25	0.97
2-Hexanone	ND		ug/kg	25	0.99
Bromochloromethane	ND		ug/kg	12	0.76
2,2-Dichloropropane	ND		ug/kg	12	2.0
1,2-Dibromoethane	ND		ug/kg	10	1.0
1,3-Dichloropropane	ND		ug/kg	12	1.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	0.82
Bromobenzene	ND		ug/kg	12	0.55
n-Butylbenzene	ND		ug/kg	2.5	0.79
sec-Butylbenzene	ND		ug/kg	2.5	0.69
tert-Butylbenzene	ND		ug/kg	12	1.5
o-Chlorotoluene	ND		ug/kg	12	0.78
p-Chlorotoluene	ND		ug/kg	12	0.90
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	2.1
Hexachlorobutadiene	ND		ug/kg	12	1.1
Isopropylbenzene	ND		ug/kg	2.5	0.44
p-Isopropyltoluene	ND		ug/kg	2.5	0.68
Naphthalene	ND		ug/kg	12	1.9
Acrylonitrile	ND		ug/kg	25	0.94

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1216169
Report Date: 09/13/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/12/12 08:40
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG560453-3					
n-Propylbenzene	ND		ug/kg	2.5	0.71
1,2,3-Trichlorobenzene	ND		ug/kg	12	1.0
1,2,4-Trichlorobenzene	ND		ug/kg	12	2.0
1,3,5-Trimethylbenzene	ND		ug/kg	12	1.5
1,2,4-Trimethylbenzene	ND		ug/kg	12	1.4
1,4-Dioxane	ND		ug/kg	250	44.
1,4-Diethylbenzene	ND		ug/kg	10	0.50
4-Ethyltoluene	ND		ug/kg	10	0.24
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	0.45
Ethyl ether	ND		ug/kg	12	0.95
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.7

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-102

Lab Number: L1216169

Report Date: 09/13/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG560453-1 WG560453-2								
Methylene chloride	83		80		70-130	4		30
1,1-Dichloroethane	94		92		70-130	2		30
Chloroform	102		99		70-130	3		30
Carbon tetrachloride	118		114		70-130	3		30
1,2-Dichloropropane	88		85		70-130	3		30
Dibromochloromethane	112		108		70-130	4		30
1,1,2-Trichloroethane	99		97		70-130	2		30
Tetrachloroethene	112		107		70-130	5		30
Chlorobenzene	99		94		70-130	5		30
Trichlorofluoromethane	107		102		70-139	5		30
1,2-Dichloroethane	112		108		70-130	4		30
1,1,1-Trichloroethane	103		100		70-130	3		30
Bromodichloromethane	103		100		70-130	3		30
trans-1,3-Dichloropropene	89		87		70-130	2		30
cis-1,3-Dichloropropene	92		88		70-130	4		30
1,1-Dichloropropene	101		95		70-130	6		30
Bromoform	106		104		70-130	2		30
1,1,2,2-Tetrachloroethane	90		87		70-130	3		30
Benzene	93		90		70-130	3		30
Toluene	96		93		70-130	3		30
Ethylbenzene	98		94		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-102

Lab Number: L1216169

Report Date: 09/13/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG560453-1 WG560453-2								
Chloromethane	97		88		52-130	10		30
Bromomethane	94		98		57-147	4		30
Vinyl chloride	112		105		67-130	6		30
Chloroethane	91		89		50-151	2		30
1,1-Dichloroethene	96		92		65-135	4		30
trans-1,2-Dichloroethene	98		94		70-130	4		30
Trichloroethene	102		98		70-130	4		30
1,2-Dichlorobenzene	97		96		70-130	1		30
1,3-Dichlorobenzene	97		95		70-130	2		30
1,4-Dichlorobenzene	97		95		70-130	2		30
Methyl tert butyl ether	97		93		66-130	4		30
p/m-Xylene	97		94		70-130	3		30
o-Xylene	96		93		70-130	3		30
cis-1,2-Dichloroethene	99		96		70-130	3		30
Dibromomethane	105		100		70-130	5		30
Styrene	97		94		70-130	3		30
Dichlorodifluoromethane	89		84		30-146	6		30
Acetone	96		89		54-140	8		30
Carbon disulfide	79		74		59-130	7		30
2-Butanone	87		87		70-130	0		30
Vinyl acetate	96		91		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-102

Lab Number: L1216169

Report Date: 09/13/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG560453-1 WG560453-2								
4-Methyl-2-pentanone	84		84		70-130	0		30
1,2,3-Trichloropropane	94		93		68-130	1		30
2-Hexanone	92		92		70-130	0		30
Bromochloromethane	98		97		70-130	1		30
2,2-Dichloropropane	85		82		70-130	4		30
1,2-Dibromoethane	116		109		70-130	6		30
1,3-Dichloropropane	100		95		69-130	5		30
1,1,1,2-Tetrachloroethane	108		105		70-130	3		30
Bromobenzene	97		97		70-130	0		30
n-Butylbenzene	101		97		70-130	4		30
sec-Butylbenzene	97		94		70-130	3		30
tert-Butylbenzene	100		98		70-130	2		30
o-Chlorotoluene	96		93		70-130	3		30
p-Chlorotoluene	93		92		70-130	1		30
1,2-Dibromo-3-chloropropane	97		94		68-130	3		30
Hexachlorobutadiene	104		106		67-130	2		30
Isopropylbenzene	101		96		70-130	5		30
p-Isopropyltoluene	101		98		70-130	3		30
Naphthalene	88		90		70-130	2		30
Acrylonitrile	89		83		70-130	7		30
n-Propylbenzene	95		92		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-102

Lab Number: L1216169

Report Date: 09/13/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG560453-1 WG560453-2								
1,2,3-Trichlorobenzene	100		101		70-130	1		30
1,2,4-Trichlorobenzene	101		102		70-130	1		30
1,3,5-Trimethylbenzene	99		96		70-130	3		30
1,2,4-Trimethylbenzene	99		96		70-130	3		30
1,4-Dioxane	86		86		65-136	0		30
1,4-Diethylbenzene	106		101		70-130	5		30
4-Ethyltoluene	102		100		70-130	2		30
1,2,4,5-Tetramethylbenzene	103		100		70-130	3		30
Ethyl ether	91		87		67-130	4		30
trans-1,4-Dichloro-2-butene	87		85		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	127		108		70-130
Toluene-d8	94		89		70-130
4-Bromofluorobenzene	92		86		70-130
Dibromofluoromethane	110		97		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1216169
Report Date: 09/13/12

SAMPLE RESULTS

Lab ID: L1216169-01
Client ID: PRODUCT LINES BOTTOM 1
Sample Location: 348 LANGNER RD
Matrix: Soil
Date Collected: 09/11/12 15:30
Date Received: 09/11/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	09/12/12 01:30	30,2540G	RD

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1216169
Report Date: 09/13/12

SAMPLE RESULTS

Lab ID: L1216169-02
Client ID: PRODUCT LINES BOTTOM 2
Sample Location: 348 LANGNER RD
Matrix: Soil
Date Collected: 09/11/12 15:45
Date Received: 09/11/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85		%	0.10	NA	1	-	09/12/12 01:30	30,2540G	RD

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1216169
Report Date: 09/13/12

SAMPLE RESULTS

Lab ID: L1216169-03
Client ID: PRODUCT LINES BOTTOM 3
Sample Location: 348 LANGNER RD
Matrix: Soil
Date Collected: 09/11/12 16:00
Date Received: 09/11/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80		%	0.10	NA	1	-	09/12/12 01:30	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102

Lab Number: L1216169
Report Date: 09/13/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG560143-1 QC Sample: L1216163-05 Client ID: DUP Sample						
Solids, Total	60.	60	%	0		20

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102

Lab Number: L1216169
Report Date: 09/13/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1216169-01A	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1216169-01X	Plastic 2oz unpreserved for TS s	A	N/A	2.9	Y	Absent	TS(7)
L1216169-02A	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1216169-02X	Plastic 2oz unpreserved for TS s	A	N/A	2.9	Y	Absent	TS(7)
L1216169-03A	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1216169-03X	Plastic 2oz unpreserved for TS s	A	N/A	2.9	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1216169
Project Number:	0123-005-102	**Report Date:**	09/13/12

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1216169
Project Number:	0123-005-102	**Report Date:**	09/13/12

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1216169
Project Number:	0123-005-102	**Report Date:**	09/13/12

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 16, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8082, 8330, 8151A, 8260B, 8270C, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9030B, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7

for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010B, 6010C, 6020, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9030B, 9040B, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082, 8082A, 8081A, 8081B, 8151A, 8330, 8270C-SIM, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 6010C, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050, 9065,1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082, 8082A, 8081A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, 2540G, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012A, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C, 3546, 3580, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7471A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 245.2, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 3501., 350.2, 353.2, 420.1, 6010B, 6010C, 6020, 6020A, 7196A, 7470A, 9010B, 9030B, 9040B, Lachat 10-107-06-2-D, NJ-EPH, 2120B, 2310B, 2320B, 2340B, 2510C, 2540B, 2540C, 3500Cr-D, 436C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330, 8015B,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010B, 6010C, 6020A, 7196A, 7471A, 7471B, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 2..08, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5035, 3540C, 3546, 3550, 3580, 3630C, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9·11·12

ALPHA Job #: L1216169

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Turnkey
Address: 2558 Hamburg Turnpike Buffalo NY 14218
Phone: (716)856-0599
Fax: (716)856-0583
Email:
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 348 Langner Rd Site
Project Location: 348 Langner Rd
Project #: 0123-005-102
Project Manager: Mike Lesakowski
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)
Date Due: 2 Day Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: CAT-B Criteria:

Other Project Specific Requirements/Comments/Detection Limits:

CAT-B

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: TCL VOC + stars	Sample Specific Comments	TOTAL # BOTTLES
16169·1	Product lines Bottom 1	9-11-12	15^30	Soil	PWW	X		
2	" Bottom 2	↓	15^45	↓	↓	X		
3	" Bottom 3	↓	16^00	↓	↓	X		

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Paul W. Werthman	9-11-12 1625	Jane Richer	9-11-12/1625
Jane Richer	9-11-12/1915	Kyle Cunningham	9-11-12/1915
K. Cunningham	9/11/12 2359	[illegible]	9-11-12 2359

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1216007
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	348 LANGNER RD
Project Number:	0123-005-102
Report Date:	09/11/12

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1216007
Report Date: 09/11/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1216007-01	UST AREA 2 BOTTOM 7	0123-005-102	09/07/12 15:15
L1216007-02	UST AREA 2 BOTTOM 8	0123-005-102	09/07/12 15:30
L1216007-03	UST AREA 2 EAST WALL 4	0123-005-102	09/07/12 15:00
L1216007-04	UST AREA 2 WEST WALL 4	0123-005-102	09/07/12 14:30
L1216007-05	UST AREA 2 WEST WALL 5	0123-005-102	09/07/12 14:45
L1216007-06	UST AREA 2 SOUTH WALL 1	0123-005-102	09/07/12 15:45

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1216007
Report Date: 09/11/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	348 LANGNER RD	**Lab Number:**	L1216007
Project Number:	0123-005-102	**Report Date:**	09/11/12

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 09/11/12

ORGANICS

VOLATILES

Project Name: 348 LANGNER RD **Lab Number:** L1216007

Project Number: 0123-005-102 **Report Date:** 09/11/12

SAMPLE RESULTS

Lab ID: L1216007-01
Client ID: UST AREA 2 BOTTOM 7
Sample Location: 0123-005-102
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/10/12 13:56
Analyst: BN
Percent Solids: 88%

Date Collected: 09/07/12 15:15
Date Received: 09/07/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	28	5.7	1
1,1-Dichloroethane	ND		ug/kg	4.3	0.84	1
Chloroform	ND		ug/kg	4.3	0.92	1
Carbon tetrachloride	ND		ug/kg	2.8	0.60	1
1,2-Dichloropropane	ND		ug/kg	9.9	0.72	1
Dibromochloromethane	ND		ug/kg	2.8	0.87	1
1,1,2-Trichloroethane	ND		ug/kg	4.3	1.1	1
Tetrachloroethene	ND		ug/kg	2.8	0.87	1
Chlorobenzene	ND		ug/kg	2.8	0.53	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	ND		ug/kg	2.8	0.65	1
1,1,1-Trichloroethane	ND		ug/kg	2.8	0.77	1
Bromodichloromethane	ND		ug/kg	2.8	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.8	0.85	1
cis-1,3-Dichloropropene	ND		ug/kg	2.8	0.76	1
1,1-Dichloropropene	ND		ug/kg	14	1.3	1
Bromoform	ND		ug/kg	11	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.8	0.68	1
Benzene	ND		ug/kg	2.8	0.84	1
Toluene	ND		ug/kg	4.3	0.69	1
Ethylbenzene	0.75	J	ug/kg	2.8	0.63	1
Chloromethane	ND		ug/kg	14	2.2	1
Bromomethane	ND		ug/kg	5.7	1.8	1
Vinyl chloride	ND		ug/kg	5.7	2.1	1
Chloroethane	ND		ug/kg	5.7	1.2	1
1,1-Dichloroethene	ND		ug/kg	2.8	0.74	1
trans-1,2-Dichloroethene	ND		ug/kg	4.3	1.1	1
Trichloroethene	ND		ug/kg	2.8	0.64	1
1,2-Dichlorobenzene	ND		ug/kg	14	1.0	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.1	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.2	1

Project Name: 348 LANGNER RD **Lab Number:** L1216007

Project Number: 0123-005-102 **Report Date:** 09/11/12

SAMPLE RESULTS

Lab ID: L1216007-01 Date Collected: 09/07/12 15:15

Client ID: UST AREA 2 BOTTOM 7 Date Received: 09/07/12

Sample Location: 0123-005-102 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.7	1.4	1
p/m-Xylene	3.5	J	ug/kg	5.7	1.2	1
o-Xylene	1.2	J	ug/kg	5.7	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.8	0.86	1
Dibromomethane	ND		ug/kg	28	1.2	1
Styrene	ND		ug/kg	5.7	2.1	1
Dichlorodifluoromethane	ND		ug/kg	28	1.1	1
Acetone	ND		ug/kg	28	9.2	1
Carbon disulfide	ND		ug/kg	28	1.1	1
2-Butanone	ND		ug/kg	28	11.	1
Vinyl acetate	ND		ug/kg	28	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	28	2.3	1
1,2,3-Trichloropropane	ND		ug/kg	28	1.1	1
2-Hexanone	ND		ug/kg	28	1.1	1
Bromochloromethane	ND		ug/kg	14	0.86	1
2,2-Dichloropropane	ND		ug/kg	14	2.2	1
1,2-Dibromoethane	ND		ug/kg	11	1.2	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.8	0.93	1
Bromobenzene	ND		ug/kg	14	0.62	1
n-Butylbenzene	ND		ug/kg	2.8	0.89	1
sec-Butylbenzene	ND		ug/kg	2.8	0.78	1
tert-Butylbenzene	ND		ug/kg	14	1.7	1
o-Chlorotoluene	ND		ug/kg	14	0.89	1
p-Chlorotoluene	ND		ug/kg	14	1.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.4	1
Hexachlorobutadiene	ND		ug/kg	14	1.3	1
Isopropylbenzene	ND		ug/kg	2.8	0.50	1
p-Isopropyltoluene	ND		ug/kg	2.8	0.78	1
Naphthalene	ND		ug/kg	14	2.2	1
Acrylonitrile	ND		ug/kg	28	1.1	1
n-Propylbenzene	ND		ug/kg	2.8	0.81	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.1	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	5.3	J	ug/kg	14	1.6	1
1,4-Dioxane	ND		ug/kg	280	49.	1
1,4-Diethylbenzene	1.1	J	ug/kg	11	0.57	1
4-Ethyltoluene	2.8	J	ug/kg	11	0.28	1

Project Name: 348 LANGNER RD **Lab Number:** L1216007

Project Number: 0123-005-102 **Report Date:** 09/11/12

SAMPLE RESULTS

Lab ID: L1216007-01 Date Collected: 09/07/12 15:15

Client ID: UST AREA 2 BOTTOM 7 Date Received: 09/07/12

Sample Location: 0123-005-102 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	0.63	J	ug/kg	11	0.51	1
Ethyl ether	ND		ug/kg	14	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	88		70-130

Project Name: 348 LANGNER RD **Lab Number:** L1216007

Project Number: 0123-005-102 **Report Date:** 09/11/12

SAMPLE RESULTS

Lab ID: L1216007-02
Client ID: UST AREA 2 BOTTOM 8
Sample Location: 0123-005-102
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/10/12 14:31
Analyst: BN
Percent Solids: 57%

Date Collected: 09/07/12 15:30
Date Received: 09/07/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	44	8.8	1
1,1-Dichloroethane	ND		ug/kg	6.6	1.3	1
Chloroform	ND		ug/kg	6.6	1.4	1
Carbon tetrachloride	ND		ug/kg	4.4	0.93	1
1,2-Dichloropropane	ND		ug/kg	15	1.1	1
Dibromochloromethane	ND		ug/kg	4.4	1.4	1
1,1,2-Trichloroethane	ND		ug/kg	6.6	1.7	1
Tetrachloroethene	ND		ug/kg	4.4	1.3	1
Chlorobenzene	ND		ug/kg	4.4	0.82	1
Trichlorofluoromethane	ND		ug/kg	22	1.7	1
1,2-Dichloroethane	ND		ug/kg	4.4	1.0	1
1,1,1-Trichloroethane	ND		ug/kg	4.4	1.2	1
Bromodichloromethane	ND		ug/kg	4.4	1.7	1
trans-1,3-Dichloropropene	ND		ug/kg	4.4	1.3	1
cis-1,3-Dichloropropene	ND		ug/kg	4.4	1.2	1
1,1-Dichloropropene	ND		ug/kg	22	2.0	1
Bromoform	ND		ug/kg	18	2.2	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	4.4	1.0	1
Benzene	ND		ug/kg	4.4	1.3	1
Toluene	ND		ug/kg	6.6	1.0	1
Ethylbenzene	ND		ug/kg	4.4	0.97	1
Chloromethane	ND		ug/kg	22	3.4	1
Bromomethane	ND		ug/kg	8.8	2.8	1
Vinyl chloride	ND		ug/kg	8.8	3.3	1
Chloroethane	ND		ug/kg	8.8	1.9	1
1,1-Dichloroethene	ND		ug/kg	4.4	1.1	1
trans-1,2-Dichloroethene	ND		ug/kg	6.6	1.7	1
Trichloroethene	ND		ug/kg	4.4	0.98	1
1,2-Dichlorobenzene	ND		ug/kg	22	1.6	1
1,3-Dichlorobenzene	ND		ug/kg	22	1.8	1
1,4-Dichlorobenzene	ND		ug/kg	22	1.8	1

Project Name: 348 LANGNER RD **Lab Number:** L1216007

Project Number: 0123-005-102 **Report Date:** 09/11/12

SAMPLE RESULTS

Lab ID: L1216007-02 Date Collected: 09/07/12 15:30

Client ID: UST AREA 2 BOTTOM 8 Date Received: 09/07/12

Sample Location: 0123-005-102 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	8.8	2.1	1
p/m-Xylene	ND		ug/kg	8.8	1.9	1
o-Xylene	ND		ug/kg	8.8	1.8	1
cis-1,2-Dichloroethene	ND		ug/kg	4.4	1.3	1
Dibromomethane	ND		ug/kg	44	1.9	1
Styrene	ND		ug/kg	8.8	3.2	1
Dichlorodifluoromethane	ND		ug/kg	44	1.7	1
Acetone	300		ug/kg	44	14.	1
Carbon disulfide	ND		ug/kg	44	1.6	1
2-Butanone	ND		ug/kg	44	17.	1
Vinyl acetate	ND		ug/kg	44	3.3	1
4-Methyl-2-pentanone	ND		ug/kg	44	3.6	1
1,2,3-Trichloropropane	ND		ug/kg	44	1.7	1
2-Hexanone	ND		ug/kg	44	1.7	1
Bromochloromethane	ND		ug/kg	22	1.3	1
2,2-Dichloropropane	ND		ug/kg	22	3.5	1
1,2-Dibromoethane	ND		ug/kg	18	1.8	1
1,3-Dichloropropane	ND		ug/kg	22	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	4.4	1.4	1
Bromobenzene	ND		ug/kg	22	0.96	1
n-Butylbenzene	ND		ug/kg	4.4	1.4	1
sec-Butylbenzene	ND		ug/kg	4.4	1.2	1
tert-Butylbenzene	ND		ug/kg	22	2.6	1
o-Chlorotoluene	ND		ug/kg	22	1.4	1
p-Chlorotoluene	ND		ug/kg	22	1.6	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	22	3.7	1
Hexachlorobutadiene	ND		ug/kg	22	2.0	1
Isopropylbenzene	ND		ug/kg	4.4	0.78	1
p-Isopropyltoluene	ND		ug/kg	4.4	1.2	1
Naphthalene	ND		ug/kg	22	3.4	1
Acrylonitrile	ND		ug/kg	44	1.6	1
n-Propylbenzene	ND		ug/kg	4.4	1.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	22	1.8	1
1,2,4-Trichlorobenzene	ND		ug/kg	22	3.5	1
1,3,5-Trimethylbenzene	ND		ug/kg	22	2.6	1
1,2,4-Trimethylbenzene	ND		ug/kg	22	2.5	1
1,4-Dioxane	ND		ug/kg	440	76.	1
1,4-Diethylbenzene	ND		ug/kg	18	0.88	1
4-Ethyltoluene	ND		ug/kg	18	0.42	1

Project Name: 348 LANGNER RD **Lab Number:** L1216007

Project Number: 0123-005-102 **Report Date:** 09/11/12

SAMPLE RESULTS

Lab ID: L1216007-02 Date Collected: 09/07/12 15:30

Client ID: UST AREA 2 BOTTOM 8 Date Received: 09/07/12

Sample Location: 0123-005-102 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	18	0.79	1
Ethyl ether	ND		ug/kg	22	1.7	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	22	6.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	90		70-130

Project Name: 348 LANGNER RD **Lab Number:** L1216007

Project Number: 0123-005-102 **Report Date:** 09/11/12

SAMPLE RESULTS

Lab ID: L1216007-03
Client ID: UST AREA 2 EAST WALL 4
Sample Location: 0123-005-102
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/10/12 15:05
Analyst: BN
Percent Solids: 86%

Date Collected: 09/07/12 15:00
Date Received: 09/07/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	29	5.8	1
1,1-Dichloroethane	ND		ug/kg	4.4	0.86	1
Chloroform	ND		ug/kg	4.4	0.94	1
Carbon tetrachloride	ND		ug/kg	2.9	0.61	1
1,2-Dichloropropane	ND		ug/kg	10	0.74	1
Dibromochloromethane	ND		ug/kg	2.9	0.89	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	1.1	1
Tetrachloroethene	ND		ug/kg	2.9	0.89	1
Chlorobenzene	ND		ug/kg	2.9	0.54	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	ND		ug/kg	2.9	0.66	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	0.78	1
Bromodichloromethane	ND		ug/kg	2.9	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	0.87	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	0.78	1
1,1-Dichloropropene	ND		ug/kg	14	1.3	1
Bromoform	ND		ug/kg	12	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	0.70	1
Benzene	ND		ug/kg	2.9	0.86	1
Toluene	ND		ug/kg	4.4	0.70	1
Ethylbenzene	ND		ug/kg	2.9	0.64	1
Chloromethane	ND		ug/kg	14	2.3	1
Bromomethane	ND		ug/kg	5.8	1.9	1
Vinyl chloride	ND		ug/kg	5.8	2.2	1
Chloroethane	ND		ug/kg	5.8	1.3	1
1,1-Dichloroethene	ND		ug/kg	2.9	0.76	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	1.1	1
Trichloroethene	ND		ug/kg	2.9	0.65	1
1,2-Dichlorobenzene	ND		ug/kg	14	1.0	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.2	1

Project Name: 348 LANGNER RD **Lab Number:** L1216007

Project Number: 0123-005-102 **Report Date:** 09/11/12

SAMPLE RESULTS

Lab ID: L1216007-03 Date Collected: 09/07/12 15:00

Client ID: UST AREA 2 EAST WALL 4 Date Received: 09/07/12

Sample Location: 0123-005-102 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.8	1.4	1
p/m-Xylene	2.9	J	ug/kg	5.8	1.2	1
o-Xylene	ND		ug/kg	5.8	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	0.88	1
Dibromomethane	ND		ug/kg	29	1.3	1
Styrene	ND		ug/kg	5.8	2.1	1
Dichlorodifluoromethane	ND		ug/kg	29	1.1	1
Acetone	ND		ug/kg	29	9.4	1
Carbon disulfide	ND		ug/kg	29	1.1	1
2-Butanone	ND		ug/kg	29	11.	1
Vinyl acetate	ND		ug/kg	29	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	29	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	29	1.1	1
2-Hexanone	ND		ug/kg	29	1.2	1
Bromochloromethane	ND		ug/kg	14	0.88	1
2,2-Dichloropropane	ND		ug/kg	14	2.3	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.95	1
Bromobenzene	ND		ug/kg	14	0.64	1
n-Butylbenzene	ND		ug/kg	2.9	0.91	1
sec-Butylbenzene	ND		ug/kg	2.9	0.80	1
tert-Butylbenzene	ND		ug/kg	14	1.8	1
o-Chlorotoluene	ND		ug/kg	14	0.91	1
p-Chlorotoluene	ND		ug/kg	14	1.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.4	1
Hexachlorobutadiene	ND		ug/kg	14	1.3	1
Isopropylbenzene	ND		ug/kg	2.9	0.51	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.79	1
Naphthalene	ND		ug/kg	14	2.2	1
Acrylonitrile	ND		ug/kg	29	1.1	1
n-Propylbenzene	ND		ug/kg	2.9	0.82	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,4-Dioxane	ND		ug/kg	290	50.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.58	1
4-Ethyltoluene	0.58	J	ug/kg	12	0.28	1

Project Name: 348 LANGNER RD **Lab Number:** L1216007

Project Number: 0123-005-102 **Report Date:** 09/11/12

SAMPLE RESULTS

Lab ID: L1216007-03 Date Collected: 09/07/12 15:00

Client ID: UST AREA 2 EAST WALL 4 Date Received: 09/07/12

Sample Location: 0123-005-102 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.53	1
Ethyl ether	ND		ug/kg	14	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	93		70-130

Project Name: 348 LANGNER RD **Lab Number:** L1216007

Project Number: 0123-005-102 **Report Date:** 09/11/12

SAMPLE RESULTS

Lab ID: L1216007-04
Client ID: UST AREA 2 WEST WALL 4
Sample Location: 0123-005-102
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/10/12 15:40
Analyst: BN
Percent Solids: 84%

Date Collected: 09/07/12 14:30
Date Received: 09/07/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	30	6.0	1
1,1-Dichloroethane	ND		ug/kg	4.5	0.88	1
Chloroform	ND		ug/kg	4.5	0.97	1
Carbon tetrachloride	ND		ug/kg	3.0	0.63	1
1,2-Dichloropropane	ND		ug/kg	10	0.76	1
Dibromochloromethane	ND		ug/kg	3.0	0.92	1
1,1,2-Trichloroethane	ND		ug/kg	4.5	1.2	1
Tetrachloroethene	ND		ug/kg	3.0	0.91	1
Chlorobenzene	ND		ug/kg	3.0	0.55	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.0	0.68	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.80	1
Bromodichloromethane	ND		ug/kg	3.0	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.89	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.80	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.71	1
Benzene	ND		ug/kg	3.0	0.88	1
Toluene	ND		ug/kg	4.5	0.72	1
Ethylbenzene	2.1	J	ug/kg	3.0	0.66	1
Chloromethane	ND		ug/kg	15	2.3	1
Bromomethane	ND		ug/kg	6.0	1.9	1
Vinyl chloride	ND		ug/kg	6.0	2.2	1
Chloroethane	ND		ug/kg	6.0	1.3	1
1,1-Dichloroethene	ND		ug/kg	3.0	0.77	1
trans-1,2-Dichloroethene	ND		ug/kg	4.5	1.2	1
Trichloroethene	ND		ug/kg	3.0	0.67	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.2	1

Project Name: 348 LANGNER RD **Lab Number:** L1216007

Project Number: 0123-005-102 **Report Date:** 09/11/12

SAMPLE RESULTS

Lab ID: L1216007-04 Date Collected: 09/07/12 14:30

Client ID: UST AREA 2 WEST WALL 4 Date Received: 09/07/12

Sample Location: 0123-005-102 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.0	1.4	1
p/m-Xylene	7.3		ug/kg	6.0	1.3	1
o-Xylene	2.6	J	ug/kg	6.0	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.90	1
Dibromomethane	ND		ug/kg	30	1.3	1
Styrene	ND		ug/kg	6.0	2.2	1
Dichlorodifluoromethane	ND		ug/kg	30	1.2	1
Acetone	190		ug/kg	30	9.6	1
Carbon disulfide	ND		ug/kg	30	1.1	1
2-Butanone	ND		ug/kg	30	12.	1
Vinyl acetate	ND		ug/kg	30	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	30	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	30	1.2	1
2-Hexanone	ND		ug/kg	30	1.2	1
Bromochloromethane	ND		ug/kg	15	0.90	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	0.98	1
Bromobenzene	ND		ug/kg	15	0.66	1
n-Butylbenzene	ND		ug/kg	3.0	0.94	1
sec-Butylbenzene	ND		ug/kg	3.0	0.82	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.93	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	ND		ug/kg	3.0	0.53	1
p-Isopropyltoluene	ND		ug/kg	3.0	0.81	1
Naphthalene	ND		ug/kg	15	2.3	1
Acrylonitrile	ND		ug/kg	30	1.1	1
n-Propylbenzene	2.1	J	ug/kg	3.0	0.84	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	2.4	J	ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	8.8	J	ug/kg	15	1.7	1
1,4-Dioxane	ND		ug/kg	300	52.	1
1,4-Diethylbenzene	1.2	J	ug/kg	12	0.60	1
4-Ethyltoluene	2.3	J	ug/kg	12	0.29	1

Project Name: 348 LANGNER RD **Lab Number:** L1216007

Project Number: 0123-005-102 **Report Date:** 09/11/12

SAMPLE RESULTS

Lab ID: L1216007-04 Date Collected: 09/07/12 14:30

Client ID: UST AREA 2 WEST WALL 4 Date Received: 09/07/12

Sample Location: 0123-005-102 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	1.0	J	ug/kg	12	0.54	1
Ethyl ether	ND		ug/kg	15	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	96		70-130

Project Name: 348 LANGNER RD **Lab Number:** L1216007

Project Number: 0123-005-102 **Report Date:** 09/11/12

SAMPLE RESULTS

Lab ID: L1216007-05
Client ID: UST AREA 2 WEST WALL 5
Sample Location: 0123-005-102
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/10/12 16:14
Analyst: BN
Percent Solids: 76%

Date Collected: 09/07/12 14:45
Date Received: 09/07/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	33	6.6	1
1,1-Dichloroethane	ND		ug/kg	4.9	0.97	1
Chloroform	ND		ug/kg	4.9	1.1	1
Carbon tetrachloride	ND		ug/kg	3.3	0.69	1
1,2-Dichloropropane	ND		ug/kg	12	0.84	1
Dibromochloromethane	ND		ug/kg	3.3	1.0	1
1,1,2-Trichloroethane	ND		ug/kg	4.9	1.3	1
Tetrachloroethene	ND		ug/kg	3.3	1.0	1
Chlorobenzene	ND		ug/kg	3.3	0.61	1
Trichlorofluoromethane	ND		ug/kg	16	1.3	1
1,2-Dichloroethane	ND		ug/kg	3.3	0.75	1
1,1,1-Trichloroethane	ND		ug/kg	3.3	0.89	1
Bromodichloromethane	ND		ug/kg	3.3	1.3	1
trans-1,3-Dichloropropene	ND		ug/kg	3.3	0.99	1
cis-1,3-Dichloropropene	ND		ug/kg	3.3	0.88	1
1,1-Dichloropropene	ND		ug/kg	16	1.5	1
Bromoform	ND		ug/kg	13	1.6	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.3	0.79	1
Benzene	ND		ug/kg	3.3	0.98	1
Toluene	ND		ug/kg	4.9	0.79	1
Ethylbenzene	ND		ug/kg	3.3	0.73	1
Chloromethane	ND		ug/kg	16	2.6	1
Bromomethane	ND		ug/kg	6.6	2.1	1
Vinyl chloride	ND		ug/kg	6.6	2.5	1
Chloroethane	ND		ug/kg	6.6	1.4	1
1,1-Dichloroethene	ND		ug/kg	3.3	0.85	1
trans-1,2-Dichloroethene	ND		ug/kg	4.9	1.3	1
Trichloroethene	ND		ug/kg	3.3	0.74	1
1,2-Dichlorobenzene	ND		ug/kg	16	1.2	1
1,3-Dichlorobenzene	ND		ug/kg	16	1.3	1
1,4-Dichlorobenzene	ND		ug/kg	16	1.4	1

Project Name: 348 LANGNER RD **Lab Number:** L1216007

Project Number: 0123-005-102 **Report Date:** 09/11/12

SAMPLE RESULTS

Lab ID: L1216007-05 Date Collected: 09/07/12 14:45

Client ID: UST AREA 2 WEST WALL 5 Date Received: 09/07/12

Sample Location: 0123-005-102 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.6	1.6	1
p/m-Xylene	ND		ug/kg	6.6	1.4	1
o-Xylene	ND		ug/kg	6.6	1.4	1
cis-1,2-Dichloroethene	ND		ug/kg	3.3	0.99	1
Dibromomethane	ND		ug/kg	33	1.4	1
Styrene	ND		ug/kg	6.6	2.4	1
Dichlorodifluoromethane	ND		ug/kg	33	1.3	1
Acetone	310		ug/kg	33	11.	1
Carbon disulfide	ND		ug/kg	33	1.2	1
2-Butanone	ND		ug/kg	33	13.	1
Vinyl acetate	ND		ug/kg	33	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	33	2.7	1
1,2,3-Trichloropropane	ND		ug/kg	33	1.3	1
2-Hexanone	ND		ug/kg	33	1.3	1
Bromochloromethane	ND		ug/kg	16	0.99	1
2,2-Dichloropropane	ND		ug/kg	16	2.6	1
1,2-Dibromoethane	ND		ug/kg	13	1.3	1
1,3-Dichloropropane	ND		ug/kg	16	1.9	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.3	1.1	1
Bromobenzene	ND		ug/kg	16	0.72	1
n-Butylbenzene	ND		ug/kg	3.3	1.0	1
sec-Butylbenzene	ND		ug/kg	3.3	0.91	1
tert-Butylbenzene	ND		ug/kg	16	2.0	1
o-Chlorotoluene	ND		ug/kg	16	1.0	1
p-Chlorotoluene	ND		ug/kg	16	1.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	16	2.8	1
Hexachlorobutadiene	ND		ug/kg	16	1.5	1
Isopropylbenzene	ND		ug/kg	3.3	0.58	1
p-Isopropyltoluene	ND		ug/kg	3.3	0.90	1
Naphthalene	ND		ug/kg	16	2.5	1
Acrylonitrile	ND		ug/kg	33	1.2	1
n-Propylbenzene	ND		ug/kg	3.3	0.93	1
1,2,3-Trichlorobenzene	ND		ug/kg	16	1.3	1
1,2,4-Trichlorobenzene	ND		ug/kg	16	2.6	1
1,3,5-Trimethylbenzene	ND		ug/kg	16	2.0	1
1,2,4-Trimethylbenzene	ND		ug/kg	16	1.9	1
1,4-Dioxane	ND		ug/kg	330	57.	1
1,4-Diethylbenzene	ND		ug/kg	13	0.66	1
4-Ethyltoluene	ND		ug/kg	13	0.32	1

Project Name: 348 LANGNER RD **Lab Number:** L1216007

Project Number: 0123-005-102 **Report Date:** 09/11/12

SAMPLE RESULTS

Lab ID: L1216007-05 Date Collected: 09/07/12 14:45

Client ID: UST AREA 2 WEST WALL 5 Date Received: 09/07/12

Sample Location: 0123-005-102 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	13	0.60	1
Ethyl ether	ND		ug/kg	16	1.2	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	16	4.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	96		70-130

Project Name: 348 LANGNER RD **Lab Number:** L1216007

Project Number: 0123-005-102 **Report Date:** 09/11/12

SAMPLE RESULTS

Lab ID:	L1216007-06	Date Collected:	09/07/12 15:45
Client ID:	UST AREA 2 SOUTH WALL 1	Date Received:	09/07/12
Sample Location:	0123-005-102	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/11/12 09:25		
Analyst:	BN		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	30	6.0	1
1,1-Dichloroethane	ND		ug/kg	4.5	0.89	1
Chloroform	ND		ug/kg	4.5	0.98	1
Carbon tetrachloride	ND		ug/kg	3.0	0.64	1
1,2-Dichloropropane	ND		ug/kg	10	0.77	1
Dibromochloromethane	ND		ug/kg	3.0	0.93	1
1,1,2-Trichloroethane	ND		ug/kg	4.5	1.2	1
Tetrachloroethene	ND		ug/kg	3.0	0.92	1
Chlorobenzene	ND		ug/kg	3.0	0.56	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.0	0.68	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.81	1
Bromodichloromethane	ND		ug/kg	3.0	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.90	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.80	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.72	1
Benzene	ND		ug/kg	3.0	0.90	1
Toluene	ND		ug/kg	4.5	0.73	1
Ethylbenzene	ND		ug/kg	3.0	0.67	1
Chloromethane	ND		ug/kg	15	2.4	1
Bromomethane	ND		ug/kg	6.0	2.0	1
Vinyl chloride	ND		ug/kg	6.0	2.3	1
Chloroethane	ND		ug/kg	6.0	1.3	1
1,1-Dichloroethene	ND		ug/kg	3.0	0.78	1
trans-1,2-Dichloroethene	ND		ug/kg	4.5	1.2	1
Trichloroethene	ND		ug/kg	3.0	0.67	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.3	1

Project Name: 348 LANGNER RD **Lab Number:** L1216007

Project Number: 0123-005-102 **Report Date:** 09/11/12

SAMPLE RESULTS

Lab ID: L1216007-06 Date Collected: 09/07/12 15:45

Client ID: UST AREA 2 SOUTH WALL 1 Date Received: 09/07/12

Sample Location: 0123-005-102 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.0	1.5	1
p/m-Xylene	ND		ug/kg	6.0	1.3	1
o-Xylene	ND		ug/kg	6.0	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.91	1
Dibromomethane	ND		ug/kg	30	1.3	1
Styrene	ND		ug/kg	6.0	2.2	1
Dichlorodifluoromethane	ND		ug/kg	30	1.2	1
Acetone	ND		ug/kg	30	9.7	1
Carbon disulfide	ND		ug/kg	30	1.1	1
2-Butanone	ND		ug/kg	30	12.	1
Vinyl acetate	ND		ug/kg	30	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	30	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	30	1.2	1
2-Hexanone	ND		ug/kg	30	1.2	1
Bromochloromethane	ND		ug/kg	15	0.91	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	0.99	1
Bromobenzene	ND		ug/kg	15	0.66	1
n-Butylbenzene	ND		ug/kg	3.0	0.95	1
sec-Butylbenzene	ND		ug/kg	3.0	0.83	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.94	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	ND		ug/kg	3.0	0.53	1
p-Isopropyltoluene	ND		ug/kg	3.0	0.82	1
Naphthalene	ND		ug/kg	15	2.3	1
Acrylonitrile	ND		ug/kg	30	1.1	1
n-Propylbenzene	ND		ug/kg	3.0	0.86	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.7	1
1,4-Dioxane	ND		ug/kg	300	52.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.60	1
4-Ethyltoluene	ND		ug/kg	12	0.29	1

Project Name: 348 LANGNER RD **Lab Number:** L1216007

Project Number: 0123-005-102 **Report Date:** 09/11/12

SAMPLE RESULTS

Lab ID: L1216007-06 Date Collected: 09/07/12 15:45

Client ID: UST AREA 2 SOUTH WALL 1 Date Received: 09/07/12

Sample Location: 0123-005-102 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.54	1
Ethyl ether	ND		ug/kg	15	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: 348 LANGNER RD
Project Number: 0123-005-102
Lab Number: L1216007
Report Date: 09/11/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/11/12 08:58
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG559939-3					
Methylene chloride	ND		ug/kg	25	5.0
1,1-Dichloroethane	ND		ug/kg	3.8	0.74
Chloroform	ND		ug/kg	3.8	0.81
Carbon tetrachloride	ND		ug/kg	2.5	0.53
1,2-Dichloropropane	ND		ug/kg	8.8	0.64
Dibromochloromethane	ND		ug/kg	2.5	0.77
1,1,2-Trichloroethane	ND		ug/kg	3.8	0.98
Tetrachloroethene	ND		ug/kg	2.5	0.76
Chlorobenzene	ND		ug/kg	2.5	0.46
Trichlorofluoromethane	ND		ug/kg	12	0.98
1,2-Dichloroethane	ND		ug/kg	2.5	0.57
1,1,1-Trichloroethane	ND		ug/kg	2.5	0.67
Bromodichloromethane	ND		ug/kg	2.5	0.96
trans-1,3-Dichloropropene	ND		ug/kg	2.5	0.75
cis-1,3-Dichloropropene	ND		ug/kg	2.5	0.67
1,1-Dichloropropene	ND		ug/kg	12	1.1
Bromoform	ND		ug/kg	10	1.2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	0.60
Benzene	ND		ug/kg	2.5	0.74
Toluene	0.91	J	ug/kg	3.8	0.60
Ethylbenzene	ND		ug/kg	2.5	0.55
Chloromethane	ND		ug/kg	12	2.0
Bromomethane	ND		ug/kg	5.0	1.6
Vinyl chloride	ND		ug/kg	5.0	1.9
Chloroethane	ND		ug/kg	5.0	1.1
1,1-Dichloroethene	ND		ug/kg	2.5	0.65
trans-1,2-Dichloroethene	ND		ug/kg	3.8	0.98
Trichloroethene	ND		ug/kg	2.5	0.56
1,2-Dichlorobenzene	ND		ug/kg	12	0.91
1,3-Dichlorobenzene	ND		ug/kg	12	1.0
1,4-Dichlorobenzene	ND		ug/kg	12	1.0

Project Name: 348 LANGNER RD
Project Number: 0123-005-102
Lab Number: L1216007
Report Date: 09/11/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/11/12 08:58
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG559939-3					
Methyl tert butyl ether	ND		ug/kg	5.0	1.2
p/m-Xylene	ND		ug/kg	5.0	1.1
o-Xylene	ND		ug/kg	5.0	1.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5	0.75
Dibromomethane	ND		ug/kg	25	1.1
Styrene	ND		ug/kg	5.0	1.8
Dichlorodifluoromethane	ND		ug/kg	25	0.97
Acetone	ND		ug/kg	25	8.1
Carbon disulfide	0.96	J	ug/kg	25	0.94
2-Butanone	ND		ug/kg	25	9.7
Vinyl acetate	ND		ug/kg	25	1.9
4-Methyl-2-pentanone	ND		ug/kg	25	2.0
1,2,3-Trichloropropane	ND		ug/kg	25	0.97
2-Hexanone	ND		ug/kg	25	0.99
Bromochloromethane	ND		ug/kg	12	0.76
2,2-Dichloropropane	ND		ug/kg	12	2.0
1,2-Dibromoethane	ND		ug/kg	10	1.0
1,3-Dichloropropane	ND		ug/kg	12	1.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	0.82
Bromobenzene	ND		ug/kg	12	0.55
n-Butylbenzene	ND		ug/kg	2.5	0.79
sec-Butylbenzene	ND		ug/kg	2.5	0.69
tert-Butylbenzene	ND		ug/kg	12	1.5
o-Chlorotoluene	ND		ug/kg	12	0.78
p-Chlorotoluene	ND		ug/kg	12	0.90
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	2.1
Hexachlorobutadiene	ND		ug/kg	12	1.1
Isopropylbenzene	ND		ug/kg	2.5	0.44
p-Isopropyltoluene	ND		ug/kg	2.5	0.68
Naphthalene	ND		ug/kg	12	1.9
Acrylonitrile	ND		ug/kg	25	0.94

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1216007
Report Date: 09/11/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/11/12 08:58
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG559939-3					
Isopropyl Ether	ND		ug/kg	10	1.0
tert-Butyl Alcohol	ND		ug/kg	150	3.1
n-Propylbenzene	ND		ug/kg	2.5	0.71
1,2,3-Trichlorobenzene	ND		ug/kg	12	1.0
1,2,4-Trichlorobenzene	ND		ug/kg	12	2.0
1,3,5-Trimethylbenzene	ND		ug/kg	12	1.5
1,2,4-Trimethylbenzene	ND		ug/kg	12	1.4
Methyl Acetate	ND		ug/kg	50	1.2
Ethyl Acetate	ND		ug/kg	50	50.
Acrolein	ND		ug/kg	62	7.5
Cyclohexane	ND		ug/kg	50	0.31
1,4-Dioxane	ND		ug/kg	250	44.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	50	0.99
1,4-Diethylbenzene	ND		ug/kg	10	0.50
4-Ethyltoluene	ND		ug/kg	10	0.24
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	0.45
Tetrahydrofuran	ND		ug/kg	50	2.8
Ethyl ether	ND		ug/kg	12	0.95
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.7
Methyl cyclohexane	ND		ug/kg	10	1.7
Ethyl-Tert-Butyl-Ether	ND		ug/kg	10	2.2
Tertiary-Amyl Methyl Ether	ND		ug/kg	10	2.5
Ethyl Alcohol	ND		ug/kg	2500	520

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1216007
Report Date: 09/11/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/11/12 08:58
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG559939-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1216007
Report Date: 09/11/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/10/12 08:48
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG559940-3					
Methylene chloride	ND		ug/kg	25	5.0
1,1-Dichloroethane	ND		ug/kg	3.8	0.74
Chloroform	ND		ug/kg	3.8	0.81
Carbon tetrachloride	ND		ug/kg	2.5	0.53
1,2-Dichloropropane	ND		ug/kg	8.8	0.64
Dibromochloromethane	ND		ug/kg	2.5	0.77
1,1,2-Trichloroethane	ND		ug/kg	3.8	0.98
Tetrachloroethene	ND		ug/kg	2.5	0.76
Chlorobenzene	ND		ug/kg	2.5	0.46
Trichlorofluoromethane	ND		ug/kg	12	0.98
1,2-Dichloroethane	ND		ug/kg	2.5	0.57
1,1,1-Trichloroethane	ND		ug/kg	2.5	0.67
Bromodichloromethane	ND		ug/kg	2.5	0.96
trans-1,3-Dichloropropene	ND		ug/kg	2.5	0.75
cis-1,3-Dichloropropene	ND		ug/kg	2.5	0.67
1,1-Dichloropropene	ND		ug/kg	12	1.1
Bromoform	ND		ug/kg	10	1.2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	0.60
Benzene	ND		ug/kg	2.5	0.74
Toluene	ND		ug/kg	3.8	0.60
Ethylbenzene	ND		ug/kg	2.5	0.55
Chloromethane	ND		ug/kg	12	2.0
Bromomethane	ND		ug/kg	5.0	1.6
Vinyl chloride	ND		ug/kg	5.0	1.9
Chloroethane	ND		ug/kg	5.0	1.1
1,1-Dichloroethene	ND		ug/kg	2.5	0.65
trans-1,2-Dichloroethene	ND		ug/kg	3.8	0.98
Trichloroethene	ND		ug/kg	2.5	0.56
1,2-Dichlorobenzene	ND		ug/kg	12	0.91
1,3-Dichlorobenzene	ND		ug/kg	12	1.0
1,4-Dichlorobenzene	ND		ug/kg	12	1.0

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1216007
Report Date: 09/11/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/10/12 08:48
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG559940-3					
Methyl tert butyl ether	ND		ug/kg	5.0	1.2
p/m-Xylene	ND		ug/kg	5.0	1.1
o-Xylene	ND		ug/kg	5.0	1.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5	0.75
Dibromomethane	ND		ug/kg	25	1.1
Styrene	ND		ug/kg	5.0	1.8
Dichlorodifluoromethane	ND		ug/kg	25	0.97
Acetone	ND		ug/kg	25	8.1
Carbon disulfide	ND		ug/kg	25	0.94
2-Butanone	ND		ug/kg	25	9.7
Vinyl acetate	ND		ug/kg	25	1.9
4-Methyl-2-pentanone	ND		ug/kg	25	2.0
1,2,3-Trichloropropane	ND		ug/kg	25	0.97
2-Hexanone	ND		ug/kg	25	0.99
Bromochloromethane	ND		ug/kg	12	0.76
2,2-Dichloropropane	ND		ug/kg	12	2.0
1,2-Dibromoethane	ND		ug/kg	10	1.0
1,3-Dichloropropane	ND		ug/kg	12	1.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	0.82
Bromobenzene	ND		ug/kg	12	0.55
n-Butylbenzene	ND		ug/kg	2.5	0.79
sec-Butylbenzene	ND		ug/kg	2.5	0.69
tert-Butylbenzene	ND		ug/kg	12	1.5
o-Chlorotoluene	ND		ug/kg	12	0.78
p-Chlorotoluene	ND		ug/kg	12	0.90
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	2.1
Hexachlorobutadiene	ND		ug/kg	12	1.1
Isopropylbenzene	ND		ug/kg	2.5	0.44
p-Isopropyltoluene	ND		ug/kg	2.5	0.68
Naphthalene	ND		ug/kg	12	1.9
Acrylonitrile	ND		ug/kg	25	0.94

Project Name: 348 LANGNER RD
Project Number: 0123-005-102
Lab Number: L1216007
Report Date: 09/11/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/10/12 08:48
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG559940-3					
Isopropyl Ether	ND		ug/kg	10	1.0
tert-Butyl Alcohol	ND		ug/kg	150	3.1
n-Propylbenzene	ND		ug/kg	2.5	0.71
1,2,3-Trichlorobenzene	ND		ug/kg	12	1.0
1,2,4-Trichlorobenzene	ND		ug/kg	12	2.0
1,3,5-Trimethylbenzene	ND		ug/kg	12	1.5
1,2,4-Trimethylbenzene	ND		ug/kg	12	1.4
Methyl Acetate	ND		ug/kg	50	1.2
Ethyl Acetate	ND		ug/kg	50	50.
Acrolein	ND		ug/kg	62	7.5
Cyclohexane	ND		ug/kg	50	0.31
1,4-Dioxane	ND		ug/kg	250	44.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	50	0.99
1,4-Diethylbenzene	ND		ug/kg	10	0.50
4-Ethyltoluene	ND		ug/kg	10	0.24
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	0.45
Tetrahydrofuran	ND		ug/kg	50	2.8
Ethyl ether	ND		ug/kg	12	0.95
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.7
Methyl cyclohexane	ND		ug/kg	10	1.7
Ethyl-Tert-Butyl-Ether	ND		ug/kg	10	2.2
Tertiary-Amyl Methyl Ether	ND		ug/kg	10	2.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-005-102

Lab Number: L1216007

Report Date: 09/11/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG559939-1 WG559939-2								
Methylene chloride	95		96		70-130	1		30
1,1-Dichloroethane	99		95		70-130	4		30
Chloroform	106		104		70-130	2		30
Carbon tetrachloride	98		92		70-130	6		30
1,2-Dichloropropane	112		108		70-130	4		30
Dibromochloromethane	103		103		70-130	0		30
1,1,2-Trichloroethane	109		107		70-130	2		30
Tetrachloroethene	96		91		70-130	5		30
Chlorobenzene	105		101		70-130	4		30
Trichlorofluoromethane	90		83		70-139	8		30
1,2-Dichloroethane	107		106		70-130	1		30
1,1,1-Trichloroethane	98		93		70-130	5		30
Bromodichloromethane	112		111		70-130	1		30
trans-1,3-Dichloropropene	107		106		70-130	1		30
cis-1,3-Dichloropropene	114		114		70-130	0		30
1,1-Dichloropropene	98		92		70-130	6		30
Bromoform	102		98		70-130	4		30
1,1,2,2-Tetrachloroethane	105		103		70-130	2		30
Benzene	101		97		70-130	4		30
Toluene	99		94		70-130	5		30
Ethylbenzene	105		100		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-005-102

Lab Number: L1216007

Report Date: 09/11/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG559939-1 WG559939-2								
Chloromethane	83		79		52-130	5		30
Bromomethane	109		97		57-147	12		30
Vinyl chloride	84		79		67-130	6		30
Chloroethane	91		87		50-151	4		30
1,1-Dichloroethene	84		80		65-135	5		30
trans-1,2-Dichloroethene	91		86		70-130	6		30
Trichloroethene	106		101		70-130	5		30
1,2-Dichlorobenzene	100		99		70-130	1		30
1,3-Dichlorobenzene	101		98		70-130	3		30
1,4-Dichlorobenzene	100		97		70-130	3		30
Methyl tert butyl ether	98		98		66-130	0		30
p/m-Xylene	105		101		70-130	4		30
o-Xylene	107		104		70-130	3		30
cis-1,2-Dichloroethene	102		98		70-130	4		30
Dibromomethane	112		111		70-130	1		30
Styrene	110		108		70-130	2		30
Dichlorodifluoromethane	90		83		30-146	8		30
Acetone	111		112		54-140	1		30
Carbon disulfide	81		77		59-130	5		30
2-Butanone	109		110		70-130	1		30
Vinyl acetate	109		111		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-005-102

Lab Number: L1216007

Report Date: 09/11/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG559939-1 WG559939-2								
4-Methyl-2-pentanone	115		116		70-130	1		30
1,2,3-Trichloropropane	96		92		68-130	4		30
2-Hexanone	112		111		70-130	1		30
Bromochloromethane	106		103		70-130	3		30
2,2-Dichloropropane	100		95		70-130	5		30
1,2-Dibromoethane	101		102		70-130	1		30
1,3-Dichloropropane	105		103		69-130	2		30
1,1,1,2-Tetrachloroethane	104		102		70-130	2		30
Bromobenzene	101		97		70-130	4		30
n-Butylbenzene	98		93		70-130	5		30
sec-Butylbenzene	98		92		70-130	6		30
tert-Butylbenzene	99		94		70-130	5		30
o-Chlorotoluene	104		98		70-130	6		30
p-Chlorotoluene	103		98		70-130	5		30
1,2-Dibromo-3-chloropropane	106		92		68-130	14		30
Hexachlorobutadiene	89		82		67-130	8		30
Isopropylbenzene	102		94		70-130	8		30
p-Isopropyltoluene	99		94		70-130	5		30
Naphthalene	101		99		70-130	2		30
Acrylonitrile	112		112		70-130	0		30
Isopropyl Ether	113		112		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1216007
Report Date: 09/11/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG559939-1 WG559939-2								
tert-Butyl Alcohol	110		110		70-130	0		30
n-Propylbenzene	102		95		70-130	7		30
1,2,3-Trichlorobenzene	97		96		70-130	1		30
1,2,4-Trichlorobenzene	96		93		70-130	3		30
1,3,5-Trimethylbenzene	102		97		70-130	5		30
1,2,4-Trimethylbenzene	103		98		70-130	5		30
Methyl Acetate	100		104		70-130	4		30
Ethyl Acetate	112		104		70-130	7		30
Acrolein	83		80		70-130	4		30
Cyclohexane	104		96		70-130	8		30
1,4-Dioxane	121		124		65-136	2		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	103		95		70-130	8		30
1,4-Diethylbenzene	99		94		70-130	5		30
4-Ethyltoluene	102		96		70-130	6		30
1,2,4,5-Tetramethylbenzene	100		98		70-130	2		30
Tetrahydrofuran	115		117		66-130	2		30
Ethyl ether	90		89		67-130	1		30
trans-1,4-Dichloro-2-butene	108		108		70-130	0		30
Methyl cyclohexane	100		93		70-130	7		30
Ethyl-Tert-Butyl-Ether	110		110		70-130	0		30
Tertiary-Amyl Methyl Ether	112		112		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1216007
Report Date: 09/11/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG559939-1 WG559939-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		96		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	99		100		70-130

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG559940-1 WG559940-2								
Methylene chloride	83		85		70-130	2		30
1,1-Dichloroethane	97		102		70-130	5		30
Chloroform	105		110		70-130	5		30
Carbon tetrachloride	114		127		70-130	11		30
1,2-Dichloropropane	86		90		70-130	5		30
Dibromochloromethane	109		115		70-130	5		30
1,1,2-Trichloroethane	95		102		70-130	7		30
Tetrachloroethene	110		117		70-130	6		30
Chlorobenzene	97		100		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-005-102

Lab Number: L1216007

Report Date: 09/11/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG559940-1 WG559940-2								
Trichlorofluoromethane	113		127		70-139	12		30
1,2-Dichloroethane	115		120		70-130	4		30
1,1,1-Trichloroethane	107		113		70-130	5		30
Bromodichloromethane	105		112		70-130	6		30
trans-1,3-Dichloropropene	84		89		70-130	6		30
cis-1,3-Dichloropropene	90		93		70-130	3		30
1,1-Dichloropropene	100		107		70-130	7		30
Bromoform	102		110		70-130	8		30
1,1,2,2-Tetrachloroethane	86		92		70-130	7		30
Benzene	93		97		70-130	4		30
Toluene	94		99		70-130	5		30
Ethylbenzene	99		103		70-130	4		30
Chloromethane	100		107		52-130	7		30
Bromomethane	105		102		57-147	3		30
Vinyl chloride	115		126		67-130	9		30
Chloroethane	99		106		50-151	7		30
1,1-Dichloroethene	96		104		65-135	8		30
trans-1,2-Dichloroethene	95		102		70-130	7		30
Trichloroethene	102		109		70-130	7		30
1,2-Dichlorobenzene	96		101		70-130	5		30
1,3-Dichlorobenzene	97		102		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-005-102

Lab Number: L1216007

Report Date: 09/11/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG559940-1 WG559940-2								
1,4-Dichlorobenzene	97		102		70-130	5		30
Methyl tert butyl ether	87		91		66-130	4		30
p/m-Xylene	98		102		70-130	4		30
o-Xylene	98		100		70-130	2		30
cis-1,2-Dichloroethene	98		104		70-130	6		30
Dibromomethane	102		110		70-130	8		30
Styrene	98		100		70-130	2		30
Dichlorodifluoromethane	94		105		30-146	11		30
Acetone	85		105		54-140	21		30
Carbon disulfide	80		87		59-130	8		30
2-Butanone	78		91		70-130	15		30
Vinyl acetate	96		100		70-130	4		30
4-Methyl-2-pentanone	80		88		70-130	10		30
1,2,3-Trichloropropane	91		101		68-130	10		30
2-Hexanone	82		92		70-130	11		30
Bromochloromethane	97		104		70-130	7		30
2,2-Dichloropropane	81		84		70-130	4		30
1,2-Dibromoethane	104		114		70-130	9		30
1,3-Dichloropropane	96		102		69-130	6		30
1,1,1,2-Tetrachloroethane	104		108		70-130	4		30
Bromobenzene	98		102		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-005-102

Lab Number: L1216007

Report Date: 09/11/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG559940-1 WG559940-2								
n-Butylbenzene	101		110		70-130	9		30
sec-Butylbenzene	98		106		70-130	8		30
tert-Butylbenzene	101		109		70-130	8		30
o-Chlorotoluene	96		104		70-130	8		30
p-Chlorotoluene	94		102		70-130	8		30
1,2-Dibromo-3-chloropropane	92		104		68-130	12		30
Hexachlorobutadiene	110		118		67-130	7		30
Isopropylbenzene	102		106		70-130	4		30
p-Isopropyltoluene	100		108		70-130	8		30
Naphthalene	87		90		70-130	3		30
Acrylonitrile	82		93		70-130	13		30
Isopropyl Ether	87		90		66-130	3		30
tert-Butyl Alcohol	87		94		70-130	8		30
n-Propylbenzene	96		103		70-130	7		30
1,2,3-Trichlorobenzene	97		104		70-130	7		30
1,2,4-Trichlorobenzene	100		106		70-130	6		30
1,3,5-Trimethylbenzene	100		107		70-130	7		30
1,2,4-Trimethylbenzene	98		106		70-130	8		30
Methyl Acetate	92		106		70-130	14		30
Ethyl Acetate	97		104		70-130	7		30
Acrolein	**69**	Q	73		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-005-102

Lab Number: L1216007

Report Date: 09/11/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG559940-1 WG559940-2								
Cyclohexane	90		96		70-130	6		30
1,4-Dioxane	80		87		65-136	8		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	103		114		70-130	10		30
1,4-Diethylbenzene	105		113		70-130	7		30
4-Ethyltoluene	102		110		70-130	8		30
1,2,4,5-Tetramethylbenzene	100		105		70-130	5		30
Tetrahydrofuran	81		92		66-130	13		30
Ethyl ether	90		95		67-130	5		30
trans-1,4-Dichloro-2-butene	82		98		70-130	18		30
Methyl cyclohexane	92		100		70-130	8		30
Ethyl-Tert-Butyl-Ether	82		83		70-130	1		30
Tertiary-Amyl Methyl Ether	76		77		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		130		70-130
Toluene-d8	86		92		70-130
4-Bromofluorobenzene	83		90		70-130
Dibromofluoromethane	99		111		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1216007
Report Date: 09/11/12

SAMPLE RESULTS

Lab ID: L1216007-01
Client ID: UST AREA 2 BOTTOM 7
Sample Location: 0123-005-102
Matrix: Soil

Date Collected: 09/07/12 15:15
Date Received: 09/07/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88		%	0.10	NA	1	-	09/08/12 11:45	30,2540G	TA

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1216007
Report Date: 09/11/12

SAMPLE RESULTS

Lab ID: L1216007-02
Client ID: UST AREA 2 BOTTOM 8
Sample Location: 0123-005-102
Matrix: Soil

Date Collected: 09/07/12 15:30
Date Received: 09/07/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	57		%	0.10	NA	1	-	09/08/12 11:45	30,2540G	TA

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1216007
Report Date: 09/11/12

SAMPLE RESULTS

Lab ID: L1216007-03
Client ID: UST AREA 2 EAST WALL 4
Sample Location: 0123-005-102
Matrix: Soil

Date Collected: 09/07/12 15:00
Date Received: 09/07/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86		%	0.10	NA	1	-	09/08/12 11:45	30,2540G	TA

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1216007
Report Date: 09/11/12

SAMPLE RESULTS

Lab ID: L1216007-04
Client ID: UST AREA 2 WEST WALL 4
Sample Location: 0123-005-102
Matrix: Soil

Date Collected: 09/07/12 14:30
Date Received: 09/07/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	09/08/12 11:45	30,2540G	TA

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1216007
Report Date: 09/11/12

SAMPLE RESULTS

Lab ID: L1216007-05
Client ID: UST AREA 2 WEST WALL 5
Sample Location: 0123-005-102
Matrix: Soil

Date Collected: 09/07/12 14:45
Date Received: 09/07/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76		%	0.10	NA	1	-	09/08/12 11:45	30,2540G	TA

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1216007
Report Date: 09/11/12

SAMPLE RESULTS

Lab ID: L1216007-06
Client ID: UST AREA 2 SOUTH WALL 1
Sample Location: 0123-005-102
Matrix: Soil

Date Collected: 09/07/12 15:45
Date Received: 09/07/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83		%	0.10	NA	1	-	09/08/12 11:45	30,2540G	TA

Lab Duplicate Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1216007
Report Date: 09/11/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG559511-1 QC Sample: L1215938-06 Client ID: DUP Sample						
Solids, Total	89.	89	%	0		20

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1216007
Report Date: 09/11/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1216007-01A	Vial Large unpreserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1216007-01B	Plastic 2oz unpreserved for TS s	A	N/A	3	Y	Absent	TS(7)
L1216007-02A	Vial Large unpreserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1216007-02B	Plastic 2oz unpreserved for TS s	A	N/A	3	Y	Absent	TS(7)
L1216007-03A	Vial Large unpreserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1216007-03B	Plastic 2oz unpreserved for TS s	A	N/A	3	Y	Absent	TS(7)
L1216007-04A	Vial Large unpreserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1216007-04B	Plastic 2oz unpreserved for TS s	A	N/A	3	Y	Absent	TS(7)
L1216007-05A	Vial Large unpreserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1216007-05B	Plastic 2oz unpreserved for TS s	A	N/A	3	Y	Absent	TS(7)
L1216007-06A	Vial Large unpreserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1216007-06B	Plastic 2oz unpreserved for TS s	A	N/A	3	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name:	348 LANGNER RD	**Lab Number:**	L1216007
Project Number:	0123-005-102	**Report Date:**	09/11/12

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD	**Lab Number:**	L1216007
Project Number:	0123-005-102	**Report Date:**	09/11/12

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD	**Lab Number:**	L1216007
Project Number:	0123-005-102	**Report Date:**	09/11/12

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 16, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8082, 8330, 8151A, 8260B, 8270C, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9030B, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7

for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010B, 6010C, 6020, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9030B, 9040B, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082, 8082A, 8081A, 8081B, 8151A, 8330, 8270C-SIM, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 6010C, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050, 9065,1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082, 8082A, 8081A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, 2540G, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012A, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C, 3546, 3580, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7471A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 245.2, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 3501., 350.2, 353.2, 420.1, 6010B, 6010C, 6020, 6020A, 7196A, 7470A, 9010B, 9030B, 9040B, Lachat 10-107-06-2-D, NJ-EPH, 2120B, 2310B, 2320B, 2340B, 2510C, 2540B, 2540C, 3500Cr-D, 436C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330, 8015B,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010B, 6010C, 6020A, 7196A, 7471A, 7471B, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 2..08, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5035, 3540C, 3546, 3550, 3580, 3630C, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9-7-12

ALPHA Job #: L1216007

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Turnkey

Address: 2558 Hamburg Turnpike Buffalo NY 14218

Phone: (716) 856-0599

Fax: (716) 856-0583

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 348 Laugner Rd Site

Project Location: 348 Laugner Rd

Project #: 0123-005-102

Project Manager: Mike Leszkowski

ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)

Date Due: 2 Day Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
CAT-B	

Other Project Specific Requirements/Comments/Detection Limits:

CAT-B

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: TCL VOC + STARS	SAMPLE HANDLING	TOTAL # BOTTLES
L1216007-1	ust area 2 Bottom 7	9-7-12	1515	Soil	PWW	X		
2	ust area 2 Bottom 8		1530			X		
3	ust area 2 eastwall 4		1500			X		
4	ust area 2 westwall 4		1430			X		
5	ust area 2 ~~eastwall~~ 5		1495			X		
6	ust area 2 Southwall 1		1545			X		

SAMPLE HANDLING

Filtration

☐ Done ☐ Not needed ☐ Lab to do

Preservation

☐ Lab to do

(Please specify below)

Sample Specific Comments

Container Type																			
Preservative																			

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	9-7-12 1600	[signature]	9-7-12 1600
[signature]	9-7-12 1920	[signature]	9-7-12 1920
[signature]	9-7-12 2351	[signature]	9-7-12 2357

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1215915
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	348 LANGNER RD SITE
Project Number:	0123-005-102
Report Date:	09/10/12

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102

Lab Number: L1215915
Report Date: 09/10/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1215915-01	BOTTOM 3 UST AREA 2	348 LANGNER RD.	09/06/12 10:30
L1215915-02	UST AREA 2 BOTTOM 4	348 LANGNER RD.	09/06/12 12:30
L1215915-03	UST AREA 2 BOTTOM 5	348 LANGNER RD.	09/06/12 13:30
L1215915-04	UST AREA 2 BOTTOM 6	348 LANGNER RD.	09/06/12 14:30
L1215915-05	UST AREA 2 EAST WALL 3	348 LANGNER RD.	09/06/12 15:10
L1215915-06	UST AREA 2 WEST WALL 2	348 LANGNER RD.	09/06/12 14:40
L1215915-07	UST AREA 2 WEST WALL 3	348 LANGNER RD.	09/06/12 14:50

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102

Lab Number: L1215915
Report Date: 09/10/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1215915
Project Number:	0123-005-102	**Report Date:**	09/10/12

Case Narrative (continued)

Report Submission

This report replaces the report issued earlier today. The Volatile Organics data for L1215915-07 has been amended.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 09/10/12

ORGANICS

VOLATILES

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215915

Project Number: 0123-005-102 **Report Date:** 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-01
Client ID: BOTTOM 3 UST AREA 2
Sample Location: 348 LANGNER RD.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/07/12 16:42
Analyst: BN
Percent Solids: 91%

Date Collected: 09/06/12 10:30
Date Received: 09/07/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	27	5.5	1
1,1-Dichloroethane	ND		ug/kg	4.1	0.81	1
Chloroform	ND		ug/kg	4.1	0.89	1
Carbon tetrachloride	ND		ug/kg	2.7	0.58	1
1,2-Dichloropropane	ND		ug/kg	9.6	0.70	1
Dibromochloromethane	ND		ug/kg	2.7	0.84	1
1,1,2-Trichloroethane	ND		ug/kg	4.1	1.1	1
Tetrachloroethene	ND		ug/kg	2.7	0.84	1
Chlorobenzene	ND		ug/kg	2.7	0.51	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	ND		ug/kg	2.7	0.62	1
1,1,1-Trichloroethane	ND		ug/kg	2.7	0.74	1
Bromodichloromethane	ND		ug/kg	2.7	1.0	1
trans-1,3-Dichloropropene	ND		ug/kg	2.7	0.82	1
cis-1,3-Dichloropropene	ND		ug/kg	2.7	0.73	1
1,1-Dichloropropene	ND		ug/kg	14	1.2	1
Bromoform	ND		ug/kg	11	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	0.66	1
Benzene	140		ug/kg	2.7	0.82	1
Toluene	5.9		ug/kg	4.1	0.66	1
Ethylbenzene	8.7		ug/kg	2.7	0.61	1
Chloromethane	ND		ug/kg	14	2.2	1
Bromomethane	ND		ug/kg	5.5	1.8	1
Vinyl chloride	ND		ug/kg	5.5	2.1	1
Chloroethane	ND		ug/kg	5.5	1.2	1
1,1-Dichloroethene	ND		ug/kg	2.7	0.71	1
trans-1,2-Dichloroethene	ND		ug/kg	4.1	1.1	1
Trichloroethene	ND		ug/kg	2.7	0.62	1
1,2-Dichlorobenzene	ND		ug/kg	14	1.0	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.1	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.2	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215915

Project Number: 0123-005-102 **Report Date:** 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-01 Date Collected: 09/06/12 10:30

Client ID: BOTTOM 3 UST AREA 2 Date Received: 09/07/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	3.3	J	ug/kg	5.5	1.3	1
p/m-Xylene	20		ug/kg	5.5	1.2	1
o-Xylene	4.8	J	ug/kg	5.5	1.1	1
cis-1,2-Dichloroethene	ND		ug/kg	2.7	0.83	1
Dibromomethane	ND		ug/kg	27	1.2	1
Styrene	ND		ug/kg	5.5	2.0	1
Dichlorodifluoromethane	ND		ug/kg	27	1.1	1
Acetone	15	J	ug/kg	27	8.9	1
Carbon disulfide	2.0	J	ug/kg	27	1.0	1
2-Butanone	11	J	ug/kg	27	11.	1
Vinyl acetate	ND		ug/kg	27	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	27	2.2	1
1,2,3-Trichloropropane	ND		ug/kg	27	1.1	1
2-Hexanone	ND		ug/kg	27	1.1	1
Bromochloromethane	ND		ug/kg	14	0.83	1
2,2-Dichloropropane	ND		ug/kg	14	2.2	1
1,2-Dibromoethane	ND		ug/kg	11	1.1	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.7	0.90	1
Bromobenzene	ND		ug/kg	14	0.60	1
n-Butylbenzene	ND		ug/kg	2.7	0.86	1
sec-Butylbenzene	ND		ug/kg	2.7	0.76	1
tert-Butylbenzene	ND		ug/kg	14	1.6	1
o-Chlorotoluene	ND		ug/kg	14	0.86	1
p-Chlorotoluene	ND		ug/kg	14	0.99	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.3	1
Hexachlorobutadiene	ND		ug/kg	14	1.2	1
Isopropylbenzene	2.0	J	ug/kg	2.7	0.49	1
p-Isopropyltoluene	ND		ug/kg	2.7	0.75	1
Naphthalene	5.5	J	ug/kg	14	2.1	1
Acrylonitrile	ND		ug/kg	27	1.0	1
n-Propylbenzene	3.2		ug/kg	2.7	0.78	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.1	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.2	1
1,3,5-Trimethylbenzene	4.0	J	ug/kg	14	1.6	1
1,2,4-Trimethylbenzene	4.6	J	ug/kg	14	1.6	1
1,4-Dioxane	ND		ug/kg	270	48.	1
1,4-Diethylbenzene	0.92	J	ug/kg	11	0.55	1
4-Ethyltoluene	3.4	J	ug/kg	11	0.27	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215915

Project Number: 0123-005-102 **Report Date:** 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-01 Date Collected: 09/06/12 10:30

Client ID: BOTTOM 3 UST AREA 2 Date Received: 09/07/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	1.0	J	ug/kg	11	0.50	1
Ethyl ether	ND		ug/kg	14	1.0	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	104		70-130

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215915

Project Number: 0123-005-102 **Report Date:** 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-02
Client ID: UST AREA 2 BOTTOM 4
Sample Location: 348 LANGNER RD.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/07/12 17:09
Analyst: BN
Percent Solids: 85%

Date Collected: 09/06/12 12:30
Date Received: 09/07/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	12	J	ug/kg	29	5.9	1
1,1-Dichloroethane	ND		ug/kg	4.4	0.87	1
Chloroform	ND		ug/kg	4.4	0.95	1
Carbon tetrachloride	ND		ug/kg	2.9	0.62	1
1,2-Dichloropropane	ND		ug/kg	10	0.75	1
Dibromochloromethane	ND		ug/kg	2.9	0.90	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	1.2	1
Tetrachloroethene	ND		ug/kg	2.9	0.90	1
Chlorobenzene	ND		ug/kg	2.9	0.55	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	2.7	J	ug/kg	2.9	0.67	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	0.79	1
Bromodichloromethane	ND		ug/kg	2.9	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	0.88	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	0.78	1
1,1-Dichloropropene	ND		ug/kg	15	1.3	1
Bromoform	ND		ug/kg	12	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	0.71	1
Benzene	ND		ug/kg	2.9	0.87	1
Toluene	ND		ug/kg	4.4	0.71	1
Ethylbenzene	2.9		ug/kg	2.9	0.65	1
Chloromethane	ND		ug/kg	15	2.3	1
Bromomethane	ND		ug/kg	5.9	1.9	1
Vinyl chloride	ND		ug/kg	5.9	2.2	1
Chloroethane	ND		ug/kg	5.9	1.3	1
1,1-Dichloroethene	ND		ug/kg	2.9	0.76	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	1.2	1
Trichloroethene	ND		ug/kg	2.9	0.66	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.2	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215915

Project Number: 0123-005-102 **Report Date:** 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-02 Date Collected: 09/06/12 12:30

Client ID: UST AREA 2 BOTTOM 4 Date Received: 09/07/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.9	1.4	1
p/m-Xylene	3.7	J	ug/kg	5.9	1.3	1
o-Xylene	ND		ug/kg	5.9	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	0.89	1
Dibromomethane	ND		ug/kg	29	1.3	1
Styrene	ND		ug/kg	5.9	2.1	1
Dichlorodifluoromethane	ND		ug/kg	29	1.1	1
Acetone	ND		ug/kg	29	9.5	1
Carbon disulfide	ND		ug/kg	29	1.1	1
2-Butanone	ND		ug/kg	29	11.	1
Vinyl acetate	ND		ug/kg	29	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	29	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	29	1.1	1
2-Hexanone	ND		ug/kg	29	1.2	1
Bromochloromethane	ND		ug/kg	15	0.89	1
2,2-Dichloropropane	ND		ug/kg	15	2.3	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.96	1
Bromobenzene	ND		ug/kg	15	0.65	1
n-Butylbenzene	ND		ug/kg	2.9	0.92	1
sec-Butylbenzene	ND		ug/kg	2.9	0.81	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.92	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.3	1
Isopropylbenzene	ND		ug/kg	2.9	0.52	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.80	1
Naphthalene	ND		ug/kg	15	2.3	1
Acrylonitrile	ND		ug/kg	29	1.1	1
n-Propylbenzene	ND		ug/kg	2.9	0.84	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.3	1
1,3,5-Trimethylbenzene	2.6	J	ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	3.1	J	ug/kg	15	1.7	1
1,4-Dioxane	ND		ug/kg	290	51.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.59	1
4-Ethyltoluene	ND		ug/kg	12	0.28	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215915

Project Number: 0123-005-102 **Report Date:** 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-02 Date Collected: 09/06/12 12:30

Client ID: UST AREA 2 BOTTOM 4 Date Received: 09/07/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	0.83	J	ug/kg	12	0.53	1
Ethyl ether	ND		ug/kg	15	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	108		70-130

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215915

Project Number: 0123-005-102 **Report Date:** 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-03
Client ID: UST AREA 2 BOTTOM 5
Sample Location: 348 LANGNER RD.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/07/12 17:37
Analyst: BN
Percent Solids: 84%

Date Collected: 09/06/12 13:30
Date Received: 09/07/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	11	J	ug/kg	30	6.0	1
1,1-Dichloroethane	ND		ug/kg	4.5	0.88	1
Chloroform	ND		ug/kg	4.5	0.97	1
Carbon tetrachloride	ND		ug/kg	3.0	0.63	1
1,2-Dichloropropane	ND		ug/kg	10	0.76	1
Dibromochloromethane	ND		ug/kg	3.0	0.92	1
1,1,2-Trichloroethane	ND		ug/kg	4.5	1.2	1
Tetrachloroethene	ND		ug/kg	3.0	0.91	1
Chlorobenzene	ND		ug/kg	3.0	0.55	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.0	0.68	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.80	1
Bromodichloromethane	ND		ug/kg	3.0	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.89	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.80	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.71	1
Benzene	20		ug/kg	3.0	0.88	1
Toluene	6.7		ug/kg	4.5	0.72	1
Ethylbenzene	6.0		ug/kg	3.0	0.66	1
Chloromethane	ND		ug/kg	15	2.3	1
Bromomethane	ND		ug/kg	6.0	1.9	1
Vinyl chloride	ND		ug/kg	6.0	2.2	1
Chloroethane	ND		ug/kg	6.0	1.3	1
1,1-Dichloroethene	ND		ug/kg	3.0	0.77	1
trans-1,2-Dichloroethene	ND		ug/kg	4.5	1.2	1
Trichloroethene	ND		ug/kg	3.0	0.67	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.2	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215915

Project Number: 0123-005-102 **Report Date:** 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-03 Date Collected: 09/06/12 13:30

Client ID: UST AREA 2 BOTTOM 5 Date Received: 09/07/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.0	1.4	1
p/m-Xylene	47		ug/kg	6.0	1.3	1
o-Xylene	19		ug/kg	6.0	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.90	1
Dibromomethane	ND		ug/kg	30	1.3	1
Styrene	ND		ug/kg	6.0	2.2	1
Dichlorodifluoromethane	ND		ug/kg	30	1.2	1
Acetone	50		ug/kg	30	9.6	1
Carbon disulfide	ND		ug/kg	30	1.1	1
2-Butanone	ND		ug/kg	30	12.	1
Vinyl acetate	ND		ug/kg	30	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	30	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	30	1.2	1
2-Hexanone	ND		ug/kg	30	1.2	1
Bromochloromethane	ND		ug/kg	15	0.90	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	0.98	1
Bromobenzene	ND		ug/kg	15	0.66	1
n-Butylbenzene	11		ug/kg	3.0	0.94	1
sec-Butylbenzene	25		ug/kg	3.0	0.82	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.93	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	6.8		ug/kg	3.0	0.53	1
p-Isopropyltoluene	ND		ug/kg	3.0	0.81	1
Naphthalene	4.4	J	ug/kg	15	2.3	1
Acrylonitrile	ND		ug/kg	30	1.1	1
n-Propylbenzene	16		ug/kg	3.0	0.84	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	10	J	ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	32		ug/kg	15	1.7	1
1,4-Dioxane	ND		ug/kg	300	52.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.60	1
4-Ethyltoluene	ND		ug/kg	12	0.29	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215915

Project Number: 0123-005-102 **Report Date:** 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-03 Date Collected: 09/06/12 13:30

Client ID: UST AREA 2 BOTTOM 5 Date Received: 09/07/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	7.1	J	ug/kg	12	0.54	1
Ethyl ether	ND		ug/kg	15	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215915

Project Number: 0123-005-102 **Report Date:** 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-04
Client ID: UST AREA 2 BOTTOM 6
Sample Location: 348 LANGNER RD.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/07/12 18:05
Analyst: BN
Percent Solids: 84%

Date Collected: 09/06/12 14:30
Date Received: 09/07/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	30	6.0	1
1,1-Dichloroethane	ND		ug/kg	4.5	0.88	1
Chloroform	ND		ug/kg	4.5	0.97	1
Carbon tetrachloride	ND		ug/kg	3.0	0.63	1
1,2-Dichloropropane	ND		ug/kg	10	0.76	1
Dibromochloromethane	ND		ug/kg	3.0	0.92	1
1,1,2-Trichloroethane	ND		ug/kg	4.5	1.2	1
Tetrachloroethene	ND		ug/kg	3.0	0.91	1
Chlorobenzene	ND		ug/kg	3.0	0.55	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.0	0.68	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.80	1
Bromodichloromethane	ND		ug/kg	3.0	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.89	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.80	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.71	1
Benzene	23		ug/kg	3.0	0.88	1
Toluene	9.0		ug/kg	4.5	0.72	1
Ethylbenzene	7.1		ug/kg	3.0	0.66	1
Chloromethane	ND		ug/kg	15	2.3	1
Bromomethane	ND		ug/kg	6.0	1.9	1
Vinyl chloride	ND		ug/kg	6.0	2.2	1
Chloroethane	ND		ug/kg	6.0	1.3	1
1,1-Dichloroethene	ND		ug/kg	3.0	0.77	1
trans-1,2-Dichloroethene	ND		ug/kg	4.5	1.2	1
Trichloroethene	ND		ug/kg	3.0	0.67	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.2	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215915

Project Number: 0123-005-102 **Report Date:** 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-04 Date Collected: 09/06/12 14:30

Client ID: UST AREA 2 BOTTOM 6 Date Received: 09/07/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.0	1.4	1
p/m-Xylene	46		ug/kg	6.0	1.3	1
o-Xylene	21		ug/kg	6.0	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.90	1
Dibromomethane	ND		ug/kg	30	1.3	1
Styrene	ND		ug/kg	6.0	2.2	1
Dichlorodifluoromethane	ND		ug/kg	30	1.2	1
Acetone	29	J	ug/kg	30	9.6	1
Carbon disulfide	ND		ug/kg	30	1.1	1
2-Butanone	ND		ug/kg	30	12.	1
Vinyl acetate	ND		ug/kg	30	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	30	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	30	1.2	1
2-Hexanone	ND		ug/kg	30	1.2	1
Bromochloromethane	ND		ug/kg	15	0.90	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	0.98	1
Bromobenzene	ND		ug/kg	15	0.66	1
n-Butylbenzene	ND		ug/kg	3.0	0.94	1
sec-Butylbenzene	ND		ug/kg	3.0	0.82	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.93	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	10		ug/kg	3.0	0.53	1
p-Isopropyltoluene	ND		ug/kg	3.0	0.81	1
Naphthalene	3.7	J	ug/kg	15	2.3	1
Acrylonitrile	ND		ug/kg	30	1.1	1
n-Propylbenzene	22		ug/kg	3.0	0.84	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	7.1	J	ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	24		ug/kg	15	1.7	1
1,4-Dioxane	ND		ug/kg	300	52.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.60	1
4-Ethyltoluene	ND		ug/kg	12	0.29	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215915

Project Number: 0123-005-102 **Report Date:** 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-04 Date Collected: 09/06/12 14:30

Client ID: UST AREA 2 BOTTOM 6 Date Received: 09/07/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	2.9	J	ug/kg	12	0.54	1
Ethyl ether	ND		ug/kg	15	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	104		70-130

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215915

Project Number: 0123-005-102 **Report Date:** 09/10/12

SAMPLE RESULTS

Lab ID:	L1215915-05	Date Collected:	09/06/12 15:10
Client ID:	UST AREA 2 EAST WALL 3	Date Received:	09/07/12
Sample Location:	348 LANGNER RD.	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/07/12 18:32		
Analyst:	BN		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	30	6.1	1
1,1-Dichloroethane	ND		ug/kg	4.6	0.90	1
Chloroform	ND		ug/kg	4.6	0.99	1
Carbon tetrachloride	ND		ug/kg	3.0	0.64	1
1,2-Dichloropropane	ND		ug/kg	11	0.78	1
Dibromochloromethane	ND		ug/kg	3.0	0.94	1
1,1,2-Trichloroethane	ND		ug/kg	4.6	1.2	1
Tetrachloroethene	ND		ug/kg	3.0	0.93	1
Chlorobenzene	ND		ug/kg	3.0	0.57	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.0	0.69	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.82	1
Bromodichloromethane	ND		ug/kg	3.0	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.92	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.81	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.73	1
Benzene	ND		ug/kg	3.0	0.91	1
Toluene	ND		ug/kg	4.6	0.74	1
Ethylbenzene	ND		ug/kg	3.0	0.68	1
Chloromethane	ND		ug/kg	15	2.4	1
Bromomethane	ND		ug/kg	6.1	2.0	1
Vinyl chloride	ND		ug/kg	6.1	2.3	1
Chloroethane	ND		ug/kg	6.1	1.3	1
1,1-Dichloroethene	ND		ug/kg	3.0	0.79	1
trans-1,2-Dichloroethene	ND		ug/kg	4.6	1.2	1
Trichloroethene	ND		ug/kg	3.0	0.68	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.3	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215915

Project Number: 0123-005-102 **Report Date:** 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-05 Date Collected: 09/06/12 15:10

Client ID: UST AREA 2 EAST WALL 3 Date Received: 09/07/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.1	1.5	1
p/m-Xylene	ND		ug/kg	6.1	1.3	1
o-Xylene	ND		ug/kg	6.1	1.3	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.92	1
Dibromomethane	ND		ug/kg	30	1.3	1
Styrene	ND		ug/kg	6.1	2.2	1
Dichlorodifluoromethane	ND		ug/kg	30	1.2	1
Acetone	77		ug/kg	30	9.9	1
Carbon disulfide	2.5	J	ug/kg	30	1.1	1
2-Butanone	ND		ug/kg	30	12.	1
Vinyl acetate	ND		ug/kg	30	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	30	2.5	1
1,2,3-Trichloropropane	ND		ug/kg	30	1.2	1
2-Hexanone	ND		ug/kg	30	1.2	1
Bromochloromethane	ND		ug/kg	15	0.92	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	1.0	1
Bromobenzene	ND		ug/kg	15	0.67	1
n-Butylbenzene	ND		ug/kg	3.0	0.96	1
sec-Butylbenzene	ND		ug/kg	3.0	0.84	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.95	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.6	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	ND		ug/kg	3.0	0.54	1
p-Isopropyltoluene	ND		ug/kg	3.0	0.83	1
Naphthalene	ND		ug/kg	15	2.3	1
Acrylonitrile	ND		ug/kg	30	1.1	1
n-Propylbenzene	ND		ug/kg	3.0	0.86	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.7	1
1,4-Dioxane	ND		ug/kg	300	53.	1
1,4-Diethylbenzene	10	J	ug/kg	12	0.61	1
4-Ethyltoluene	ND		ug/kg	12	0.30	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215915

Project Number: 0123-005-102 **Report Date:** 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-05 Date Collected: 09/06/12 15:10

Client ID: UST AREA 2 EAST WALL 3 Date Received: 09/07/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	3.3	J	ug/kg	12	0.55	1
Ethyl ether	ND		ug/kg	15	1.2	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215915

Project Number: 0123-005-102 **Report Date:** 09/10/12

SAMPLE RESULTS

Lab ID:	L1215915-06	Date Collected:	09/06/12 14:40
Client ID:	UST AREA 2 WEST WALL 2	Date Received:	09/07/12
Sample Location:	348 LANGNER RD.	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/07/12 19:00		
Analyst:	BN		
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	33	6.6	1
1,1-Dichloroethane	ND		ug/kg	4.9	0.97	1
Chloroform	ND		ug/kg	4.9	1.1	1
Carbon tetrachloride	ND		ug/kg	3.3	0.69	1
1,2-Dichloropropane	ND		ug/kg	12	0.84	1
Dibromochloromethane	ND		ug/kg	3.3	1.0	1
1,1,2-Trichloroethane	ND		ug/kg	4.9	1.3	1
Tetrachloroethene	ND		ug/kg	3.3	1.0	1
Chlorobenzene	ND		ug/kg	3.3	0.61	1
Trichlorofluoromethane	ND		ug/kg	16	1.3	1
1,2-Dichloroethane	ND		ug/kg	3.3	0.75	1
1,1,1-Trichloroethane	ND		ug/kg	3.3	0.89	1
Bromodichloromethane	ND		ug/kg	3.3	1.3	1
trans-1,3-Dichloropropene	ND		ug/kg	3.3	0.99	1
cis-1,3-Dichloropropene	ND		ug/kg	3.3	0.88	1
1,1-Dichloropropene	ND		ug/kg	16	1.5	1
Bromoform	ND		ug/kg	13	1.6	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.3	0.79	1
Benzene	30		ug/kg	3.3	0.98	1
Toluene	4.6	J	ug/kg	4.9	0.79	1
Ethylbenzene	3.1	J	ug/kg	3.3	0.73	1
Chloromethane	ND		ug/kg	16	2.6	1
Bromomethane	ND		ug/kg	6.6	2.1	1
Vinyl chloride	ND		ug/kg	6.6	2.5	1
Chloroethane	ND		ug/kg	6.6	1.4	1
1,1-Dichloroethene	ND		ug/kg	3.3	0.85	1
trans-1,2-Dichloroethene	ND		ug/kg	4.9	1.3	1
Trichloroethene	ND		ug/kg	3.3	0.74	1
1,2-Dichlorobenzene	ND		ug/kg	16	1.2	1
1,3-Dichlorobenzene	ND		ug/kg	16	1.3	1
1,4-Dichlorobenzene	ND		ug/kg	16	1.4	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215915

Project Number: 0123-005-102 **Report Date:** 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-06 Date Collected: 09/06/12 14:40

Client ID: UST AREA 2 WEST WALL 2 Date Received: 09/07/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.6	1.6	1
p/m-Xylene	24		ug/kg	6.6	1.4	1
o-Xylene	15		ug/kg	6.6	1.4	1
cis-1,2-Dichloroethene	ND		ug/kg	3.3	0.99	1
Dibromomethane	ND		ug/kg	33	1.4	1
Styrene	ND		ug/kg	6.6	2.4	1
Dichlorodifluoromethane	ND		ug/kg	33	1.3	1
Acetone	38		ug/kg	33	11.	1
Carbon disulfide	ND		ug/kg	33	1.2	1
2-Butanone	ND		ug/kg	33	13.	1
Vinyl acetate	ND		ug/kg	33	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	33	2.7	1
1,2,3-Trichloropropane	ND		ug/kg	33	1.3	1
2-Hexanone	ND		ug/kg	33	1.3	1
Bromochloromethane	ND		ug/kg	16	0.99	1
2,2-Dichloropropane	ND		ug/kg	16	2.6	1
1,2-Dibromoethane	ND		ug/kg	13	1.3	1
1,3-Dichloropropane	ND		ug/kg	16	1.9	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.3	1.1	1
Bromobenzene	ND		ug/kg	16	0.72	1
n-Butylbenzene	ND		ug/kg	3.3	1.0	1
sec-Butylbenzene	10		ug/kg	3.3	0.91	1
tert-Butylbenzene	ND		ug/kg	16	2.0	1
o-Chlorotoluene	ND		ug/kg	16	1.0	1
p-Chlorotoluene	ND		ug/kg	16	1.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	16	2.8	1
Hexachlorobutadiene	ND		ug/kg	16	1.5	1
Isopropylbenzene	2.7	J	ug/kg	3.3	0.58	1
p-Isopropyltoluene	ND		ug/kg	3.3	0.90	1
Naphthalene	4.5	J	ug/kg	16	2.5	1
Acrylonitrile	ND		ug/kg	33	1.2	1
n-Propylbenzene	5.7		ug/kg	3.3	0.93	1
1,2,3-Trichlorobenzene	ND		ug/kg	16	1.3	1
1,2,4-Trichlorobenzene	ND		ug/kg	16	2.6	1
1,3,5-Trimethylbenzene	4.5	J	ug/kg	16	2.0	1
1,2,4-Trimethylbenzene	13	J	ug/kg	16	1.9	1
1,4-Dioxane	ND		ug/kg	330	57.	1
1,4-Diethylbenzene	ND		ug/kg	13	0.66	1
4-Ethyltoluene	ND		ug/kg	13	0.32	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215915

Project Number: 0123-005-102 **Report Date:** 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-06 Date Collected: 09/06/12 14:40

Client ID: UST AREA 2 WEST WALL 2 Date Received: 09/07/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	5.9	J	ug/kg	13	0.60	1
Ethyl ether	ND		ug/kg	16	1.2	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	16	4.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	107		70-130

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215915

Project Number: 0123-005-102 **Report Date:** 09/10/12

SAMPLE RESULTS

Lab ID:	L1215915-07	Date Collected:	09/06/12 14:50
Client ID:	UST AREA 2 WEST WALL 3	Date Received:	09/07/12
Sample Location:	348 LANGNER RD.	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/10/12 14:14		
Analyst:	BN		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	31	6.2	1
1,1-Dichloroethane	ND		ug/kg	4.6	0.91	1
Chloroform	ND		ug/kg	4.6	1.0	1
Carbon tetrachloride	ND		ug/kg	3.1	0.65	1
1,2-Dichloropropane	ND		ug/kg	11	0.79	1
Dibromochloromethane	ND		ug/kg	3.1	0.95	1
1,1,2-Trichloroethane	ND		ug/kg	4.6	1.2	1
Tetrachloroethene	ND		ug/kg	3.1	0.94	1
Chlorobenzene	ND		ug/kg	3.1	0.57	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.1	0.70	1
1,1,1-Trichloroethane	ND		ug/kg	3.1	0.83	1
Bromodichloromethane	ND		ug/kg	3.1	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.1	0.93	1
cis-1,3-Dichloropropene	ND		ug/kg	3.1	0.82	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.1	0.74	1
Benzene	44		ug/kg	3.1	0.92	1
Toluene	2.3	J	ug/kg	4.6	0.74	1
Ethylbenzene	210		ug/kg	3.1	0.68	1
Chloromethane	ND		ug/kg	15	2.4	1
Bromomethane	ND		ug/kg	6.2	2.0	1
Vinyl chloride	ND		ug/kg	6.2	2.3	1
Chloroethane	ND		ug/kg	6.2	1.4	1
1,1-Dichloroethene	ND		ug/kg	3.1	0.80	1
trans-1,2-Dichloroethene	ND		ug/kg	4.6	1.2	1
Trichloroethene	ND		ug/kg	3.1	0.69	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.3	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215915

Project Number: 0123-005-102 **Report Date:** 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-07 Date Collected: 09/06/12 14:50

Client ID: UST AREA 2 WEST WALL 3 Date Received: 09/07/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.2	1.5	1
p/m-Xylene	20		ug/kg	6.2	1.3	1
o-Xylene	5.1	J	ug/kg	6.2	1.3	1
cis-1,2-Dichloroethene	ND		ug/kg	3.1	0.93	1
Dibromomethane	ND		ug/kg	31	1.3	1
Styrene	ND		ug/kg	6.2	2.2	1
Dichlorodifluoromethane	ND		ug/kg	31	1.2	1
Acetone	200		ug/kg	31	10.	1
Carbon disulfide	ND		ug/kg	31	1.2	1
2-Butanone	80		ug/kg	31	12.	1
Vinyl acetate	ND		ug/kg	31	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	31	2.5	1
1,2,3-Trichloropropane	ND		ug/kg	31	1.2	1
2-Hexanone	ND		ug/kg	31	1.2	1
Bromochloromethane	ND		ug/kg	15	0.93	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.3	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.1	1.0	1
Bromobenzene	ND		ug/kg	15	0.68	1
n-Butylbenzene	25		ug/kg	3.1	0.97	1
sec-Butylbenzene	8.4		ug/kg	3.1	0.85	1
tert-Butylbenzene	ND		ug/kg	15	1.9	1
o-Chlorotoluene	ND		ug/kg	15	0.97	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.6	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	26		ug/kg	3.1	0.55	1
p-Isopropyltoluene	30		ug/kg	3.1	0.84	1
Naphthalene	150		ug/kg	15	2.4	1
Acrylonitrile	ND		ug/kg	31	1.2	1
n-Propylbenzene	140		ug/kg	3.1	0.88	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	4.5	J	ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	10	J	ug/kg	15	1.8	1
1,4-Dioxane	ND		ug/kg	310	54.	1
1,4-Diethylbenzene	22		ug/kg	12	0.62	1
4-Ethyltoluene	14		ug/kg	12	0.30	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215915

Project Number: 0123-005-102 **Report Date:** 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-07 Date Collected: 09/06/12 14:50

Client ID: UST AREA 2 WEST WALL 3 Date Received: 09/07/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	88		ug/kg	12	0.56	1
Ethyl ether	ND		ug/kg	15	1.2	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	97		70-130

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1215915
Report Date: 09/10/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/07/12 08:52
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG559643-3					
Methylene chloride	ND		ug/kg	25	5.0
1,1-Dichloroethane	ND		ug/kg	3.8	0.74
Chloroform	ND		ug/kg	3.8	0.81
Carbon tetrachloride	ND		ug/kg	2.5	0.53
1,2-Dichloropropane	ND		ug/kg	8.8	0.64
Dibromochloromethane	ND		ug/kg	2.5	0.77
1,1,2-Trichloroethane	ND		ug/kg	3.8	0.98
Tetrachloroethene	ND		ug/kg	2.5	0.76
Chlorobenzene	ND		ug/kg	2.5	0.46
Trichlorofluoromethane	ND		ug/kg	12	0.98
1,2-Dichloroethane	ND		ug/kg	2.5	0.57
1,1,1-Trichloroethane	ND		ug/kg	2.5	0.67
Bromodichloromethane	ND		ug/kg	2.5	0.96
trans-1,3-Dichloropropene	ND		ug/kg	2.5	0.75
cis-1,3-Dichloropropene	ND		ug/kg	2.5	0.67
1,1-Dichloropropene	ND		ug/kg	12	1.1
Bromoform	ND		ug/kg	10	1.2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	0.60
Benzene	ND		ug/kg	2.5	0.74
Toluene	ND		ug/kg	3.8	0.60
Ethylbenzene	ND		ug/kg	2.5	0.55
Chloromethane	ND		ug/kg	12	2.0
Bromomethane	ND		ug/kg	5.0	1.6
Vinyl chloride	ND		ug/kg	5.0	1.9
Chloroethane	ND		ug/kg	5.0	1.1
1,1-Dichloroethene	ND		ug/kg	2.5	0.65
trans-1,2-Dichloroethene	ND		ug/kg	3.8	0.98
Trichloroethene	ND		ug/kg	2.5	0.56
1,2-Dichlorobenzene	ND		ug/kg	12	0.91
1,3-Dichlorobenzene	ND		ug/kg	12	1.0
1,4-Dichlorobenzene	ND		ug/kg	12	1.0

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1215915
Report Date: 09/10/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/07/12 08:52
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG559643-3					
Methyl tert butyl ether	ND		ug/kg	5.0	1.2
p/m-Xylene	ND		ug/kg	5.0	1.1
o-Xylene	ND		ug/kg	5.0	1.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5	0.75
Dibromomethane	ND		ug/kg	25	1.1
Styrene	ND		ug/kg	5.0	1.8
Dichlorodifluoromethane	ND		ug/kg	25	0.97
Acetone	ND		ug/kg	25	8.1
Carbon disulfide	ND		ug/kg	25	0.94
2-Butanone	ND		ug/kg	25	9.7
Vinyl acetate	ND		ug/kg	25	1.9
4-Methyl-2-pentanone	ND		ug/kg	25	2.0
1,2,3-Trichloropropane	ND		ug/kg	25	0.97
2-Hexanone	ND		ug/kg	25	0.99
Bromochloromethane	ND		ug/kg	12	0.76
2,2-Dichloropropane	ND		ug/kg	12	2.0
1,2-Dibromoethane	ND		ug/kg	10	1.0
1,3-Dichloropropane	ND		ug/kg	12	1.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	0.82
Bromobenzene	ND		ug/kg	12	0.55
n-Butylbenzene	ND		ug/kg	2.5	0.79
sec-Butylbenzene	ND		ug/kg	2.5	0.69
tert-Butylbenzene	ND		ug/kg	12	1.5
o-Chlorotoluene	ND		ug/kg	12	0.78
p-Chlorotoluene	ND		ug/kg	12	0.90
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	2.1
Hexachlorobutadiene	ND		ug/kg	12	1.1
Isopropylbenzene	ND		ug/kg	2.5	0.44
p-Isopropyltoluene	ND		ug/kg	2.5	0.68
Naphthalene	ND		ug/kg	12	1.9
Acrylonitrile	ND		ug/kg	25	0.94

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1215915
Report Date: 09/10/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/07/12 08:52
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG559643-3					
Isopropyl Ether	ND		ug/kg	10	1.0
tert-Butyl Alcohol	ND		ug/kg	150	3.1
n-Propylbenzene	ND		ug/kg	2.5	0.71
1,2,3-Trichlorobenzene	ND		ug/kg	12	1.0
1,2,4-Trichlorobenzene	ND		ug/kg	12	2.0
1,3,5-Trimethylbenzene	ND		ug/kg	12	1.5
1,2,4-Trimethylbenzene	ND		ug/kg	12	1.4
Methyl Acetate	ND		ug/kg	50	1.2
Ethyl Acetate	ND		ug/kg	50	50.
Acrolein	ND		ug/kg	62	7.5
Cyclohexane	ND		ug/kg	50	0.31
1,4-Dioxane	ND		ug/kg	250	44.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	50	0.99
1,4-Diethylbenzene	ND		ug/kg	10	0.50
4-Ethyltoluene	ND		ug/kg	10	0.24
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	0.45
Tetrahydrofuran	ND		ug/kg	50	2.8
Ethyl ether	ND		ug/kg	12	0.95
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.7
Methyl cyclohexane	ND		ug/kg	10	1.7
Ethyl-Tert-Butyl-Ether	ND		ug/kg	10	2.2
Tertiary-Amyl Methyl Ether	ND		ug/kg	10	2.5
Ethyl Alcohol	ND		ug/kg	2500	520

Project Name: 348 LANGNER RD SITE
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/07/12 08:52
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG559643-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	107		70-130

Project Name: 348 LANGNER RD SITE
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Lab Number: L1215915
Report Date: 09/10/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/10/12 10:38
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG559742-3					
Methylene chloride	ND		ug/kg	25	5.0
1,1-Dichloroethane	ND		ug/kg	3.8	0.74
Chloroform	ND		ug/kg	3.8	0.81
Carbon tetrachloride	ND		ug/kg	2.5	0.53
1,2-Dichloropropane	ND		ug/kg	8.8	0.64
Dibromochloromethane	ND		ug/kg	2.5	0.77
1,1,2-Trichloroethane	ND		ug/kg	3.8	0.98
Tetrachloroethene	ND		ug/kg	2.5	0.76
Chlorobenzene	ND		ug/kg	2.5	0.46
Trichlorofluoromethane	ND		ug/kg	12	0.98
1,2-Dichloroethane	ND		ug/kg	2.5	0.57
1,1,1-Trichloroethane	ND		ug/kg	2.5	0.67
Bromodichloromethane	ND		ug/kg	2.5	0.96
trans-1,3-Dichloropropene	ND		ug/kg	2.5	0.75
cis-1,3-Dichloropropene	ND		ug/kg	2.5	0.67
1,1-Dichloropropene	ND		ug/kg	12	1.1
Bromoform	ND		ug/kg	10	1.2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	0.60
Benzene	ND		ug/kg	2.5	0.74
Toluene	ND		ug/kg	3.8	0.60
Ethylbenzene	ND		ug/kg	2.5	0.55
Chloromethane	ND		ug/kg	12	2.0
Bromomethane	ND		ug/kg	5.0	1.6
Vinyl chloride	ND		ug/kg	5.0	1.9
Chloroethane	ND		ug/kg	5.0	1.1
1,1-Dichloroethene	ND		ug/kg	2.5	0.65
trans-1,2-Dichloroethene	ND		ug/kg	3.8	0.98
Trichloroethene	ND		ug/kg	2.5	0.56
1,2-Dichlorobenzene	ND		ug/kg	12	0.91
1,3-Dichlorobenzene	ND		ug/kg	12	1.0
1,4-Dichlorobenzene	ND		ug/kg	12	1.0

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1215915
Report Date: 09/10/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/10/12 10:38
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG559742-3					
Methyl tert butyl ether	ND		ug/kg	5.0	1.2
p/m-Xylene	ND		ug/kg	5.0	1.1
o-Xylene	ND		ug/kg	5.0	1.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5	0.75
Dibromomethane	ND		ug/kg	25	1.1
Styrene	ND		ug/kg	5.0	1.8
Dichlorodifluoromethane	ND		ug/kg	25	0.97
Acetone	ND		ug/kg	25	8.1
Carbon disulfide	ND		ug/kg	25	0.94
2-Butanone	ND		ug/kg	25	9.7
Vinyl acetate	ND		ug/kg	25	1.9
4-Methyl-2-pentanone	ND		ug/kg	25	2.0
1,2,3-Trichloropropane	ND		ug/kg	25	0.97
2-Hexanone	ND		ug/kg	25	0.99
Bromochloromethane	ND		ug/kg	12	0.76
2,2-Dichloropropane	ND		ug/kg	12	2.0
1,2-Dibromoethane	ND		ug/kg	10	1.0
1,3-Dichloropropane	ND		ug/kg	12	1.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	0.82
Bromobenzene	ND		ug/kg	12	0.55
n-Butylbenzene	ND		ug/kg	2.5	0.79
sec-Butylbenzene	ND		ug/kg	2.5	0.69
tert-Butylbenzene	ND		ug/kg	12	1.5
o-Chlorotoluene	ND		ug/kg	12	0.78
p-Chlorotoluene	ND		ug/kg	12	0.90
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	2.1
Hexachlorobutadiene	ND		ug/kg	12	1.1
Isopropylbenzene	ND		ug/kg	2.5	0.44
p-Isopropyltoluene	ND		ug/kg	2.5	0.68
Naphthalene	ND		ug/kg	12	1.9
Acrylonitrile	ND		ug/kg	25	0.94

Project Name: 348 LANGNER RD SITE
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Lab Number: L1215915
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/10/12 10:38
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG559742-3					
Isopropyl Ether	ND		ug/kg	10	1.0
tert-Butyl Alcohol	ND		ug/kg	150	3.1
n-Propylbenzene	ND		ug/kg	2.5	0.71
1,2,3-Trichlorobenzene	ND		ug/kg	12	1.0
1,2,4-Trichlorobenzene	ND		ug/kg	12	2.0
1,3,5-Trimethylbenzene	ND		ug/kg	12	1.5
1,2,4-Trimethylbenzene	ND		ug/kg	12	1.4
Methyl Acetate	ND		ug/kg	50	1.2
Ethyl Acetate	ND		ug/kg	50	50.
Acrolein	ND		ug/kg	62	7.5
Cyclohexane	ND		ug/kg	50	0.31
1,4-Dioxane	ND		ug/kg	250	44.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	50	0.99
1,4-Diethylbenzene	ND		ug/kg	10	0.50
4-Ethyltoluene	ND		ug/kg	10	0.24
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	0.45
Tetrahydrofuran	ND		ug/kg	50	2.8
Ethyl ether	ND		ug/kg	12	0.95
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.7
Methyl cyclohexane	ND		ug/kg	10	1.7
Ethyl-Tert-Butyl-Ether	ND		ug/kg	10	2.2
Tertiary-Amyl Methyl Ether	ND		ug/kg	10	2.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-102

Lab Number: L1215915

Report Date: 09/10/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG559643-1 WG559643-2								
Methylene chloride	92		90		70-130	2		30
1,1-Dichloroethane	102		100		70-130	2		30
Chloroform	104		100		70-130	4		30
Carbon tetrachloride	109		99		70-130	10		30
1,2-Dichloropropane	98		100		70-130	2		30
Dibromochloromethane	84		92		70-130	9		30
1,1,2-Trichloroethane	89		98		70-130	10		30
Tetrachloroethene	81		86		70-130	6		30
Chlorobenzene	86		86		70-130	0		30
Trichlorofluoromethane	97		85		70-139	13		30
1,2-Dichloroethane	115		105		70-130	9		30
1,1,1-Trichloroethane	108		98		70-130	10		30
Bromodichloromethane	105		95		70-130	10		30
trans-1,3-Dichloropropene	92		98		70-130	6		30
cis-1,3-Dichloropropene	104		104		70-130	0		30
1,1-Dichloropropene	105		99		70-130	6		30
Bromoform	76		80		70-130	5		30
1,1,2,2-Tetrachloroethane	81		84		70-130	4		30
Benzene	98		98		70-130	0		30
Toluene	79		86		70-130	8		30
Ethylbenzene	87		86		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-102

Lab Number: L1215915

Report Date: 09/10/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG559643-1 WG559643-2								
Chloromethane	88		79		52-130	11		30
Bromomethane	83		82		57-147	1		30
Vinyl chloride	68		**63**	Q	67-130	8		30
Chloroethane	84		80		50-151	5		30
1,1-Dichloroethene	94		90		65-135	4		30
trans-1,2-Dichloroethene	96		93		70-130	3		30
Trichloroethene	100		95		70-130	5		30
1,2-Dichlorobenzene	78		79		70-130	1		30
1,3-Dichlorobenzene	78		79		70-130	1		30
1,4-Dichlorobenzene	79		79		70-130	0		30
Methyl tert butyl ether	105		105		66-130	0		30
p/m-Xylene	86		85		70-130	1		30
o-Xylene	88		87		70-130	1		30
cis-1,2-Dichloroethene	95		99		70-130	4		30
Dibromomethane	106		102		70-130	4		30
Styrene	87		88		70-130	1		30
Dichlorodifluoromethane	116		99		30-146	16		30
Acetone	98		101		54-140	3		30
Carbon disulfide	97		91		59-130	6		30
2-Butanone	105		107		70-130	2		30
Vinyl acetate	106		114		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-102

Lab Number: L1215915

Report Date: 09/10/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG559643-1 WG559643-2								
4-Methyl-2-pentanone	95		101		70-130	6		30
1,2,3-Trichloropropane	80		86		68-130	7		30
2-Hexanone	91		96		70-130	5		30
Bromochloromethane	100		103		70-130	3		30
2,2-Dichloropropane	114		103		70-130	10		30
1,2-Dibromoethane	85		89		70-130	5		30
1,3-Dichloropropane	89		97		69-130	9		30
1,1,1,2-Tetrachloroethane	86		87		70-130	1		30
Bromobenzene	78		78		70-130	0		30
n-Butylbenzene	82		80		70-130	2		30
sec-Butylbenzene	80		78		70-130	3		30
tert-Butylbenzene	79		77		70-130	3		30
o-Chlorotoluene	81		80		70-130	1		30
p-Chlorotoluene	81		80		70-130	1		30
1,2-Dibromo-3-chloropropane	84		86		68-130	2		30
Hexachlorobutadiene	73		71		67-130	3		30
Isopropylbenzene	80		78		70-130	3		30
p-Isopropyltoluene	79		78		70-130	1		30
Naphthalene	80		83		70-130	4		30
Acrylonitrile	88		100		70-130	13		30
Isopropyl Ether	98		103		66-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-102

Lab Number: L1215915

Report Date: 09/10/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG559643-1 WG559643-2								
tert-Butyl Alcohol	86		87		70-130	1		30
n-Propylbenzene	82		79		70-130	4		30
1,2,3-Trichlorobenzene	79		81		70-130	3		30
1,2,4-Trichlorobenzene	76		76		70-130	0		30
1,3,5-Trimethylbenzene	80		78		70-130	3		30
1,2,4-Trimethylbenzene	80		78		70-130	3		30
Methyl Acetate	94		105		70-130	11		30
Ethyl Acetate	99		110		70-130	11		30
Acrolein	81		90		70-130	11		30
Cyclohexane	102		104		70-130	2		30
1,4-Dioxane	102		109		65-136	7		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	107		99		70-130	8		30
1,4-Diethylbenzene	80		78		70-130	3		30
4-Ethyltoluene	80		78		70-130	3		30
1,2,4,5-Tetramethylbenzene	78		78		70-130	0		30
Tetrahydrofuran	106		113		66-130	6		30
Ethyl ether	84		83		67-130	1		30
trans-1,4-Dichloro-2-butene	89		93		70-130	4		30
Methyl cyclohexane	108		102		70-130	6		30
Ethyl-Tert-Butyl-Ether	103		108		70-130	5		30
Tertiary-Amyl Methyl Ether	106		106		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102

Lab Number: L1215915
Report Date: 09/10/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG559643-1 WG559643-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	118		104		70-130
Toluene-d8	90		97		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	109		106		70-130

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG559742-1 WG559742-2								
Methylene chloride	102		99		70-130	3		30
1,1-Dichloroethane	103		104		70-130	1		30
Chloroform	110		109		70-130	1		30
Carbon tetrachloride	97		99		70-130	2		30
1,2-Dichloropropane	114		113		70-130	1		30
Dibromochloromethane	108		107		70-130	1		30
1,1,2-Trichloroethane	113		112		70-130	1		30
Tetrachloroethene	94		96		70-130	2		30
Chlorobenzene	105		104		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-102

Lab Number: L1215915

Report Date: 09/10/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG559742-1 WG559742-2								
Trichlorofluoromethane	89		91		70-139	2		30
1,2-Dichloroethane	114		112		70-130	2		30
1,1,1-Trichloroethane	99		99		70-130	0		30
Bromodichloromethane	115		114		70-130	1		30
trans-1,3-Dichloropropene	109		109		70-130	0		30
cis-1,3-Dichloropropene	118		117		70-130	1		30
1,1-Dichloropropene	96		99		70-130	3		30
Bromoform	104		101		70-130	3		30
1,1,2,2-Tetrachloroethane	112		109		70-130	3		30
Benzene	104		104		70-130	0		30
Toluene	98		100		70-130	2		30
Ethylbenzene	104		106		70-130	2		30
Chloromethane	94		93		52-130	1		30
Bromomethane	100		101		57-147	1		30
Vinyl chloride	88		91		67-130	3		30
Chloroethane	97		98		50-151	1		30
1,1-Dichloroethene	87		90		65-135	3		30
trans-1,2-Dichloroethene	94		96		70-130	2		30
Trichloroethene	105		105		70-130	0		30
1,2-Dichlorobenzene	104		104		70-130	0		30
1,3-Dichlorobenzene	105		104		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-102

Lab Number: L1215915

Report Date: 09/10/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG559742-1 WG559742-2								
1,4-Dichlorobenzene	104		102		70-130	2		30
Methyl tert butyl ether	106		104		66-130	2		30
p/m-Xylene	105		106		70-130	1		30
o-Xylene	108		110		70-130	2		30
cis-1,2-Dichloroethene	105		105		70-130	0		30
Dibromomethane	115		114		70-130	1		30
Styrene	113		112		70-130	1		30
Dichlorodifluoromethane	92		95		30-146	3		30
Acetone	124		126		54-140	2		30
Carbon disulfide	86		88		59-130	2		30
2-Butanone	125		118		70-130	6		30
Vinyl acetate	122		119		70-130	2		30
4-Methyl-2-pentanone	120		120		70-130	0		30
1,2,3-Trichloropropane	99		99		68-130	0		30
2-Hexanone	121		119		70-130	2		30
Bromochloromethane	112		108		70-130	4		30
2,2-Dichloropropane	101		102		70-130	1		30
1,2-Dibromoethane	108		106		70-130	2		30
1,3-Dichloropropane	110		108		69-130	2		30
1,1,1,2-Tetrachloroethane	107		106		70-130	1		30
Bromobenzene	101		100		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-102

Lab Number: L1215915

Report Date: 09/10/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG559742-1 WG559742-2								
n-Butylbenzene	101		102		70-130	1		30
sec-Butylbenzene	99		100		70-130	1		30
tert-Butylbenzene	100		100		70-130	0		30
o-Chlorotoluene	105		104		70-130	1		30
p-Chlorotoluene	105		104		70-130	1		30
1,2-Dibromo-3-chloropropane	112		115		68-130	3		30
Hexachlorobutadiene	87		88		67-130	1		30
Isopropylbenzene	101		101		70-130	0		30
p-Isopropyltoluene	101		102		70-130	1		30
Naphthalene	106		103		70-130	3		30
Acrylonitrile	127		123		70-130	3		30
Isopropyl Ether	121		119		66-130	2		30
tert-Butyl Alcohol	118		115		70-130	3		30
n-Propylbenzene	102		102		70-130	0		30
1,2,3-Trichlorobenzene	102		101		70-130	1		30
1,2,4-Trichlorobenzene	102		98		70-130	4		30
1,3,5-Trimethylbenzene	103		104		70-130	1		30
1,2,4-Trimethylbenzene	105		105		70-130	0		30
Methyl Acetate	113		111		70-130	2		30
Ethyl Acetate	124		121		70-130	2		30
Acrolein	89		86		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-102

Lab Number: L1215915

Report Date: 09/10/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG559742-1 WG559742-2								
Cyclohexane	103		104		70-130	1		30
1,4-Dioxane	129		127		65-136	2		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	99		103		70-130	4		30
1,4-Diethylbenzene	101		102		70-130	1		30
4-Ethyltoluene	103		104		70-130	1		30
1,2,4,5-Tetramethylbenzene	104		104		70-130	0		30
Tetrahydrofuran	127		125		66-130	2		30
Ethyl ether	101		101		67-130	0		30
trans-1,4-Dichloro-2-butene	118		116		70-130	2		30
Methyl cyclohexane	96		100		70-130	4		30
Ethyl-Tert-Butyl-Ether	118		115		70-130	3		30
Tertiary-Amyl Methyl Ether	117		115		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		98		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	99		99		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1215915
Report Date: 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-01
Client ID: BOTTOM 3 UST AREA 2
Sample Location: 348 LANGNER RD.
Matrix: Soil
Date Collected: 09/06/12 10:30
Date Received: 09/07/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91		%	0.10	NA	1	-	09/07/12 01:40	30,2540G	RD

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1215915
Report Date: 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-02
Client ID: UST AREA 2 BOTTOM 4
Sample Location: 348 LANGNER RD.
Matrix: Soil
Date Collected: 09/06/12 12:30
Date Received: 09/07/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85		%	0.10	NA	1	-	09/07/12 01:40	30,2540G	RD

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1215915
Report Date: 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-03
Client ID: UST AREA 2 BOTTOM 5
Sample Location: 348 LANGNER RD.
Matrix: Soil
Date Collected: 09/06/12 13:30
Date Received: 09/07/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	09/07/12 01:40	30,2540G	RD

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1215915
Report Date: 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-04
Client ID: UST AREA 2 BOTTOM 6
Sample Location: 348 LANGNER RD.
Matrix: Soil
Date Collected: 09/06/12 14:30
Date Received: 09/07/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	09/07/12 01:40	30,2540G	RD

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1215915
Report Date: 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-05
Client ID: UST AREA 2 EAST WALL 3
Sample Location: 348 LANGNER RD.
Matrix: Soil
Date Collected: 09/06/12 15:10
Date Received: 09/07/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82		%	0.10	NA	1	-	09/07/12 01:40	30,2540G	RD

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1215915
Report Date: 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-06
Client ID: UST AREA 2 WEST WALL 2
Sample Location: 348 LANGNER RD.
Matrix: Soil
Date Collected: 09/06/12 14:40
Date Received: 09/07/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76		%	0.10	NA	1	-	09/07/12 01:40	30,2540G	RD

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1215915
Report Date: 09/10/12

SAMPLE RESULTS

Lab ID: L1215915-07
Client ID: UST AREA 2 WEST WALL 3
Sample Location: 348 LANGNER RD.
Matrix: Soil
Date Collected: 09/06/12 14:50
Date Received: 09/07/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81		%	0.10	NA	1	-	09/07/12 01:40	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102

Lab Number: L1215915
Report Date: 09/10/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG559249-1 QC Sample: L1215915-01 Client ID: BOTTOM 3 UST AREA 2						
Solids, Total	91.	90	%	1		20

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102

Lab Number: L1215915
Report Date: 09/10/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1215915-01A	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1215915-01X	Plastic 2oz unpreserved for TS s	A	N/A	2.9	Y	Absent	TS(7)
L1215915-02A	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1215915-02X	Plastic 2oz unpreserved for TS s	A	N/A	2.9	Y	Absent	TS(7)
L1215915-03A	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1215915-03X	Plastic 2oz unpreserved for TS s	A	N/A	2.9	Y	Absent	TS(7)
L1215915-04A	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1215915-04X	Plastic 2oz unpreserved for TS s	A	N/A	2.9	Y	Absent	TS(7)
L1215915-05A	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1215915-05X	Plastic 2oz unpreserved for TS s	A	N/A	2.9	Y	Absent	TS(7)
L1215915-06A	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1215915-06X	Plastic 2oz unpreserved for TS s	A	N/A	2.9	Y	Absent	TS(7)
L1215915-07A	Amber 120ml unpreserved	A	N/A	2.9	Y	Absent	NYTCL-8260(14)
L1215915-07X	Plastic 2oz unpreserved for TS s	A	N/A	2.9	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1215915
Project Number:	0123-005-102	**Report Date:**	09/10/12

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1215915
Project Number:	0123-005-102	**Report Date:**	09/10/12

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1215915
Project Number:	0123-005-102	**Report Date:**	09/10/12

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 16, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8082, 8330, 8151A, 8260B, 8270C, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9030B, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7

for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010B, 6010C, 6020, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9030B, 9040B, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082, 8082A, 8081A, 8081B, 8151A, 8330, 8270C-SIM, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 6010C, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050, 9065,1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082, 8082A, 8081A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, 2540G, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012A, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C, 3546, 3580, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7471A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 245.2, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 3501., 350.2, 353.2, 420.1, 6010B, 6010C, 6020, 6020A, 7196A, 7470A, 9010B, 9030B, 9040B, Lachat 10-107-06-2-D, NJ-EPH, 2120B, 2310B, 2320B, 2340B, 2510C, 2540B, 2540C, 3500Cr-D, 436C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330, 8015B,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010B, 6010C, 6020A, 7196A, 7471A, 7471B, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 2..08, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5035, 3540C, 3546, 3550, 3580, 3630C, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/7/12

ALPHA Job #: L1215915

Client Information

Client: Turnkey
Address: 2558 Hamburg Turnpike Buffalo NY 14218
Phone: (716) 856-0599
Fax: (716) 856-0583
Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 348 Langner Rd Site
Project Location: 348 Langner Rd
Project #: 0123-005-102
Project Manager: Mike Lesakowski
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH *(only confirmed if pre-approved!)*
Date Due: 9/10/12 2 Day Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
CAT-B	

Other Project Specific Requirements/Comments/Detection Limits:

CAT-B

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: TCL VOC + Stars	Sample Specific Comments	TOTAL # BOTTLES
15915-1	ust area 2 Bottom 3	9-6-12	1030	Soil	PWW	X		
2	ust area 2 Bottom 4	↓	1230	↓	↓	X		
3	ust area 2 Bottom 5	↓	1330	↓	↓	X		
4	ust area 2 Bottom 6	↓	1430	↓	↓	X		
5	ust area 2 eastwall 3	↓	1510	↓	↓	X		
6	ust area 2 westwall 2	↓	1440	↓	↓	X		
7	ust area 2 westwall 3	↓	1450	↓	↓	X		

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	9-6-12 1630	[signature]	9-6-12/1630
[signature]	9-6-12/1950	[signature]	9-6-12/1950
[signature]	9/7/12 0033		9/7/12 0033

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1215914
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	348 LANGNER RD SITE
Project Number:	0123-005-102
Report Date:	09/10/12

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102

Lab Number: L1215914
Report Date: 09/10/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1215914-01	UST AREA 2 NORTH WALL 1	348 LANGNER RD	09/05/12 10:15
L1215914-02	UST AREA 2 WEST WALL 2	348 LANGNER RD	09/05/12 14:40

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102

Lab Number: L1215914
Report Date: 09/10/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1215914
Project Number:	0123-005-102	**Report Date:**	09/10/12

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Pesticides

L1215914-01 has elevated detection limits due to the dilution required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 09/10/12

ORGANICS

PESTICIDES

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215914

Project Number: 0123-005-102 **Report Date:** 09/10/12

SAMPLE RESULTS

Lab ID:	L1215914-01 D	Date Collected:	09/05/12 10:15
Client ID:	UST AREA 2 NORTH WALL 1	Date Received:	09/06/12
Sample Location:	348 LANGNER RD	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/07/12 01:45
Analytical Date:	09/07/12 09:54	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	09/07/12
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	9.64	1.89	5
Lindane	ND		ug/kg	4.02	1.80	5
Alpha-BHC	ND		ug/kg	4.02	1.14	5
Beta-BHC	ND		ug/kg	9.64	3.66	5
Heptachlor	ND		ug/kg	4.82	2.16	5
Aldrin	ND		ug/kg	9.64	3.40	5
Heptachlor epoxide	ND		ug/kg	18.1	5.42	5
Endrin	ND		ug/kg	4.02	1.65	5
Endrin ketone	ND		ug/kg	9.64	2.48	5
Dieldrin	ND		ug/kg	6.03	3.01	5
4,4'-DDE	ND		ug/kg	9.64	2.23	5
4,4'-DDD	ND		ug/kg	9.64	3.44	5
4,4'-DDT	ND		ug/kg	18.1	7.76	5
Endosulfan I	ND		ug/kg	9.64	2.28	5
Endosulfan II	ND		ug/kg	9.64	3.22	5
Endosulfan sulfate	ND		ug/kg	4.02	1.84	5
Methoxychlor	ND		ug/kg	18.1	5.62	5
Toxaphene	ND		ug/kg	181	50.6	5
trans-Chlordane	ND		ug/kg	12.0	3.18	5
Chlordane	ND		ug/kg	78.4	31.9	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215914

Project Number: 0123-005-102 **Report Date:** 09/10/12

SAMPLE RESULTS

Lab ID:	L1215914-02	Date Collected:	09/05/12 14:40
Client ID:	UST AREA 2 WEST WALL 2	Date Received:	09/06/12
Sample Location:	348 LANGNER RD	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	09/07/12 20:41
Analytical Date:	09/10/12 08:44	Cleanup Method1:	EPA 3620B
Analyst:	BW	Cleanup Date1:	09/08/12
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.99	0.390	1
Lindane	ND		ug/kg	0.829	0.371	1
Alpha-BHC	ND		ug/kg	0.829	0.236	1
Beta-BHC	ND		ug/kg	1.99	0.755	1
Heptachlor	ND		ug/kg	0.995	0.446	1
Aldrin	ND		ug/kg	1.99	0.701	1
Heptachlor epoxide	ND		ug/kg	3.73	1.12	1
Endrin	ND		ug/kg	0.829	0.340	1
Endrin ketone	ND		ug/kg	1.99	0.512	1
Dieldrin	ND		ug/kg	1.24	0.622	1
4,4'-DDE	ND		ug/kg	1.99	0.460	1
4,4'-DDD	ND		ug/kg	1.99	0.710	1
4,4'-DDT	ND		ug/kg	3.73	1.60	1
Endosulfan I	ND		ug/kg	1.99	0.470	1
Endosulfan II	ND		ug/kg	1.99	0.665	1
Endosulfan sulfate	ND		ug/kg	0.829	0.379	1
Methoxychlor	ND		ug/kg	3.73	1.16	1
Toxaphene	ND		ug/kg	37.3	10.4	1
trans-Chlordane	ND		ug/kg	2.49	0.657	1
Chlordane	ND		ug/kg	16.2	6.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1215914
Report Date: 09/10/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/07/12 09:03
Analyst: BW

Extraction Method: EPA 3546
Extraction Date: 09/07/12 01:45
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/07/12

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG559232-1					
Delta-BHC	ND		ug/kg	1.60	0.313
Lindane	ND		ug/kg	0.666	0.298
Alpha-BHC	ND		ug/kg	0.666	0.189
Beta-BHC	ND		ug/kg	1.60	0.606
Heptachlor	ND		ug/kg	0.799	0.358
Aldrin	ND		ug/kg	1.60	0.562
Heptachlor epoxide	ND		ug/kg	3.00	0.899
Endrin	ND		ug/kg	0.666	0.273
Endrin ketone	ND		ug/kg	1.60	0.411
Dieldrin	ND		ug/kg	0.999	0.499
4,4'-DDE	ND		ug/kg	1.60	0.370
4,4'-DDD	ND		ug/kg	1.60	0.570
4,4'-DDT	ND		ug/kg	3.00	1.28
Endosulfan I	ND		ug/kg	1.60	0.377
Endosulfan II	ND		ug/kg	1.60	0.534
Endosulfan sulfate	ND		ug/kg	0.666	0.304
Methoxychlor	ND		ug/kg	3.00	0.932
Toxaphene	ND		ug/kg	30.0	8.39
cis-Chlordane	ND		ug/kg	2.00	0.556
trans-Chlordane	ND		ug/kg	2.00	0.527
Chlordane	ND		ug/kg	13.0	5.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1215914
Report Date: 09/10/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/10/12 08:06
Analyst: BW

Extraction Method: EPA 3546
Extraction Date: 09/07/12 20:41
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/08/12

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02 Batch: WG559459-1					
Delta-BHC	ND		ug/kg	1.58	0.309
Lindane	ND		ug/kg	0.656	0.293
Alpha-BHC	ND		ug/kg	0.656	0.186
Beta-BHC	ND		ug/kg	1.58	0.598
Heptachlor	ND		ug/kg	0.788	0.353
Aldrin	ND		ug/kg	1.58	0.555
Heptachlor epoxide	ND		ug/kg	2.95	0.886
Endrin	ND		ug/kg	0.656	0.269
Endrin ketone	ND		ug/kg	1.58	0.406
Dieldrin	ND		ug/kg	0.985	0.492
4,4'-DDE	ND		ug/kg	1.58	0.364
4,4'-DDD	ND		ug/kg	1.58	0.562
4,4'-DDT	ND		ug/kg	2.95	1.27
Endosulfan I	ND		ug/kg	1.58	0.372
Endosulfan II	ND		ug/kg	1.58	0.526
Endosulfan sulfate	ND		ug/kg	0.656	0.300
Methoxychlor	ND		ug/kg	2.95	0.919
Toxaphene	ND		ug/kg	29.5	8.27
trans-Chlordane	ND		ug/kg	1.97	0.520
Chlordane	ND		ug/kg	12.8	5.22

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	84		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-102

Lab Number: L1215914

Report Date: 09/10/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG559232-2 WG559232-3								
Delta-BHC	78		78		30-150	0		30
Lindane	84		82		30-150	2		30
Alpha-BHC	85		82		30-150	4		30
Beta-BHC	85		82		30-150	4		30
Heptachlor	88		86		30-150	2		30
Aldrin	96		92		30-150	4		30
Heptachlor epoxide	92		89		30-150	3		30
Endrin	113		112		30-150	1		30
Endrin ketone	80		81		30-150	1		30
Dieldrin	103		101		30-150	2		30
4,4'-DDE	107		99		30-150	8		30
4,4'-DDD	98		96		30-150	2		30
4,4'-DDT	106		106		30-150	0		30
Endosulfan I	87		91		30-150	4		30
Endosulfan II	93		92		30-150	1		30
Endosulfan sulfate	98		98		30-150	0		30
Methoxychlor	111		111		30-150	0		30
cis-Chlordane	92		90		30-150	2		30
trans-Chlordane	94		92		30-150	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-102

Lab Number: L1215914

Report Date: 09/10/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG559232-2 WG559232-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		80		30-150	A
Decachlorobiphenyl	49		46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		68		30-150	B
Decachlorobiphenyl	93		85		30-150	B

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG559459-2 WG559459-3								
Delta-BHC	92		93		30-150	1		30
Lindane	97		101		30-150	4		30
Alpha-BHC	98		101		30-150	3		30
Beta-BHC	87		95		30-150	9		30
Heptachlor	102		105		30-150	3		30
Aldrin	111		115		30-150	4		30
Heptachlor epoxide	108		114		30-150	5		30
Endrin	127		137		30-150	8		30
Endrin ketone	92		102		30-150	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-102

Lab Number: L1215914

Report Date: 09/10/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG559459-2 WG559459-3								
Dieldrin	116		126		30-150	8		30
4,4'-DDE	113		122		30-150	8		30
4,4'-DDD	109		118		30-150	8		30
4,4'-DDT	116		128		30-150	10		30
Endosulfan I	108		115		30-150	6		30
Endosulfan II	106		115		30-150	8		30
Endosulfan sulfate	112		122		30-150	9		30
Methoxychlor	121		133		30-150	9		30
trans-Chlordane	109		115		30-150	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		97		30-150	A
Decachlorobiphenyl	61		61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		76		30-150	B
Decachlorobiphenyl	85		97		30-150	B

INORGANICS
&
MISCELLANEOUS

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1215914
Report Date: 09/10/12

SAMPLE RESULTS

Lab ID: L1215914-01
Client ID: UST AREA 2 NORTH WALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil
Date Collected: 09/05/12 10:15
Date Received: 09/06/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79		%	0.10	NA	1	-	09/07/12 01:40	30,2540G	RD

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1215914
Report Date: 09/10/12

SAMPLE RESULTS

Lab ID: L1215914-02
Client ID: UST AREA 2 WEST WALL 2
Sample Location: 348 LANGNER RD
Matrix: Soil
Date Collected: 09/05/12 14:40
Date Received: 09/06/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78		%	0.10	NA	1	-	09/07/12 01:40	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102

Lab Number: L1215914
Report Date: 09/10/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG559249-1 QC Sample: L1215915-01 Client ID: DUP Sample						
Solids, Total	91.	90	%	1		20

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102

Lab Number: L1215914
Report Date: 09/10/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1215914-01A	Amber 120ml unpreserved	A	N/A		Y	Absent	NYTCL-8081(14)
L1215914-01B	Plastic 2oz unpreserved for TS s	A	N/A		Y	Absent	TS(7)
L1215914-02A	Amber 120ml unpreserved	A	N/A		Y	Absent	NYTCL-8081(14)
L1215914-02B	Plastic 2oz unpreserved for TS s	A	N/A		Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1215914
Project Number:	0123-005-102	**Report Date:**	09/10/12

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1215914
Project Number:	0123-005-102	**Report Date:**	09/10/12

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1215914
Project Number:	0123-005-102	**Report Date:**	09/10/12

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 16, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8082, 8330, 8151A, 8260B, 8270C, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9030B, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7

for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010B, 6010C, 6020, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9030B, 9040B, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082, 8082A, 8081A, 8081B, 8151A, 8330, 8270C-SIM, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 6010C, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050, 9065,1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082, 8082A, 8081A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, 2540G, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012A, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C, 3546, 3580, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7471A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 245.2, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 3501., 350.2, 353.2, 420.1, 6010B, 6010C, 6020, 6020A, 7196A, 7470A, 9010B, 9030B, 9040B, Lachat 10-107-06-2-D, NJ-EPH, 2120B, 2310B, 2320B, 2340B, 2510C, 2540B, 2540C, 3500Cr-D, 436C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330, 8015B,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010B, 6010C, 6020A, 7196A, 7471A, 7471B, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 2..08, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5035, 3540C, 3546, 3550, 3580, 3630C, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/7/12

ALPHA Job #: L1215914

Client Information

Client: Turnkey
Address: 2558 Hamburg Turnpike Buffalo NY 14218
Phone: (716)856-0599
Fax: (716) 856-0583
Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 348 Langner Rd Site
Project Location: 348 Langner Rd
Project #: 0123-005-102
Project Manager: Mike Lesakowski
ALPHA Quote #:

Turn-Around Time

☐ Standard ☑ RUSH (only confirmed if pre-approved!)
Date Due: 9/10/12 Time:
2 Day

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
CAT-B	

Other Project Specific Requirements/Comments/Detection Limits:

CAT-B

ANALYSIS: PCB

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID		Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCB	Sample Specific Comments	TOTAL # BOTTLES
15914.1	ust area 2	Northwall 1	9-5-12	1015	Soil	PW	X		
2	ust area 2	Westwall 2	9-6-12	1440	"	"	X		

Container Type	
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
Paul W Watt	9-6-12 1630	John D. Rucker	9-6-12/1630
John D. Rucker	9-6-12/1950	Kyle Cunningham	9-6-12/1950
Kyle Cunningham	9/7/12 0033		9/7/12 0033

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1215815
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	348 LANGNER RD SITE
Project Number:	0123-005-102
Report Date:	09/06/12

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102

Lab Number: L1215815
Report Date: 09/06/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1215815-01	UST AREA 2 NORTH WALL 1 (0-2)	348 LANGNER RD	09/05/12 16:00

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102

Lab Number: L1215815
Report Date: 09/06/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1215815
Project Number:	0123-005-102	**Report Date:**	09/06/12

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 09/06/12

ORGANICS

VOLATILES

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215815

Project Number: 0123-005-102 **Report Date:** 09/06/12

SAMPLE RESULTS

Lab ID:	L1215815-01	Date Collected:	09/05/12 16:00
Client ID:	UST AREA 2 NORTH WALL 1 (0-2)	Date Received:	09/05/12
Sample Location:	348 LANGNER RD	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/06/12 10:03		
Analyst:	BN		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	32	6.5	1
1,1-Dichloroethane	ND		ug/kg	4.9	0.96	1
Chloroform	ND		ug/kg	4.9	1.0	1
Carbon tetrachloride	ND		ug/kg	3.2	0.68	1
1,2-Dichloropropane	ND		ug/kg	11	0.83	1
Dibromochloromethane	ND		ug/kg	3.2	1.0	1
1,1,2-Trichloroethane	ND		ug/kg	4.9	1.3	1
Tetrachloroethene	ND		ug/kg	3.2	0.99	1
Chlorobenzene	ND		ug/kg	3.2	0.60	1
Trichlorofluoromethane	ND		ug/kg	16	1.3	1
1,2-Dichloroethane	ND		ug/kg	3.2	0.74	1
1,1,1-Trichloroethane	ND		ug/kg	3.2	0.88	1
Bromodichloromethane	ND		ug/kg	3.2	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.2	0.98	1
cis-1,3-Dichloropropene	ND		ug/kg	3.2	0.87	1
1,1-Dichloropropene	ND		ug/kg	16	1.5	1
Bromoform	ND		ug/kg	13	1.6	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.2	0.78	1
Benzene	3.1	J	ug/kg	3.2	0.96	1
Toluene	ND		ug/kg	4.9	0.78	1
Ethylbenzene	1.5	J	ug/kg	3.2	0.72	1
Chloromethane	ND		ug/kg	16	2.5	1
Bromomethane	ND		ug/kg	6.5	2.1	1
Vinyl chloride	ND		ug/kg	6.5	2.4	1
Chloroethane	ND		ug/kg	6.5	1.4	1
1,1-Dichloroethene	ND		ug/kg	3.2	0.84	1
trans-1,2-Dichloroethene	ND		ug/kg	4.9	1.3	1
Trichloroethene	ND		ug/kg	3.2	0.73	1
1,2-Dichlorobenzene	ND		ug/kg	16	1.2	1
1,3-Dichlorobenzene	ND		ug/kg	16	1.3	1
1,4-Dichlorobenzene	ND		ug/kg	16	1.4	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215815

Project Number: 0123-005-102 **Report Date:** 09/06/12

SAMPLE RESULTS

Lab ID: L1215815-01 Date Collected: 09/05/12 16:00

Client ID: UST AREA 2 NORTH WALL 1 (0-2) Date Received: 09/05/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.5	1.6	1
p/m-Xylene	ND		ug/kg	6.5	1.4	1
o-Xylene	ND		ug/kg	6.5	1.4	1
cis-1,2-Dichloroethene	ND		ug/kg	3.2	0.98	1
Dibromomethane	ND		ug/kg	32	1.4	1
Styrene	ND		ug/kg	6.5	2.4	1
Dichlorodifluoromethane	ND		ug/kg	32	1.3	1
Acetone	ND		ug/kg	32	10.	1
Carbon disulfide	ND		ug/kg	32	1.2	1
2-Butanone	ND		ug/kg	32	12.	1
Vinyl acetate	ND		ug/kg	32	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	32	2.6	1
1,2,3-Trichloropropane	ND		ug/kg	32	1.2	1
2-Hexanone	ND		ug/kg	32	1.3	1
Bromochloromethane	ND		ug/kg	16	0.98	1
2,2-Dichloropropane	ND		ug/kg	16	2.6	1
1,2-Dibromoethane	ND		ug/kg	13	1.3	1
1,3-Dichloropropane	ND		ug/kg	16	1.8	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.2	1.1	1
Bromobenzene	ND		ug/kg	16	0.71	1
n-Butylbenzene	ND		ug/kg	3.2	1.0	1
sec-Butylbenzene	ND		ug/kg	3.2	0.89	1
tert-Butylbenzene	ND		ug/kg	16	2.0	1
o-Chlorotoluene	ND		ug/kg	16	1.0	1
p-Chlorotoluene	ND		ug/kg	16	1.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	16	2.7	1
Hexachlorobutadiene	ND		ug/kg	16	1.5	1
Isopropylbenzene	ND		ug/kg	3.2	0.57	1
p-Isopropyltoluene	ND		ug/kg	3.2	0.89	1
Naphthalene	ND		ug/kg	16	2.5	1
Acrylonitrile	ND		ug/kg	32	1.2	1
n-Propylbenzene	ND		ug/kg	3.2	0.92	1
1,2,3-Trichlorobenzene	ND		ug/kg	16	1.3	1
1,2,4-Trichlorobenzene	ND		ug/kg	16	2.6	1
1,3,5-Trimethylbenzene	ND		ug/kg	16	2.0	1
1,2,4-Trimethylbenzene	ND		ug/kg	16	1.9	1
1,4-Dioxane	ND		ug/kg	320	56.	1
1,4-Diethylbenzene	ND		ug/kg	13	0.65	1
4-Ethyltoluene	ND		ug/kg	13	0.31	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1215815

Project Number: 0123-005-102 **Report Date:** 09/06/12

SAMPLE RESULTS

Lab ID: L1215815-01 Date Collected: 09/05/12 16:00

Client ID: UST AREA 2 NORTH WALL 1 (0-2) Date Received: 09/05/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	13	0.59	1
Ethyl ether	ND		ug/kg	16	1.2	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	16	4.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	100		70-130

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1215815
Report Date: 09/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/06/12 08:20
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG559074-3					
Methylene chloride	ND		ug/kg	25	5.0
1,1-Dichloroethane	ND		ug/kg	3.8	0.74
Chloroform	ND		ug/kg	3.8	0.81
Carbon tetrachloride	ND		ug/kg	2.5	0.53
1,2-Dichloropropane	ND		ug/kg	8.8	0.64
Dibromochloromethane	ND		ug/kg	2.5	0.77
1,1,2-Trichloroethane	ND		ug/kg	3.8	0.98
Tetrachloroethene	ND		ug/kg	2.5	0.76
Chlorobenzene	ND		ug/kg	2.5	0.46
Trichlorofluoromethane	ND		ug/kg	12	0.98
1,2-Dichloroethane	ND		ug/kg	2.5	0.57
1,1,1-Trichloroethane	ND		ug/kg	2.5	0.67
Bromodichloromethane	ND		ug/kg	2.5	0.96
trans-1,3-Dichloropropene	ND		ug/kg	2.5	0.75
cis-1,3-Dichloropropene	ND		ug/kg	2.5	0.67
1,1-Dichloropropene	ND		ug/kg	12	1.1
Bromoform	ND		ug/kg	10	1.2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	0.60
Benzene	ND		ug/kg	2.5	0.74
Toluene	0.66	J	ug/kg	3.8	0.60
Ethylbenzene	ND		ug/kg	2.5	0.55
Chloromethane	ND		ug/kg	12	2.0
Bromomethane	ND		ug/kg	5.0	1.6
Vinyl chloride	ND		ug/kg	5.0	1.9
Chloroethane	ND		ug/kg	5.0	1.1
1,1-Dichloroethene	ND		ug/kg	2.5	0.65
trans-1,2-Dichloroethene	ND		ug/kg	3.8	0.98
Trichloroethene	ND		ug/kg	2.5	0.56
1,2-Dichlorobenzene	ND		ug/kg	12	0.91
1,3-Dichlorobenzene	ND		ug/kg	12	1.0
1,4-Dichlorobenzene	ND		ug/kg	12	1.0

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1215815
Report Date: 09/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/06/12 08:20
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG559074-3					
Methyl tert butyl ether	ND		ug/kg	5.0	1.2
p/m-Xylene	ND		ug/kg	5.0	1.1
o-Xylene	ND		ug/kg	5.0	1.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5	0.75
Dibromomethane	ND		ug/kg	25	1.1
Styrene	ND		ug/kg	5.0	1.8
Dichlorodifluoromethane	ND		ug/kg	25	0.97
Acetone	ND		ug/kg	25	8.1
Carbon disulfide	ND		ug/kg	25	0.94
2-Butanone	ND		ug/kg	25	9.7
Vinyl acetate	ND		ug/kg	25	1.9
4-Methyl-2-pentanone	ND		ug/kg	25	2.0
1,2,3-Trichloropropane	ND		ug/kg	25	0.97
2-Hexanone	ND		ug/kg	25	0.99
Bromochloromethane	ND		ug/kg	12	0.76
2,2-Dichloropropane	ND		ug/kg	12	2.0
1,2-Dibromoethane	ND		ug/kg	10	1.0
1,3-Dichloropropane	ND		ug/kg	12	1.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	0.82
Bromobenzene	ND		ug/kg	12	0.55
n-Butylbenzene	ND		ug/kg	2.5	0.79
sec-Butylbenzene	ND		ug/kg	2.5	0.69
tert-Butylbenzene	ND		ug/kg	12	1.5
o-Chlorotoluene	ND		ug/kg	12	0.78
p-Chlorotoluene	ND		ug/kg	12	0.90
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	2.1
Hexachlorobutadiene	ND		ug/kg	12	1.1
Isopropylbenzene	ND		ug/kg	2.5	0.44
p-Isopropyltoluene	ND		ug/kg	2.5	0.68
Naphthalene	ND		ug/kg	12	1.9
Acrylonitrile	ND		ug/kg	25	0.94

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1215815
Report Date: 09/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/06/12 08:20
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG559074-3					
Isopropyl Ether	ND		ug/kg	10	1.0
tert-Butyl Alcohol	ND		ug/kg	150	3.1
n-Propylbenzene	ND		ug/kg	2.5	0.71
1,2,3-Trichlorobenzene	ND		ug/kg	12	1.0
1,2,4-Trichlorobenzene	ND		ug/kg	12	2.0
1,3,5-Trimethylbenzene	ND		ug/kg	12	1.5
1,2,4-Trimethylbenzene	ND		ug/kg	12	1.4
Methyl Acetate	ND		ug/kg	50	1.2
Ethyl Acetate	ND		ug/kg	50	50.
Acrolein	ND		ug/kg	62	7.5
Cyclohexane	ND		ug/kg	50	0.31
1,4-Dioxane	ND		ug/kg	250	44.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	50	0.99
1,4-Diethylbenzene	ND		ug/kg	10	0.50
4-Ethyltoluene	ND		ug/kg	10	0.24
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	0.45
Tetrahydrofuran	ND		ug/kg	50	2.8
Ethyl ether	ND		ug/kg	12	0.95
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.7
Methyl cyclohexane	ND		ug/kg	10	1.7
Ethyl-Tert-Butyl-Ether	ND		ug/kg	10	2.2
Tertiary-Amyl Methyl Ether	ND		ug/kg	10	2.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-102

Lab Number: L1215815

Report Date: 09/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG559074-1 WG559074-2								
Methylene chloride	79		80		70-130	1		30
1,1-Dichloroethane	89		89		70-130	0		30
Chloroform	99		100		70-130	1		30
Carbon tetrachloride	125		126		70-130	1		30
1,2-Dichloropropane	82		79		70-130	4		30
Dibromochloromethane	110		108		70-130	2		30
1,1,2-Trichloroethane	92		92		70-130	0		30
Tetrachloroethene	106		110		70-130	4		30
Chlorobenzene	93		94		70-130	1		30
Trichlorofluoromethane	104		108		70-139	4		30
1,2-Dichloroethane	108		108		70-130	0		30
1,1,1-Trichloroethane	100		101		70-130	1		30
Bromodichloromethane	102		101		70-130	1		30
trans-1,3-Dichloropropene	84		82		70-130	2		30
cis-1,3-Dichloropropene	86		87		70-130	1		30
1,1-Dichloropropene	94		96		70-130	2		30
Bromoform	104		100		70-130	4		30
1,1,2,2-Tetrachloroethane	82		79		70-130	4		30
Benzene	87		88		70-130	1		30
Toluene	90		90		70-130	0		30
Ethylbenzene	94		94		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-102

Lab Number: L1215815

Report Date: 09/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG559074-1 WG559074-2								
Chloromethane	82		85		52-130	4		30
Bromomethane	88		82		57-147	7		30
Vinyl chloride	97		102		67-130	5		30
Chloroethane	85		88		50-151	3		30
1,1-Dichloroethene	86		91		65-135	6		30
trans-1,2-Dichloroethene	92		92		70-130	0		30
Trichloroethene	97		97		70-130	0		30
1,2-Dichlorobenzene	92		91		70-130	1		30
1,3-Dichlorobenzene	92		93		70-130	1		30
1,4-Dichlorobenzene	92		92		70-130	0		30
Methyl tert butyl ether	83		78		66-130	6		30
p/m-Xylene	93		94		70-130	1		30
o-Xylene	93		93		70-130	0		30
cis-1,2-Dichloroethene	92		92		70-130	0		30
Dibromomethane	99		99		70-130	0		30
Styrene	93		93		70-130	0		30
Dichlorodifluoromethane	77		84		30-146	9		30
Acetone	96		83		54-140	15		30
Carbon disulfide	74		75		59-130	1		30
2-Butanone	93		84		70-130	10		30
Vinyl acetate	86		84		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-102

Lab Number: L1215815

Report Date: 09/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG559074-1 WG559074-2								
4-Methyl-2-pentanone	82		74		70-130	10		30
1,2,3-Trichloropropane	87		84		68-130	4		30
2-Hexanone	89		79		70-130	12		30
Bromochloromethane	90		92		70-130	2		30
2,2-Dichloropropane	90		85		70-130	6		30
1,2-Dibromoethane	107		112		70-130	5		30
1,3-Dichloropropane	93		93		69-130	0		30
1,1,1,2-Tetrachloroethane	107		108		70-130	1		30
Bromobenzene	94		93		70-130	1		30
n-Butylbenzene	95		97		70-130	2		30
sec-Butylbenzene	92		93		70-130	1		30
tert-Butylbenzene	95		96		70-130	1		30
o-Chlorotoluene	91		90		70-130	1		30
p-Chlorotoluene	89		89		70-130	0		30
1,2-Dibromo-3-chloropropane	88		85		68-130	3		30
Hexachlorobutadiene	105		110		67-130	5		30
Isopropylbenzene	97		99		70-130	2		30
p-Isopropyltoluene	95		96		70-130	1		30
Naphthalene	84		77		70-130	9		30
Acrylonitrile	84		75		70-130	11		30
Isopropyl Ether	79		75		66-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-102

Lab Number: L1215815

Report Date: 09/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG559074-1 WG559074-2								
tert-Butyl Alcohol	82		79		70-130	4		30
n-Propylbenzene	90		90		70-130	0		30
1,2,3-Trichlorobenzene	96		94		70-130	2		30
1,2,4-Trichlorobenzene	97		96		70-130	1		30
1,3,5-Trimethylbenzene	94		95		70-130	1		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	101		80		70-130	23		30
Ethyl Acetate	95		88		70-130	8		30
Acrolein	82		75		70-130	9		30
Cyclohexane	81		84		70-130	4		30
1,4-Dioxane	85		80		65-136	6		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	94		101		70-130	7		30
1,4-Diethylbenzene	99		101		70-130	2		30
4-Ethyltoluene	97		97		70-130	0		30
1,2,4,5-Tetramethylbenzene	93		92		70-130	1		30
Tetrahydrofuran	84		74		66-130	13		30
Ethyl ether	80		82		67-130	2		30
trans-1,4-Dichloro-2-butene	87		85		70-130	2		30
Methyl cyclohexane	88		90		70-130	2		30
Ethyl-Tert-Butyl-Ether	76		71		70-130	7		30
Tertiary-Amyl Methyl Ether	71		**67**	Q	70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-102

Lab Number: L1215815

Report Date: 09/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG559074-1 WG559074-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		130		70-130
Toluene-d8	89		95		70-130
4-Bromofluorobenzene	83		86		70-130
Dibromofluoromethane	103		111		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102
Lab Number: L1215815
Report Date: 09/06/12

SAMPLE RESULTS

Lab ID: L1215815-01
Client ID: UST AREA 2 NORTH WALL 1 (0-2)
Sample Location: 348 LANGNER RD
Matrix: Soil
Date Collected: 09/05/12 16:00
Date Received: 09/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77		%	0.10	NA	1	-	09/06/12 00:50	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102

Lab Number: L1215815
Report Date: 09/06/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG558983-1 QC Sample: L1215800-01 Client ID: DUP Sample						
Solids, Total	80.	79	%	1		20

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-102

Lab Number: L1215815
Report Date: 09/06/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1215815-01A	Vial Large unpreserved	A	N/A	3.2	Y	Absent	NYTCL-8260(14)
L1215815-01B	Plastic 2oz unpreserved for TS s	A	N/A	3.2	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1215815
Project Number:	0123-005-102	**Report Date:**	09/06/12

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1215815
Project Number:	0123-005-102	**Report Date:**	09/06/12

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1215815
Project Number:	0123-005-102	**Report Date:**	09/06/12

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 16, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8082, 8330, 8151A, 8260B, 8270C, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9030B, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7

for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010B, 6010C, 6020, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9030B, 9040B, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082, 8082A, 8081A, 8081B, 8151A, 8330, 8270C-SIM, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 6010C, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050, 9065,1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082, 8082A, 8081A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, 2540G, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012A, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C, 3546, 3580, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7471A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 245.2, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 3501., 350.2, 353.2, 420.1, 6010B, 6010C, 6020, 6020A, 7196A, 7470A, 9010B, 9030B, 9040B, Lachat 10-107-06-2-D, NJ-EPH, 2120B, 2310B, 2320B, 2340B, 2510C, 2540B, 2540C, 3500Cr-D, 436C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330, 8015B,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010B, 6010C, 6020A, 7196A, 7471A, 7471B, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 2..08, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5035, 3540C, 3546, 3550, 3580, 3630C, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9·5·12

ALPHA Job #: L1215875

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Turnkey
Address: 2558 Hamburg Turnpike
Buffalo NY 14210
Phone: (716) 856-0599
Fax: (716) 856-0583
Email:
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 348 Langner Rd Site
Project Location: 348 Langner Rd
Project #: 0123-005-102
Project Manager: Mike Lesakowski
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)
Date Due: 2 day Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
CAT-B	

Other Project Specific Requirements/Comments/Detection Limits:

CAT-B

ANALYSIS: TCL voc+stars

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL voc+stars	Sample Specific Comments	TOTAL # BOTTLES
15815-1	~~UST Area 2~~ UST area 2 Northwall 1 (0-2)	9-5-12	16⁰⁰	Soil	PWW	X		1

Container Type	
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	9-5-12 1610	[signature]	9-5-12/1610
[signature]	9-5-12/1850	[signature]	9-5-12/1850
[signature]	9-5-12/ 2333	[signature]	9-5-12 2333

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1215814
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	348 LANGNER RD.
Project Number:	0123-005-102
Report Date:	09/07/12

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 348 LANGNER RD.
Project Number: 0123-005-102

Lab Number: L1215814
Report Date: 09/07/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1215814-01	UST AREA 2 BOTTOM 1	348 LANGNER RD.	09/05/12 09:15
L1215814-02	UST AREA 2 BOTTOM 2	348 LANGNER RD.	09/05/12 09:30
L1215814-03	UST AREA 2 BLIND DUP	348 LANGNER RD.	09/05/12 08:00
L1215814-04	UST AREA 2 NORTH WALL 1	348 LANGNER RD.	09/05/12 10:15
L1215814-05	UST AREA 2 NORTH WALL 2	348 LANGNER RD.	09/05/12 10:00
L1215814-06	UST AREA 2 EAST WALL 1	348 LANGNER RD.	09/05/12 10:30
L1215814-07	UST AREA 2 EAST WALL 2	348 LANGNER RD.	09/05/12 11:00
L1215814-08	UST AREA 2 WEST WALL 1	348 LANGNER RD.	09/05/12 15:00

Project Name: 348 LANGNER RD.
Project Number: 0123-005-102

Lab Number: L1215814
Report Date: 09/07/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	348 LANGNER RD.	**Lab Number:**	L1215814
Project Number:	0123-005-102	**Report Date:**	09/07/12

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

The WG559267-4/-5 MS/MSD recoveries, performed on L1215814-01, were below the acceptance criteria for Hexachlorobutadiene (63%/60%), Naphthalene (66%/67%), 1,2,3-Trichlorobenzene (58%/58%), and 1,2,4-Trichlorobenzene (58%/59%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative Date: 09/07/12

ORGANICS

VOLATILES

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-01
Client ID: UST AREA 2 BOTTOM 1
Sample Location: 348 LANGNER RD.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/06/12 14:25
Analyst: BN
Percent Solids: 84%

Date Collected: 09/05/12 09:15
Date Received: 09/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	30	6.0	1
1,1-Dichloroethane	ND		ug/kg	4.5	0.88	1
Chloroform	ND		ug/kg	4.5	0.97	1
Carbon tetrachloride	ND		ug/kg	3.0	0.63	1
1,2-Dichloropropane	ND		ug/kg	10	0.76	1
Dibromochloromethane	ND		ug/kg	3.0	0.92	1
1,1,2-Trichloroethane	ND		ug/kg	4.5	1.2	1
Tetrachloroethene	ND		ug/kg	3.0	0.91	1
Chlorobenzene	ND		ug/kg	3.0	0.55	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.0	0.68	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.80	1
Bromodichloromethane	ND		ug/kg	3.0	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.89	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.80	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.71	1
Benzene	ND		ug/kg	3.0	0.88	1
Toluene	3.2	J	ug/kg	4.5	0.72	1
Ethylbenzene	1.8	J	ug/kg	3.0	0.66	1
Chloromethane	ND		ug/kg	15	2.3	1
Bromomethane	ND		ug/kg	6.0	1.9	1
Vinyl chloride	ND		ug/kg	6.0	2.2	1
Chloroethane	ND		ug/kg	6.0	1.3	1
1,1-Dichloroethene	ND		ug/kg	3.0	0.77	1
trans-1,2-Dichloroethene	ND		ug/kg	4.5	1.2	1
Trichloroethene	ND		ug/kg	3.0	0.67	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.2	1

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-01 Date Collected: 09/05/12 09:15

Client ID: UST AREA 2 BOTTOM 1 Date Received: 09/05/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.0	1.4	1
p/m-Xylene	4.9	J	ug/kg	6.0	1.3	1
o-Xylene	2.0	J	ug/kg	6.0	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.90	1
Dibromomethane	ND		ug/kg	30	1.3	1
Styrene	ND		ug/kg	6.0	2.2	1
Dichlorodifluoromethane	ND		ug/kg	30	1.2	1
Acetone	ND		ug/kg	30	9.6	1
Carbon disulfide	ND		ug/kg	30	1.1	1
2-Butanone	ND		ug/kg	30	12.	1
Vinyl acetate	ND		ug/kg	30	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	30	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	30	1.2	1
2-Hexanone	ND		ug/kg	30	1.2	1
Bromochloromethane	ND		ug/kg	15	0.90	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	0.98	1
Bromobenzene	ND		ug/kg	15	0.66	1
n-Butylbenzene	ND		ug/kg	3.0	0.94	1
sec-Butylbenzene	ND		ug/kg	3.0	0.82	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.93	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	ND		ug/kg	3.0	0.53	1
p-Isopropyltoluene	ND		ug/kg	3.0	0.81	1
Naphthalene	ND		ug/kg	15	2.3	1
Acrylonitrile	ND		ug/kg	30	1.1	1
n-Propylbenzene	ND		ug/kg	3.0	0.84	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	3.0	J	ug/kg	15	1.7	1
1,4-Dioxane	ND		ug/kg	300	52.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.60	1
4-Ethyltoluene	1.6	J	ug/kg	12	0.29	1

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-01 Date Collected: 09/05/12 09:15

Client ID: UST AREA 2 BOTTOM 1 Date Received: 09/05/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.54	1
Ethyl ether	ND		ug/kg	15	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

SAMPLE RESULTS

Lab ID:	L1215814-02	Date Collected:	09/05/12 09:30
Client ID:	UST AREA 2 BOTTOM 2	Date Received:	09/05/12
Sample Location:	348 LANGNER RD.	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/06/12 15:46		
Analyst:	BN		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	30	6.0	1
1,1-Dichloroethane	ND		ug/kg	4.5	0.89	1
Chloroform	ND		ug/kg	4.5	0.98	1
Carbon tetrachloride	ND		ug/kg	3.0	0.64	1
1,2-Dichloropropane	ND		ug/kg	10	0.77	1
Dibromochloromethane	ND		ug/kg	3.0	0.93	1
1,1,2-Trichloroethane	ND		ug/kg	4.5	1.2	1
Tetrachloroethene	ND		ug/kg	3.0	0.92	1
Chlorobenzene	ND		ug/kg	3.0	0.56	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.0	0.68	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.81	1
Bromodichloromethane	ND		ug/kg	3.0	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.90	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.80	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.72	1
Benzene	ND		ug/kg	3.0	0.90	1
Toluene	3.1	J	ug/kg	4.5	0.73	1
Ethylbenzene	74		ug/kg	3.0	0.67	1
Chloromethane	ND		ug/kg	15	2.4	1
Bromomethane	ND		ug/kg	6.0	2.0	1
Vinyl chloride	ND		ug/kg	6.0	2.3	1
Chloroethane	ND		ug/kg	6.0	1.3	1
1,1-Dichloroethene	ND		ug/kg	3.0	0.78	1
trans-1,2-Dichloroethene	ND		ug/kg	4.5	1.2	1
Trichloroethene	ND		ug/kg	3.0	0.67	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.3	1

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-02 Date Collected: 09/05/12 09:30

Client ID: UST AREA 2 BOTTOM 2 Date Received: 09/05/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.0	1.5	1
p/m-Xylene	150		ug/kg	6.0	1.3	1
o-Xylene	34		ug/kg	6.0	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.91	1
Dibromomethane	ND		ug/kg	30	1.3	1
Styrene	ND		ug/kg	6.0	2.2	1
Dichlorodifluoromethane	ND		ug/kg	30	1.2	1
Acetone	ND		ug/kg	30	9.7	1
Carbon disulfide	ND		ug/kg	30	1.1	1
2-Butanone	ND		ug/kg	30	12.	1
Vinyl acetate	ND		ug/kg	30	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	30	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	30	1.2	1
2-Hexanone	ND		ug/kg	30	1.2	1
Bromochloromethane	ND		ug/kg	15	0.91	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	0.99	1
Bromobenzene	ND		ug/kg	15	0.66	1
n-Butylbenzene	8.1		ug/kg	3.0	0.95	1
sec-Butylbenzene	3.5		ug/kg	3.0	0.83	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.94	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	12		ug/kg	3.0	0.53	1
p-Isopropyltoluene	ND		ug/kg	3.0	0.82	1
Naphthalene	23		ug/kg	15	2.3	1
Acrylonitrile	ND		ug/kg	30	1.1	1
n-Propylbenzene	58		ug/kg	3.0	0.86	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	120		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	330		ug/kg	15	1.7	1
1,4-Dioxane	ND		ug/kg	300	52.	1
1,4-Diethylbenzene	63		ug/kg	12	0.60	1
4-Ethyltoluene	170		ug/kg	12	0.29	1

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-02 Date Collected: 09/05/12 09:30

Client ID: UST AREA 2 BOTTOM 2 Date Received: 09/05/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	30		ug/kg	12	0.54	1
Ethyl ether	ND		ug/kg	15	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	93		70-130

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-03
Client ID: UST AREA 2 BLIND DUP
Sample Location: 348 LANGNER RD.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/06/12 16:13
Analyst: BN
Percent Solids: 83%

Date Collected: 09/05/12 08:00
Date Received: 09/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	30	6.0	1
1,1-Dichloroethane	ND		ug/kg	4.5	0.89	1
Chloroform	ND		ug/kg	4.5	0.98	1
Carbon tetrachloride	ND		ug/kg	3.0	0.64	1
1,2-Dichloropropane	ND		ug/kg	10	0.77	1
Dibromochloromethane	ND		ug/kg	3.0	0.93	1
1,1,2-Trichloroethane	ND		ug/kg	4.5	1.2	1
Tetrachloroethene	ND		ug/kg	3.0	0.92	1
Chlorobenzene	ND		ug/kg	3.0	0.56	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.0	0.68	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.81	1
Bromodichloromethane	ND		ug/kg	3.0	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.90	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.80	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.72	1
Benzene	ND		ug/kg	3.0	0.90	1
Toluene	ND		ug/kg	4.5	0.73	1
Ethylbenzene	2.2	J	ug/kg	3.0	0.67	1
Chloromethane	ND		ug/kg	15	2.4	1
Bromomethane	ND		ug/kg	6.0	2.0	1
Vinyl chloride	ND		ug/kg	6.0	2.3	1
Chloroethane	ND		ug/kg	6.0	1.3	1
1,1-Dichloroethene	ND		ug/kg	3.0	0.78	1
trans-1,2-Dichloroethene	ND		ug/kg	4.5	1.2	1
Trichloroethene	ND		ug/kg	3.0	0.67	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.3	1

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-03 Date Collected: 09/05/12 08:00

Client ID: UST AREA 2 BLIND DUP Date Received: 09/05/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.0	1.5	1
p/m-Xylene	5.5	J	ug/kg	6.0	1.3	1
o-Xylene	3.0	J	ug/kg	6.0	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.91	1
Dibromomethane	ND		ug/kg	30	1.3	1
Styrene	ND		ug/kg	6.0	2.2	1
Dichlorodifluoromethane	ND		ug/kg	30	1.2	1
Acetone	ND		ug/kg	30	9.7	1
Carbon disulfide	ND		ug/kg	30	1.1	1
2-Butanone	ND		ug/kg	30	12.	1
Vinyl acetate	ND		ug/kg	30	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	30	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	30	1.2	1
2-Hexanone	ND		ug/kg	30	1.2	1
Bromochloromethane	ND		ug/kg	15	0.91	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	0.99	1
Bromobenzene	ND		ug/kg	15	0.66	1
n-Butylbenzene	ND		ug/kg	3.0	0.95	1
sec-Butylbenzene	ND		ug/kg	3.0	0.83	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.94	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	ND		ug/kg	3.0	0.53	1
p-Isopropyltoluene	ND		ug/kg	3.0	0.82	1
Naphthalene	ND		ug/kg	15	2.3	1
Acrylonitrile	ND		ug/kg	30	1.1	1
n-Propylbenzene	ND		ug/kg	3.0	0.86	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	3.5	J	ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	6.9	J	ug/kg	15	1.7	1
1,4-Dioxane	ND		ug/kg	300	52.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.60	1
4-Ethyltoluene	5.8	J	ug/kg	12	0.29	1

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-03 Date Collected: 09/05/12 08:00

Client ID: UST AREA 2 BLIND DUP Date Received: 09/05/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	1.4	J	ug/kg	12	0.54	1
Ethyl ether	ND		ug/kg	15	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-04
Client ID: UST AREA 2 NORTH WALL 1
Sample Location: 348 LANGNER RD.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/06/12 16:40
Analyst: BN
Percent Solids: 77%

Date Collected: 09/05/12 10:15
Date Received: 09/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	32	6.5	1
1,1-Dichloroethane	ND		ug/kg	4.9	0.96	1
Chloroform	ND		ug/kg	4.9	1.0	1
Carbon tetrachloride	ND		ug/kg	3.2	0.68	1
1,2-Dichloropropane	ND		ug/kg	11	0.83	1
Dibromochloromethane	ND		ug/kg	3.2	1.0	1
1,1,2-Trichloroethane	ND		ug/kg	4.9	1.3	1
Tetrachloroethene	ND		ug/kg	3.2	0.99	1
Chlorobenzene	ND		ug/kg	3.2	0.60	1
Trichlorofluoromethane	ND		ug/kg	16	1.3	1
1,2-Dichloroethane	ND		ug/kg	3.2	0.74	1
1,1,1-Trichloroethane	ND		ug/kg	3.2	0.88	1
Bromodichloromethane	ND		ug/kg	3.2	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.2	0.98	1
cis-1,3-Dichloropropene	ND		ug/kg	3.2	0.87	1
1,1-Dichloropropene	ND		ug/kg	16	1.5	1
Bromoform	ND		ug/kg	13	1.6	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.2	0.78	1
Benzene	ND		ug/kg	3.2	0.96	1
Toluene	ND		ug/kg	4.9	0.78	1
Ethylbenzene	2.4	J	ug/kg	3.2	0.72	1
Chloromethane	ND		ug/kg	16	2.5	1
Bromomethane	ND		ug/kg	6.5	2.1	1
Vinyl chloride	ND		ug/kg	6.5	2.4	1
Chloroethane	ND		ug/kg	6.5	1.4	1
1,1-Dichloroethene	ND		ug/kg	3.2	0.84	1
trans-1,2-Dichloroethene	ND		ug/kg	4.9	1.3	1
Trichloroethene	ND		ug/kg	3.2	0.73	1
1,2-Dichlorobenzene	ND		ug/kg	16	1.2	1
1,3-Dichlorobenzene	ND		ug/kg	16	1.3	1
1,4-Dichlorobenzene	ND		ug/kg	16	1.4	1

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-04 Date Collected: 09/05/12 10:15

Client ID: UST AREA 2 NORTH WALL 1 Date Received: 09/05/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.5	1.6	1
p/m-Xylene	3.5	J	ug/kg	6.5	1.4	1
o-Xylene	ND		ug/kg	6.5	1.4	1
cis-1,2-Dichloroethene	ND		ug/kg	3.2	0.98	1
Dibromomethane	ND		ug/kg	32	1.4	1
Styrene	ND		ug/kg	6.5	2.4	1
Dichlorodifluoromethane	ND		ug/kg	32	1.3	1
Acetone	40		ug/kg	32	10.	1
Carbon disulfide	ND		ug/kg	32	1.2	1
2-Butanone	13	J	ug/kg	32	12.	1
Vinyl acetate	ND		ug/kg	32	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	32	2.6	1
1,2,3-Trichloropropane	ND		ug/kg	32	1.2	1
2-Hexanone	ND		ug/kg	32	1.3	1
Bromochloromethane	ND		ug/kg	16	0.98	1
2,2-Dichloropropane	ND		ug/kg	16	2.6	1
1,2-Dibromoethane	ND		ug/kg	13	1.3	1
1,3-Dichloropropane	ND		ug/kg	16	1.8	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.2	1.1	1
Bromobenzene	ND		ug/kg	16	0.71	1
n-Butylbenzene	ND		ug/kg	3.2	1.0	1
sec-Butylbenzene	ND		ug/kg	3.2	0.89	1
tert-Butylbenzene	ND		ug/kg	16	2.0	1
o-Chlorotoluene	ND		ug/kg	16	1.0	1
p-Chlorotoluene	ND		ug/kg	16	1.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	16	2.7	1
Hexachlorobutadiene	ND		ug/kg	16	1.5	1
Isopropylbenzene	ND		ug/kg	3.2	0.57	1
p-Isopropyltoluene	ND		ug/kg	3.2	0.89	1
Naphthalene	ND		ug/kg	16	2.5	1
Acrylonitrile	ND		ug/kg	32	1.2	1
n-Propylbenzene	ND		ug/kg	3.2	0.92	1
1,2,3-Trichlorobenzene	ND		ug/kg	16	1.3	1
1,2,4-Trichlorobenzene	ND		ug/kg	16	2.6	1
1,3,5-Trimethylbenzene	ND		ug/kg	16	2.0	1
1,2,4-Trimethylbenzene	3.4	J	ug/kg	16	1.9	1
1,4-Dioxane	ND		ug/kg	320	56.	1
1,4-Diethylbenzene	1.2	J	ug/kg	13	0.65	1
4-Ethyltoluene	2.8	J	ug/kg	13	0.31	1

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-04 Date Collected: 09/05/12 10:15

Client ID: UST AREA 2 NORTH WALL 1 Date Received: 09/05/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	0.70	J	ug/kg	13	0.59	1
Ethyl ether	ND		ug/kg	16	1.2	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	16	4.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-05 D
Client ID: UST AREA 2 NORTH WALL 2
Sample Location: 348 LANGNER RD.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/07/12 08:50
Analyst: BN
Percent Solids: 75%

Date Collected: 09/05/12 10:00
Date Received: 09/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	50	J	ug/kg	67	13.	2
1,1-Dichloroethane	ND		ug/kg	10	2.0	2
Chloroform	ND		ug/kg	10	2.2	2
Carbon tetrachloride	ND		ug/kg	6.7	1.4	2
1,2-Dichloropropane	ND		ug/kg	23	1.7	2
Dibromochloromethane	ND		ug/kg	6.7	2.0	2
1,1,2-Trichloroethane	ND		ug/kg	10	2.6	2
Tetrachloroethene	ND		ug/kg	6.7	2.0	2
Chlorobenzene	ND		ug/kg	6.7	1.2	2
Trichlorofluoromethane	ND		ug/kg	33	2.6	2
1,2-Dichloroethane	ND		ug/kg	6.7	1.5	2
1,1,1-Trichloroethane	ND		ug/kg	6.7	1.8	2
Bromodichloromethane	ND		ug/kg	6.7	2.6	2
trans-1,3-Dichloropropene	ND		ug/kg	6.7	2.0	2
cis-1,3-Dichloropropene	ND		ug/kg	6.7	1.8	2
1,1-Dichloropropene	ND		ug/kg	33	3.0	2
Bromoform	ND		ug/kg	27	3.3	2
1,1,2,2-Tetrachloroethane	ND		ug/kg	6.7	1.6	2
Benzene	20		ug/kg	6.7	2.0	2
Toluene	ND		ug/kg	10	1.6	2
Ethylbenzene	960		ug/kg	6.7	1.5	2
Chloromethane	ND		ug/kg	33	5.2	2
Bromomethane	ND		ug/kg	13	4.3	2
Vinyl chloride	ND		ug/kg	13	5.0	2
Chloroethane	ND		ug/kg	13	2.9	2
1,1-Dichloroethene	ND		ug/kg	6.7	1.7	2
trans-1,2-Dichloroethene	ND		ug/kg	10	2.6	2
Trichloroethene	ND		ug/kg	6.7	1.5	2
1,2-Dichlorobenzene	ND		ug/kg	33	2.4	2
1,3-Dichlorobenzene	ND		ug/kg	33	2.7	2
1,4-Dichlorobenzene	ND		ug/kg	33	2.8	2

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-05 D Date Collected: 09/05/12 10:00

Client ID: UST AREA 2 NORTH WALL 2 Date Received: 09/05/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	13	3.2	2
p/m-Xylene	49		ug/kg	13	2.9	2
o-Xylene	7.5	J	ug/kg	13	2.8	2
cis-1,2-Dichloroethene	ND		ug/kg	6.7	2.0	2
Dibromomethane	ND		ug/kg	67	2.9	2
Styrene	ND		ug/kg	13	4.8	2
Dichlorodifluoromethane	ND		ug/kg	67	2.6	2
Acetone	ND		ug/kg	67	22.	2
Carbon disulfide	11	J	ug/kg	67	2.5	2
2-Butanone	ND		ug/kg	67	26.	2
Vinyl acetate	ND		ug/kg	67	5.0	2
4-Methyl-2-pentanone	ND		ug/kg	67	5.4	2
1,2,3-Trichloropropane	ND		ug/kg	67	2.6	2
2-Hexanone	ND		ug/kg	67	2.6	2
Bromochloromethane	ND		ug/kg	33	2.0	2
2,2-Dichloropropane	ND		ug/kg	33	5.3	2
1,2-Dibromoethane	ND		ug/kg	27	2.7	2
1,3-Dichloropropane	ND		ug/kg	33	3.8	2
1,1,1,2-Tetrachloroethane	ND		ug/kg	6.7	2.2	2
Bromobenzene	ND		ug/kg	33	1.5	2
n-Butylbenzene	54		ug/kg	6.7	2.1	2
sec-Butylbenzene	19		ug/kg	6.7	1.8	2
tert-Butylbenzene	ND		ug/kg	33	4.0	2
o-Chlorotoluene	ND		ug/kg	33	2.1	2
p-Chlorotoluene	ND		ug/kg	33	2.4	2
1,2-Dibromo-3-chloropropane	ND		ug/kg	33	5.6	2
Hexachlorobutadiene	ND		ug/kg	33	3.0	2
Isopropylbenzene	83		ug/kg	6.7	1.2	2
p-Isopropyltoluene	ND		ug/kg	6.7	1.8	2
Naphthalene	260		ug/kg	33	5.1	2
Acrylonitrile	ND		ug/kg	67	2.5	2
n-Propylbenzene	480		ug/kg	6.7	1.9	2
1,2,3-Trichlorobenzene	ND		ug/kg	33	2.7	2
1,2,4-Trichlorobenzene	ND		ug/kg	33	5.3	2
1,3,5-Trimethylbenzene	25	J	ug/kg	33	4.0	2
1,2,4-Trimethylbenzene	66		ug/kg	33	3.8	2
1,4-Dioxane	ND		ug/kg	670	120	2
1,4-Diethylbenzene	56		ug/kg	27	1.3	2
4-Ethyltoluene	37		ug/kg	27	0.65	2

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-05 D
Client ID: UST AREA 2 NORTH WALL 2
Sample Location: 348 LANGNER RD.

Date Collected: 09/05/12 10:00
Date Received: 09/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	200		ug/kg	27	1.2	2
Ethyl ether	ND		ug/kg	33	2.5	2
trans-1,4-Dichloro-2-butene	ND		ug/kg	33	9.8	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	94		70-130

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

SAMPLE RESULTS

Lab ID:	L1215814-06	Date Collected:	09/05/12 10:30
Client ID:	UST AREA 2 EAST WALL 1	Date Received:	09/05/12
Sample Location:	348 LANGNER RD.	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/06/12 17:34		
Analyst:	BN		
Percent Solids:	75%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	33	6.7	1
1,1-Dichloroethane	ND		ug/kg	5.0	0.98	1
Chloroform	ND		ug/kg	5.0	1.1	1
Carbon tetrachloride	ND		ug/kg	3.3	0.70	1
1,2-Dichloropropane	ND		ug/kg	12	0.85	1
Dibromochloromethane	ND		ug/kg	3.3	1.0	1
1,1,2-Trichloroethane	ND		ug/kg	5.0	1.3	1
Tetrachloroethene	ND		ug/kg	3.3	1.0	1
Chlorobenzene	ND		ug/kg	3.3	0.62	1
Trichlorofluoromethane	ND		ug/kg	17	1.3	1
1,2-Dichloroethane	ND		ug/kg	3.3	0.76	1
1,1,1-Trichloroethane	ND		ug/kg	3.3	0.90	1
Bromodichloromethane	ND		ug/kg	3.3	1.3	1
trans-1,3-Dichloropropene	ND		ug/kg	3.3	1.0	1
cis-1,3-Dichloropropene	ND		ug/kg	3.3	0.89	1
1,1-Dichloropropene	ND		ug/kg	17	1.5	1
Bromoform	ND		ug/kg	13	1.6	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.3	0.80	1
Benzene	ND		ug/kg	3.3	0.99	1
Toluene	ND		ug/kg	5.0	0.80	1
Ethylbenzene	ND		ug/kg	3.3	0.74	1
Chloromethane	ND		ug/kg	17	2.6	1
Bromomethane	ND		ug/kg	6.7	2.2	1
Vinyl chloride	ND		ug/kg	6.7	2.5	1
Chloroethane	ND		ug/kg	6.7	1.5	1
1,1-Dichloroethene	ND		ug/kg	3.3	0.87	1
trans-1,2-Dichloroethene	ND		ug/kg	5.0	1.3	1
Trichloroethene	ND		ug/kg	3.3	0.75	1
1,2-Dichlorobenzene	ND		ug/kg	17	1.2	1
1,3-Dichlorobenzene	ND		ug/kg	17	1.3	1
1,4-Dichlorobenzene	ND		ug/kg	17	1.4	1

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-06 Date Collected: 09/05/12 10:30

Client ID: UST AREA 2 EAST WALL 1 Date Received: 09/05/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.7	1.6	1
p/m-Xylene	5.2	J	ug/kg	6.7	1.4	1
o-Xylene	ND		ug/kg	6.7	1.4	1
cis-1,2-Dichloroethene	ND		ug/kg	3.3	1.0	1
Dibromomethane	ND		ug/kg	33	1.4	1
Styrene	ND		ug/kg	6.7	2.4	1
Dichlorodifluoromethane	ND		ug/kg	33	1.3	1
Acetone	31	J	ug/kg	33	11.	1
Carbon disulfide	ND		ug/kg	33	1.2	1
2-Butanone	ND		ug/kg	33	13.	1
Vinyl acetate	ND		ug/kg	33	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	33	2.7	1
1,2,3-Trichloropropane	ND		ug/kg	33	1.3	1
2-Hexanone	ND		ug/kg	33	1.3	1
Bromochloromethane	ND		ug/kg	17	1.0	1
2,2-Dichloropropane	ND		ug/kg	17	2.6	1
1,2-Dibromoethane	ND		ug/kg	13	1.4	1
1,3-Dichloropropane	ND		ug/kg	17	1.9	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.3	1.1	1
Bromobenzene	ND		ug/kg	17	0.73	1
n-Butylbenzene	ND		ug/kg	3.3	1.0	1
sec-Butylbenzene	ND		ug/kg	3.3	0.92	1
tert-Butylbenzene	ND		ug/kg	17	2.0	1
o-Chlorotoluene	ND		ug/kg	17	1.0	1
p-Chlorotoluene	ND		ug/kg	17	1.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	17	2.8	1
Hexachlorobutadiene	ND		ug/kg	17	1.5	1
Isopropylbenzene	ND		ug/kg	3.3	0.59	1
p-Isopropyltoluene	ND		ug/kg	3.3	0.91	1
Naphthalene	ND		ug/kg	17	2.6	1
Acrylonitrile	ND		ug/kg	33	1.2	1
n-Propylbenzene	ND		ug/kg	3.3	0.95	1
1,2,3-Trichlorobenzene	ND		ug/kg	17	1.3	1
1,2,4-Trichlorobenzene	ND		ug/kg	17	2.6	1
1,3,5-Trimethylbenzene	ND		ug/kg	17	2.0	1
1,2,4-Trimethylbenzene	3.4	J	ug/kg	17	1.9	1
1,4-Dioxane	ND		ug/kg	330	58.	1
1,4-Diethylbenzene	ND		ug/kg	13	0.67	1
4-Ethyltoluene	2.6	J	ug/kg	13	0.32	1

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-06 Date Collected: 09/05/12 10:30

Client ID: UST AREA 2 EAST WALL 1 Date Received: 09/05/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	13	0.60	1
Ethyl ether	ND		ug/kg	17	1.3	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	17	4.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	96		70-130

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-07
Client ID: UST AREA 2 EAST WALL 2
Sample Location: 348 LANGNER RD.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/06/12 18:01
Analyst: BN
Percent Solids: 74%

Date Collected: 09/05/12 11:00
Date Received: 09/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	34	6.8	1
1,1-Dichloroethane	ND		ug/kg	5.1	1.0	1
Chloroform	ND		ug/kg	5.1	1.1	1
Carbon tetrachloride	ND		ug/kg	3.4	0.71	1
1,2-Dichloropropane	ND		ug/kg	12	0.86	1
Dibromochloromethane	ND		ug/kg	3.4	1.0	1
1,1,2-Trichloroethane	ND		ug/kg	5.1	1.3	1
Tetrachloroethene	ND		ug/kg	3.4	1.0	1
Chlorobenzene	ND		ug/kg	3.4	0.63	1
Trichlorofluoromethane	ND		ug/kg	17	1.3	1
1,2-Dichloroethane	ND		ug/kg	3.4	0.77	1
1,1,1-Trichloroethane	ND		ug/kg	3.4	0.91	1
Bromodichloromethane	ND		ug/kg	3.4	1.3	1
trans-1,3-Dichloropropene	ND		ug/kg	3.4	1.0	1
cis-1,3-Dichloropropene	ND		ug/kg	3.4	0.90	1
1,1-Dichloropropene	ND		ug/kg	17	1.5	1
Bromoform	ND		ug/kg	14	1.7	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.4	0.81	1
Benzene	2.4	J	ug/kg	3.4	1.0	1
Toluene	9.9		ug/kg	5.1	0.82	1
Ethylbenzene	16		ug/kg	3.4	0.75	1
Chloromethane	ND		ug/kg	17	2.6	1
Bromomethane	ND		ug/kg	6.8	2.2	1
Vinyl chloride	ND		ug/kg	6.8	2.5	1
Chloroethane	ND		ug/kg	6.8	1.5	1
1,1-Dichloroethene	ND		ug/kg	3.4	0.88	1
trans-1,2-Dichloroethene	ND		ug/kg	5.1	1.3	1
Trichloroethene	ND		ug/kg	3.4	0.76	1
1,2-Dichlorobenzene	ND		ug/kg	17	1.2	1
1,3-Dichlorobenzene	ND		ug/kg	17	1.4	1
1,4-Dichlorobenzene	ND		ug/kg	17	1.4	1

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-07 Date Collected: 09/05/12 11:00

Client ID: UST AREA 2 EAST WALL 2 Date Received: 09/05/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.8	1.6	1
p/m-Xylene	50		ug/kg	6.8	1.4	1
o-Xylene	19		ug/kg	6.8	1.4	1
cis-1,2-Dichloroethene	ND		ug/kg	3.4	1.0	1
Dibromomethane	ND		ug/kg	34	1.5	1
Styrene	ND		ug/kg	6.8	2.4	1
Dichlorodifluoromethane	ND		ug/kg	34	1.3	1
Acetone	83		ug/kg	34	11.	1
Carbon disulfide	ND		ug/kg	34	1.3	1
2-Butanone	26	J	ug/kg	34	13.	1
Vinyl acetate	ND		ug/kg	34	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	34	2.8	1
1,2,3-Trichloropropane	ND		ug/kg	34	1.3	1
2-Hexanone	ND		ug/kg	34	1.3	1
Bromochloromethane	ND		ug/kg	17	1.0	1
2,2-Dichloropropane	ND		ug/kg	17	2.7	1
1,2-Dibromoethane	ND		ug/kg	14	1.4	1
1,3-Dichloropropane	ND		ug/kg	17	1.9	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.4	1.1	1
Bromobenzene	ND		ug/kg	17	0.74	1
n-Butylbenzene	ND		ug/kg	3.4	1.1	1
sec-Butylbenzene	ND		ug/kg	3.4	0.93	1
tert-Butylbenzene	ND		ug/kg	17	2.0	1
o-Chlorotoluene	ND		ug/kg	17	1.0	1
p-Chlorotoluene	ND		ug/kg	17	1.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	17	2.8	1
Hexachlorobutadiene	ND		ug/kg	17	1.5	1
Isopropylbenzene	ND		ug/kg	3.4	0.60	1
p-Isopropyltoluene	ND		ug/kg	3.4	0.92	1
Naphthalene	5.5	J	ug/kg	17	2.6	1
Acrylonitrile	ND		ug/kg	34	1.3	1
n-Propylbenzene	4.6		ug/kg	3.4	0.96	1
1,2,3-Trichlorobenzene	ND		ug/kg	17	1.4	1
1,2,4-Trichlorobenzene	ND		ug/kg	17	2.7	1
1,3,5-Trimethylbenzene	9.7	J	ug/kg	17	2.0	1
1,2,4-Trimethylbenzene	39		ug/kg	17	1.9	1
1,4-Dioxane	ND		ug/kg	340	59.	1
1,4-Diethylbenzene	8.7	J	ug/kg	14	0.68	1
4-Ethyltoluene	22		ug/kg	14	0.33	1

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-07 Date Collected: 09/05/12 11:00

Client ID: UST AREA 2 EAST WALL 2 Date Received: 09/05/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	3.7	J	ug/kg	14	0.61	1
Ethyl ether	ND		ug/kg	17	1.3	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	17	5.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	96		70-130

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

SAMPLE RESULTS

Lab ID:	L1215814-08	Date Collected:	09/05/12 15:00
Client ID:	UST AREA 2 WEST WALL 1	Date Received:	09/05/12
Sample Location:	348 LANGNER RD.	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	09/06/12 18:27		
Analyst:	BN		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	32	6.4	1
1,1-Dichloroethane	ND		ug/kg	4.8	0.95	1
Chloroform	ND		ug/kg	4.8	1.0	1
Carbon tetrachloride	ND		ug/kg	3.2	0.68	1
1,2-Dichloropropane	ND		ug/kg	11	0.82	1
Dibromochloromethane	ND		ug/kg	3.2	0.99	1
1,1,2-Trichloroethane	ND		ug/kg	4.8	1.2	1
Tetrachloroethene	ND		ug/kg	3.2	0.98	1
Chlorobenzene	ND		ug/kg	3.2	0.60	1
Trichlorofluoromethane	ND		ug/kg	16	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.2	0.73	1
1,1,1-Trichloroethane	ND		ug/kg	3.2	0.86	1
Bromodichloromethane	ND		ug/kg	3.2	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.2	0.96	1
cis-1,3-Dichloropropene	ND		ug/kg	3.2	0.86	1
1,1-Dichloropropene	ND		ug/kg	16	1.5	1
Bromoform	ND		ug/kg	13	1.6	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.2	0.77	1
Benzene	14		ug/kg	3.2	0.95	1
Toluene	10		ug/kg	4.8	0.77	1
Ethylbenzene	6.1		ug/kg	3.2	0.71	1
Chloromethane	ND		ug/kg	16	2.5	1
Bromomethane	ND		ug/kg	6.4	2.1	1
Vinyl chloride	ND		ug/kg	6.4	2.4	1
Chloroethane	ND		ug/kg	6.4	1.4	1
1,1-Dichloroethene	ND		ug/kg	3.2	0.83	1
trans-1,2-Dichloroethene	ND		ug/kg	4.8	1.2	1
Trichloroethene	ND		ug/kg	3.2	0.72	1
1,2-Dichlorobenzene	ND		ug/kg	16	1.2	1
1,3-Dichlorobenzene	ND		ug/kg	16	1.3	1
1,4-Dichlorobenzene	ND		ug/kg	16	1.3	1

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-08 Date Collected: 09/05/12 15:00

Client ID: UST AREA 2 WEST WALL 1 Date Received: 09/05/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.4	1.6	1
p/m-Xylene	16		ug/kg	6.4	1.4	1
o-Xylene	7.6		ug/kg	6.4	1.3	1
cis-1,2-Dichloroethene	ND		ug/kg	3.2	0.97	1
Dibromomethane	ND		ug/kg	32	1.4	1
Styrene	ND		ug/kg	6.4	2.3	1
Dichlorodifluoromethane	ND		ug/kg	32	1.2	1
Acetone	ND		ug/kg	32	10.	1
Carbon disulfide	ND		ug/kg	32	1.2	1
2-Butanone	36		ug/kg	32	12.	1
Vinyl acetate	ND		ug/kg	32	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	32	2.6	1
1,2,3-Trichloropropane	ND		ug/kg	32	1.2	1
2-Hexanone	ND		ug/kg	32	1.3	1
Bromochloromethane	ND		ug/kg	16	0.97	1
2,2-Dichloropropane	ND		ug/kg	16	2.5	1
1,2-Dibromoethane	ND		ug/kg	13	1.3	1
1,3-Dichloropropane	ND		ug/kg	16	1.8	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.2	1.0	1
Bromobenzene	ND		ug/kg	16	0.70	1
n-Butylbenzene	ND		ug/kg	3.2	1.0	1
sec-Butylbenzene	ND		ug/kg	3.2	0.88	1
tert-Butylbenzene	ND		ug/kg	16	1.9	1
o-Chlorotoluene	ND		ug/kg	16	1.0	1
p-Chlorotoluene	ND		ug/kg	16	1.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	16	2.7	1
Hexachlorobutadiene	ND		ug/kg	16	1.5	1
Isopropylbenzene	ND		ug/kg	3.2	0.57	1
p-Isopropyltoluene	ND		ug/kg	3.2	0.88	1
Naphthalene	3.6	J	ug/kg	16	2.5	1
Acrylonitrile	ND		ug/kg	32	1.2	1
n-Propylbenzene	4.2		ug/kg	3.2	0.91	1
1,2,3-Trichlorobenzene	ND		ug/kg	16	1.3	1
1,2,4-Trichlorobenzene	ND		ug/kg	16	2.5	1
1,3,5-Trimethylbenzene	3.8	J	ug/kg	16	1.9	1
1,2,4-Trimethylbenzene	8.5	J	ug/kg	16	1.8	1
1,4-Dioxane	ND		ug/kg	320	56.	1
1,4-Diethylbenzene	ND		ug/kg	13	0.64	1
4-Ethyltoluene	6.1	J	ug/kg	13	0.31	1

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-08 Date Collected: 09/05/12 15:00

Client ID: UST AREA 2 WEST WALL 1 Date Received: 09/05/12

Sample Location: 348 LANGNER RD. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	11	J	ug/kg	13	0.58	1
Ethyl ether	ND		ug/kg	16	1.2	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	16	4.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/06/12 08:07
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-08 Batch: WG559267-3					
Methylene chloride	ND		ug/kg	25	5.0
1,1-Dichloroethane	ND		ug/kg	3.8	0.74
Chloroform	ND		ug/kg	3.8	0.81
Carbon tetrachloride	ND		ug/kg	2.5	0.53
1,2-Dichloropropane	ND		ug/kg	8.8	0.64
Dibromochloromethane	ND		ug/kg	2.5	0.77
1,1,2-Trichloroethane	ND		ug/kg	3.8	0.98
Tetrachloroethene	ND		ug/kg	2.5	0.76
Chlorobenzene	ND		ug/kg	2.5	0.46
Trichlorofluoromethane	ND		ug/kg	12	0.98
1,2-Dichloroethane	ND		ug/kg	2.5	0.57
1,1,1-Trichloroethane	ND		ug/kg	2.5	0.67
Bromodichloromethane	ND		ug/kg	2.5	0.96
trans-1,3-Dichloropropene	ND		ug/kg	2.5	0.75
cis-1,3-Dichloropropene	ND		ug/kg	2.5	0.67
1,1-Dichloropropene	ND		ug/kg	12	1.1
Bromoform	ND		ug/kg	10	1.2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	0.60
Benzene	ND		ug/kg	2.5	0.74
Toluene	ND		ug/kg	3.8	0.60
Ethylbenzene	ND		ug/kg	2.5	0.55
Chloromethane	ND		ug/kg	12	2.0
Bromomethane	ND		ug/kg	5.0	1.6
Vinyl chloride	ND		ug/kg	5.0	1.9
Chloroethane	ND		ug/kg	5.0	1.1
1,1-Dichloroethene	ND		ug/kg	2.5	0.65
trans-1,2-Dichloroethene	ND		ug/kg	3.8	0.98
Trichloroethene	ND		ug/kg	2.5	0.56
1,2-Dichlorobenzene	ND		ug/kg	12	0.91
1,3-Dichlorobenzene	ND		ug/kg	12	1.0
1,4-Dichlorobenzene	ND		ug/kg	12	1.0

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/06/12 08:07
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-08 Batch: WG559267-3					
Methyl tert butyl ether	ND		ug/kg	5.0	1.2
p/m-Xylene	ND		ug/kg	5.0	1.1
o-Xylene	ND		ug/kg	5.0	1.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5	0.75
Dibromomethane	ND		ug/kg	25	1.1
Styrene	ND		ug/kg	5.0	1.8
Dichlorodifluoromethane	ND		ug/kg	25	0.97
Acetone	ND		ug/kg	25	8.1
Carbon disulfide	ND		ug/kg	25	0.94
2-Butanone	ND		ug/kg	25	9.7
Vinyl acetate	ND		ug/kg	25	1.9
4-Methyl-2-pentanone	ND		ug/kg	25	2.0
1,2,3-Trichloropropane	ND		ug/kg	25	0.97
2-Hexanone	ND		ug/kg	25	0.99
Bromochloromethane	ND		ug/kg	12	0.76
2,2-Dichloropropane	ND		ug/kg	12	2.0
1,2-Dibromoethane	ND		ug/kg	10	1.0
1,3-Dichloropropane	ND		ug/kg	12	1.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	0.82
Bromobenzene	ND		ug/kg	12	0.55
n-Butylbenzene	ND		ug/kg	2.5	0.79
sec-Butylbenzene	ND		ug/kg	2.5	0.69
tert-Butylbenzene	ND		ug/kg	12	1.5
o-Chlorotoluene	ND		ug/kg	12	0.78
p-Chlorotoluene	ND		ug/kg	12	0.90
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	2.1
Hexachlorobutadiene	ND		ug/kg	12	1.1
Isopropylbenzene	ND		ug/kg	2.5	0.44
p-Isopropyltoluene	ND		ug/kg	2.5	0.68
Naphthalene	ND		ug/kg	12	1.9
Acrylonitrile	ND		ug/kg	25	0.94

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/06/12 08:07
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-08 Batch: WG559267-3					
Isopropyl Ether	ND		ug/kg	10	1.0
tert-Butyl Alcohol	ND		ug/kg	150	3.1
n-Propylbenzene	ND		ug/kg	2.5	0.71
1,2,3-Trichlorobenzene	ND		ug/kg	12	1.0
1,2,4-Trichlorobenzene	ND		ug/kg	12	2.0
1,3,5-Trimethylbenzene	ND		ug/kg	12	1.5
1,2,4-Trimethylbenzene	ND		ug/kg	12	1.4
Methyl Acetate	ND		ug/kg	50	1.2
Ethyl Acetate	ND		ug/kg	50	50.
Acrolein	ND		ug/kg	62	7.5
Cyclohexane	ND		ug/kg	50	0.31
1,4-Dioxane	ND		ug/kg	250	44.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	50	0.99
1,4-Diethylbenzene	ND		ug/kg	10	0.50
4-Ethyltoluene	ND		ug/kg	10	0.24
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	0.45
Tetrahydrofuran	ND		ug/kg	50	2.8
Ethyl ether	ND		ug/kg	12	0.95
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.7
Methyl cyclohexane	ND		ug/kg	10	1.7
Ethyl-Tert-Butyl-Ether	ND		ug/kg	10	2.2
Tertiary-Amyl Methyl Ether	ND		ug/kg	10	2.5
Ethyl Alcohol	ND		ug/kg	2500	520

Project Name: 348 LANGNER RD.
Project Number: 0123-005-102

Lab Number: L1215814
Report Date: 09/07/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/06/12 08:07
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-08 Batch: WG559267-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/07/12 08:23
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG559316-3					
Methylene chloride	ND		ug/kg	25	5.0
1,1-Dichloroethane	ND		ug/kg	3.8	0.74
Chloroform	ND		ug/kg	3.8	0.81
Carbon tetrachloride	ND		ug/kg	2.5	0.53
1,2-Dichloropropane	ND		ug/kg	8.8	0.64
Dibromochloromethane	ND		ug/kg	2.5	0.77
1,1,2-Trichloroethane	ND		ug/kg	3.8	0.98
Tetrachloroethene	ND		ug/kg	2.5	0.76
Chlorobenzene	ND		ug/kg	2.5	0.46
Trichlorofluoromethane	ND		ug/kg	12	0.98
1,2-Dichloroethane	ND		ug/kg	2.5	0.57
1,1,1-Trichloroethane	ND		ug/kg	2.5	0.67
Bromodichloromethane	ND		ug/kg	2.5	0.96
trans-1,3-Dichloropropene	ND		ug/kg	2.5	0.75
cis-1,3-Dichloropropene	ND		ug/kg	2.5	0.67
1,1-Dichloropropene	ND		ug/kg	12	1.1
Bromoform	ND		ug/kg	10	1.2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	0.60
Benzene	ND		ug/kg	2.5	0.74
Toluene	ND		ug/kg	3.8	0.60
Ethylbenzene	ND		ug/kg	2.5	0.55
Chloromethane	ND		ug/kg	12	2.0
Bromomethane	ND		ug/kg	5.0	1.6
Vinyl chloride	ND		ug/kg	5.0	1.9
Chloroethane	ND		ug/kg	5.0	1.1
1,1-Dichloroethene	ND		ug/kg	2.5	0.65
trans-1,2-Dichloroethene	ND		ug/kg	3.8	0.98
Trichloroethene	ND		ug/kg	2.5	0.56
1,2-Dichlorobenzene	ND		ug/kg	12	0.91
1,3-Dichlorobenzene	ND		ug/kg	12	1.0
1,4-Dichlorobenzene	ND		ug/kg	12	1.0

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/07/12 08:23
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG559316-3					
Methyl tert butyl ether	ND		ug/kg	5.0	1.2
p/m-Xylene	ND		ug/kg	5.0	1.1
o-Xylene	ND		ug/kg	5.0	1.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5	0.75
Dibromomethane	ND		ug/kg	25	1.1
Styrene	ND		ug/kg	5.0	1.8
Dichlorodifluoromethane	ND		ug/kg	25	0.97
Acetone	ND		ug/kg	25	8.1
Carbon disulfide	ND		ug/kg	25	0.94
2-Butanone	ND		ug/kg	25	9.7
Vinyl acetate	ND		ug/kg	25	1.9
4-Methyl-2-pentanone	ND		ug/kg	25	2.0
1,2,3-Trichloropropane	ND		ug/kg	25	0.97
2-Hexanone	ND		ug/kg	25	0.99
Bromochloromethane	ND		ug/kg	12	0.76
2,2-Dichloropropane	ND		ug/kg	12	2.0
1,2-Dibromoethane	ND		ug/kg	10	1.0
1,3-Dichloropropane	ND		ug/kg	12	1.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	0.82
Bromobenzene	ND		ug/kg	12	0.55
n-Butylbenzene	ND		ug/kg	2.5	0.79
sec-Butylbenzene	ND		ug/kg	2.5	0.69
tert-Butylbenzene	ND		ug/kg	12	1.5
o-Chlorotoluene	ND		ug/kg	12	0.78
p-Chlorotoluene	ND		ug/kg	12	0.90
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	2.1
Hexachlorobutadiene	ND		ug/kg	12	1.1
Isopropylbenzene	ND		ug/kg	2.5	0.44
p-Isopropyltoluene	ND		ug/kg	2.5	0.68
Naphthalene	ND		ug/kg	12	1.9
Acrylonitrile	ND		ug/kg	25	0.94

Project Name: 348 LANGNER RD. **Lab Number:** L1215814

Project Number: 0123-005-102 **Report Date:** 09/07/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/07/12 08:23
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG559316-3					
Isopropyl Ether	ND		ug/kg	10	1.0
tert-Butyl Alcohol	ND		ug/kg	150	3.1
n-Propylbenzene	ND		ug/kg	2.5	0.71
1,2,3-Trichlorobenzene	ND		ug/kg	12	1.0
1,2,4-Trichlorobenzene	ND		ug/kg	12	2.0
1,3,5-Trimethylbenzene	ND		ug/kg	12	1.5
1,2,4-Trimethylbenzene	ND		ug/kg	12	1.4
Methyl Acetate	ND		ug/kg	50	1.2
Ethyl Acetate	ND		ug/kg	50	50.
Acrolein	ND		ug/kg	62	7.5
Cyclohexane	ND		ug/kg	50	0.31
1,4-Dioxane	ND		ug/kg	250	44.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	50	0.99
1,4-Diethylbenzene	ND		ug/kg	10	0.50
4-Ethyltoluene	ND		ug/kg	10	0.24
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	0.45
Tetrahydrofuran	ND		ug/kg	50	2.8
Ethyl ether	ND		ug/kg	12	0.95
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.7
Methyl cyclohexane	ND		ug/kg	10	1.7
Ethyl-Tert-Butyl-Ether	ND		ug/kg	10	2.2
Tertiary-Amyl Methyl Ether	ND		ug/kg	10	2.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD.

Project Number: 0123-005-102

Lab Number: L1215814

Report Date: 09/07/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-08 Batch: WG559267-1 WG559267-2								
Methylene chloride	113		115		70-130	2		30
1,1-Dichloroethane	106		109		70-130	3		30
Chloroform	105		109		70-130	4		30
Carbon tetrachloride	100		105		70-130	5		30
1,2-Dichloropropane	106		110		70-130	4		30
Dibromochloromethane	98		100		70-130	2		30
1,1,2-Trichloroethane	101		104		70-130	3		30
Tetrachloroethene	97		101		70-130	4		30
Chlorobenzene	100		105		70-130	5		30
Trichlorofluoromethane	106		111		70-139	5		30
1,2-Dichloroethane	105		106		70-130	1		30
1,1,1-Trichloroethane	101		105		70-130	4		30
Bromodichloromethane	105		105		70-130	0		30
trans-1,3-Dichloropropene	102		104		70-130	2		30
cis-1,3-Dichloropropene	109		110		70-130	1		30
1,1-Dichloropropene	104		107		70-130	3		30
Bromoform	93		95		70-130	2		30
1,1,2,2-Tetrachloroethane	93		95		70-130	2		30
Benzene	107		110		70-130	3		30
Toluene	98		103		70-130	5		30
Ethylbenzene	100		104		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD.

Project Number: 0123-005-102

Lab Number: L1215814

Report Date: 09/07/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-08 Batch: WG559267-1 WG559267-2								
Chloromethane	104		110		52-130	6		30
Bromomethane	123		142		57-147	14		30
Vinyl chloride	106		114		67-130	7		30
Chloroethane	116		123		50-151	6		30
1,1-Dichloroethene	103		106		65-135	3		30
trans-1,2-Dichloroethene	104		108		70-130	4		30
Trichloroethene	102		106		70-130	4		30
1,2-Dichlorobenzene	97		100		70-130	3		30
1,3-Dichlorobenzene	98		101		70-130	3		30
1,4-Dichlorobenzene	97		99		70-130	2		30
Methyl tert butyl ether	108		110		66-130	2		30
p/m-Xylene	102		107		70-130	5		30
o-Xylene	104		108		70-130	4		30
cis-1,2-Dichloroethene	107		110		70-130	3		30
Dibromomethane	106		108		70-130	2		30
Styrene	105		109		70-130	4		30
Dichlorodifluoromethane	100		110		30-146	10		30
Acetone	122		129		54-140	6		30
Carbon disulfide	103		109		59-130	6		30
2-Butanone	117		116		70-130	1		30
Vinyl acetate	110		112		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD.

Project Number: 0123-005-102

Lab Number: L1215814

Report Date: 09/07/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-08 Batch: WG559267-1 WG559267-2								
4-Methyl-2-pentanone	101		104		70-130	3		30
1,2,3-Trichloropropane	88		90		68-130	2		30
2-Hexanone	100		102		70-130	2		30
Bromochloromethane	105		111		70-130	6		30
2,2-Dichloropropane	106		110		70-130	4		30
1,2-Dibromoethane	99		100		70-130	1		30
1,3-Dichloropropane	101		103		69-130	2		30
1,1,1,2-Tetrachloroethane	99		102		70-130	3		30
Bromobenzene	96		98		70-130	2		30
n-Butylbenzene	98		102		70-130	4		30
sec-Butylbenzene	97		101		70-130	4		30
tert-Butylbenzene	97		102		70-130	5		30
o-Chlorotoluene	98		101		70-130	3		30
p-Chlorotoluene	97		101		70-130	4		30
1,2-Dibromo-3-chloropropane	84		97		68-130	14		30
Hexachlorobutadiene	95		99		67-130	4		30
Isopropylbenzene	97		102		70-130	5		30
p-Isopropyltoluene	99		103		70-130	4		30
Naphthalene	94		96		70-130	2		30
Acrylonitrile	109		112		70-130	3		30
Isopropyl Ether	110		111		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 348 LANGNER RD.
Project Number: 0123-005-102

Lab Number: L1215814
Report Date: 09/07/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-08 Batch: WG559267-1 WG559267-2								
tert-Butyl Alcohol	110		111		70-130	1		30
n-Propylbenzene	97		101		70-130	4		30
1,2,3-Trichlorobenzene	95		98		70-130	3		30
1,2,4-Trichlorobenzene	96		98		70-130	2		30
1,3,5-Trimethylbenzene	99		103		70-130	4		30
1,2,4-Trimethylbenzene	99		103		70-130	4		30
Methyl Acetate	109		111		70-130	2		30
Ethyl Acetate	106		109		70-130	3		30
Acrolein	107		111		70-130	4		30
Cyclohexane	116		123		70-130	6		30
1,4-Dioxane	124		125		65-136	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	115		122		70-130	6		30
1,4-Diethylbenzene	100		104		70-130	4		30
4-Ethyltoluene	98		102		70-130	4		30
1,2,4,5-Tetramethylbenzene	101		104		70-130	3		30
Tetrahydrofuran	109		109		66-130	0		30
Ethyl ether	111		115		67-130	4		30
trans-1,4-Dichloro-2-butene	94		97		70-130	3		30
Methyl cyclohexane	112		118		70-130	5		30
Ethyl-Tert-Butyl-Ether	110		111		70-130	1		30
Tertiary-Amyl Methyl Ether	109		111		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD.

Project Number: 0123-005-102

Lab Number: L1215814

Report Date: 09/07/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-08 Batch: WG559267-1 WG559267-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		94		70-130
Toluene-d8	97		98		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	97		96		70-130

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG559316-1 WG559316-2								
Methylene chloride	121		117		70-130	3		30
1,1-Dichloroethane	104		107		70-130	3		30
Chloroform	104		105		70-130	1		30
Carbon tetrachloride	97		101		70-130	4		30
1,2-Dichloropropane	106		108		70-130	2		30
Dibromochloromethane	97		96		70-130	1		30
1,1,2-Trichloroethane	98		100		70-130	2		30
Tetrachloroethene	92		95		70-130	3		30
Chlorobenzene	97		100		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD.

Project Number: 0123-005-102

Lab Number: L1215814

Report Date: 09/07/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG559316-1 WG559316-2								
Trichlorofluoromethane	104		110		70-139	6		30
1,2-Dichloroethane	106		105		70-130	1		30
1,1,1-Trichloroethane	98		102		70-130	4		30
Bromodichloromethane	104		104		70-130	0		30
trans-1,3-Dichloropropene	98		100		70-130	2		30
cis-1,3-Dichloropropene	108		108		70-130	0		30
1,1-Dichloropropene	99		103		70-130	4		30
Bromoform	90		91		70-130	1		30
1,1,2,2-Tetrachloroethane	93		92		70-130	1		30
Benzene	105		108		70-130	3		30
Toluene	93		99		70-130	6		30
Ethylbenzene	96		100		70-130	4		30
Chloromethane	104		107		52-130	3		30
Bromomethane	118		136		57-147	14		30
Vinyl chloride	104		110		67-130	6		30
Chloroethane	113		121		50-151	7		30
1,1-Dichloroethene	98		95		65-135	3		30
trans-1,2-Dichloroethene	101		104		70-130	3		30
Trichloroethene	101		105		70-130	4		30
1,2-Dichlorobenzene	94		96		70-130	2		30
1,3-Dichlorobenzene	95		97		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD.

Project Number: 0123-005-102

Lab Number: L1215814

Report Date: 09/07/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG559316-1 WG559316-2								
1,4-Dichlorobenzene	94		96		70-130	2		30
Methyl tert butyl ether	108		106		66-130	2		30
p/m-Xylene	97		101		70-130	4		30
o-Xylene	100		104		70-130	4		30
cis-1,2-Dichloroethene	105		107		70-130	2		30
Dibromomethane	106		107		70-130	1		30
Styrene	102		105		70-130	3		30
Dichlorodifluoromethane	97		104		30-146	7		30
Acetone	117		121		54-140	3		30
Carbon disulfide	100		102		59-130	2		30
2-Butanone	103		105		70-130	2		30
Vinyl acetate	112		111		70-130	1		30
4-Methyl-2-pentanone	102		102		70-130	0		30
1,2,3-Trichloropropane	85		87		68-130	2		30
2-Hexanone	99		100		70-130	1		30
Bromochloromethane	108		113		70-130	5		30
2,2-Dichloropropane	102		105		70-130	3		30
1,2-Dibromoethane	96		97		70-130	1		30
1,3-Dichloropropane	99		100		69-130	1		30
1,1,1,2-Tetrachloroethane	96		98		70-130	2		30
Bromobenzene	93		95		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD.

Project Number: 0123-005-102

Lab Number: L1215814

Report Date: 09/07/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG559316-1 WG559316-2								
n-Butylbenzene	93		98		70-130	5		30
sec-Butylbenzene	92		96		70-130	4		30
tert-Butylbenzene	93		97		70-130	4		30
o-Chlorotoluene	95		97		70-130	2		30
p-Chlorotoluene	94		97		70-130	3		30
1,2-Dibromo-3-chloropropane	94		91		68-130	3		30
Hexachlorobutadiene	86		91		67-130	6		30
Isopropylbenzene	93		97		70-130	4		30
p-Isopropyltoluene	94		98		70-130	4		30
Naphthalene	92		92		70-130	0		30
Acrylonitrile	112		110		70-130	2		30
Isopropyl Ether	112		112		66-130	0		30
tert-Butyl Alcohol	110		110		70-130	0		30
n-Propylbenzene	93		97		70-130	4		30
1,2,3-Trichlorobenzene	91		95		70-130	4		30
1,2,4-Trichlorobenzene	92		95		70-130	3		30
1,3,5-Trimethylbenzene	95		99		70-130	4		30
1,2,4-Trimethylbenzene	96		100		70-130	4		30
Methyl Acetate	110		109		70-130	1		30
Ethyl Acetate	108		109		70-130	1		30
Acrolein	104		109		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD.

Project Number: 0123-005-102

Lab Number: L1215814

Report Date: 09/07/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG559316-1 WG559316-2								
Cyclohexane	113		119		70-130	5		30
1,4-Dioxane	120		122		65-136	2		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	111		116		70-130	4		30
1,4-Diethylbenzene	94		98		70-130	4		30
4-Ethyltoluene	94		99		70-130	5		30
1,2,4,5-Tetramethylbenzene	96		99		70-130	3		30
Tetrahydrofuran	114		111		66-130	3		30
Ethyl ether	113		114		67-130	1		30
trans-1,4-Dichloro-2-butene	94		96		70-130	2		30
Methyl cyclohexane	108		114		70-130	5		30
Ethyl-Tert-Butyl-Ether	110		110		70-130	0		30
Tertiary-Amyl Methyl Ether	109		110		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		95		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	99		101		70-130
Dibromofluoromethane	98		97		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: 348 LANGNER RD.
Project Number: 0123-005-102

Lab Number: L1215814
Report Date: 09/07/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-08 QC Batch ID: WG559267-4 WG559267-5 QC Sample: L1215814-01 Client ID: UST AREA 2 BOTTOM 1												
Methylene chloride	ND	59.5	68	114		70	117		70-130	3		30
1,1-Dichloroethane	ND	59.5	64	107		65	109		70-130	2		30
Chloroform	ND	59.5	62	103		63	106		70-130	2		30
Carbon tetrachloride	ND	59.5	59	98		59	100		70-130	1		30
1,2-Dichloropropane	ND	59.5	63	106		64	107		70-130	1		30
Dibromochloromethane	ND	59.5	54	91		55	92		70-130	2		30
1,1,2-Trichloroethane	ND	59.5	57	95		59	98		70-130	3		30
Tetrachloroethene	ND	59.5	52	87		51	86		70-130	1		30
Chlorobenzene	ND	59.5	53	88		53	88		70-130	0		30
Trichlorofluoromethane	ND	59.5	59	99		60	101		70-139	2		30
1,2-Dichloroethane	ND	59.5	60	101		63	105		70-130	4		30
1,1,1-Trichloroethane	ND	59.5	60	101		61	103		70-130	2		30
Bromodichloromethane	ND	59.5	59	99		61	102		70-130	3		30
trans-1,3-Dichloropropene	ND	59.5	55	93		56	94		70-130	1		30
cis-1,3-Dichloropropene	ND	59.5	60	101		62	103		70-130	2		30
1,1-Dichloropropene	ND	59.5	58	97		59	99		70-130	2		30
Bromoform	ND	59.5	51	85		52	88		70-130	4		30
1,1,2,2-Tetrachloroethane	ND	59.5	48	80		49	83		70-130	3		30
Benzene	ND	59.5	63	106		64	108		70-130	2		30
Toluene	3.2J	59.5	58	97		57	95		70-130	2		30
Ethylbenzene	1.8J	59.5	55	93		55	92		70-130	0		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 348 LANGNER RD.
Project Number: 0123-005-102

Lab Number: L1215814
Report Date: 09/07/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-08 QC Batch ID: WG559267-4 WG559267-5 QC Sample: L1215814-01 Client ID: UST AREA 2 BOTTOM 1												
Chloromethane	ND	59.5	63	106		65	109		52-130	2		30
Bromomethane	ND	59.5	82	137		76	127		57-147	8		30
Vinyl chloride	ND	59.5	66	110		66	111		67-130	1		30
Chloroethane	ND	59.5	71	120		73	122		50-151	2		30
1,1-Dichloroethene	ND	59.5	62	104		62	104		65-135	0		30
trans-1,2-Dichloroethene	ND	59.5	62	103		63	106		70-130	2		30
Trichloroethene	ND	59.5	62	104		63	106		70-130	2		30
1,2-Dichlorobenzene	ND	59.5	44	73		44	73		70-130	0		30
1,3-Dichlorobenzene	ND	59.5	44	73		44	73		70-130	0		30
1,4-Dichlorobenzene	ND	59.5	43	72		43	73		70-130	1		30
Methyl tert butyl ether	ND	59.5	65	108		67	113		66-130	4		30
p/m-Xylene	4.9J	119	110	92		110	92		70-130	0		30
o-Xylene	2.0J	119	110	93		110	93		70-130	0		30
cis-1,2-Dichloroethene	ND	59.5	63	106		64	107		70-130	2		30
Dibromomethane	ND	59.5	62	104		63	105		70-130	1		30
Styrene	ND	119	110	90		110	90		70-130	0		30
Dichlorodifluoromethane	ND	59.5	50	84		50	84		30-146	1		30
Acetone	ND	59.5	69	115		76	128		54-140	10		30
Carbon disulfide	ND	59.5	61	102		61	103		59-130	1		30
2-Butanone	ND	59.5	62	103		63	106		70-130	3		30
Vinyl acetate	ND	59.5	48	80		47	80		70-130	1		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 348 LANGNER RD.
Project Number: 0123-005-102

Lab Number: L1215814
Report Date: 09/07/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-08 QC Batch ID: WG559267-4 WG559267-5 QC Sample: L1215814-01 Client ID: UST AREA 2 BOTTOM 1												
4-Methyl-2-pentanone	ND	59.5	60	100		62	105		70-130	4		30
1,2,3-Trichloropropane	ND	59.5	44	75		47	78		68-130	5		30
2-Hexanone	ND	59.5	55	93		60	101		70-130	8		30
Bromochloromethane	ND	59.5	64	107		66	110		70-130	3		30
2,2-Dichloropropane	ND	59.5	62	104		62	104		70-130	0		30
1,2-Dibromoethane	ND	59.5	54	90		55	92		70-130	2		30
1,3-Dichloropropane	ND	59.5	57	95		57	96		69-130	1		30
1,1,1,2-Tetrachloroethane	ND	59.5	55	93		56	94		70-130	1		30
Bromobenzene	ND	59.5	49	82		49	82		70-130	0		30
n-Butylbenzene	ND	59.5	42	71		42	70		70-130	2		30
sec-Butylbenzene	ND	59.5	46	78		46	77		70-130	1		30
tert-Butylbenzene	ND	59.5	50	84		49	82		70-130	2		30
o-Chlorotoluene	ND	59.5	49	83		49	82		70-130	1		30
p-Chlorotoluene	ND	59.5	47	79		47	79		70-130	0		30
1,2-Dibromo-3-chloropropane	ND	59.5	47	79		50	84		68-130	6		30
Hexachlorobutadiene	ND	59.5	38	**63**	Q	36	**60**	Q	67-130	5		30
Isopropylbenzene	ND	59.5	51	86		52	87		70-130	1		30
p-Isopropyltoluene	ND	59.5	47	78		46	77		70-130	2		30
Naphthalene	ND	59.5	39	**66**	Q	40	**67**	Q	70-130	2		30
Acrylonitrile	ND	59.5	64	107		68	114		70-130	6		30
n-Propylbenzene	ND	59.5	49	82		48	81		70-130	1		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 348 LANGNER RD.
Project Number: 0123-005-102

Lab Number: L1215814
Report Date: 09/07/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-08 QC Batch ID: WG559267-4 WG559267-5 QC Sample: L1215814-01 Client ID: UST AREA 2 BOTTOM 1												
1,2,3-Trichlorobenzene	ND	59.5	35	**58**	Q	35	**58**	Q	70-130	1		30
1,2,4-Trichlorobenzene	ND	59.5	35	**58**	Q	35	**59**	Q	70-130	1		30
1,3,5-Trimethylbenzene	ND	59.5	51	85		50	84		70-130	1		30
1,2,4-Trimethylbenzene	3.0J	59.5	53	88		52	88		70-130	1		30
1,4-Dioxane	ND	2980	3300	112		3600	120		65-136	7		30
1,4-Diethylbenzene	ND	59.5	45	75		44	74		70-130	2		30
4-Ethyltoluene	1.6J	59.5	51	85		50	84		70-130	1		30
1,2,4,5-Tetramethylbenzene	ND	59.5	44	74		44	73		70-130	1		30
Ethyl ether	ND	59.5	66	112		69	115		67-130	3		30
trans-1,4-Dichloro-2-butene	ND	59.5	50	84		50	83		70-130	0		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		95		70-130
4-Bromofluorobenzene	103		104		70-130
Dibromofluoromethane	96		97		70-130
Toluene-d8	98		98		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: 348 LANGNER RD.
Project Number: 0123-005-102

Lab Number: L1215814
Report Date: 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-01
Client ID: UST AREA 2 BOTTOM 1
Sample Location: 348 LANGNER RD.
Matrix: Soil

Date Collected: 09/05/12 09:15
Date Received: 09/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	09/06/12 00:50	30,2540G	RD

Project Name: 348 LANGNER RD.
Project Number: 0123-005-102

Lab Number: L1215814
Report Date: 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-02
Client ID: UST AREA 2 BOTTOM 2
Sample Location: 348 LANGNER RD.
Matrix: Soil

Date Collected: 09/05/12 09:30
Date Received: 09/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83		%	0.10	NA	1	-	09/06/12 00:50	30,2540G	RD

Project Name: 348 LANGNER RD.
Project Number: 0123-005-102

Lab Number: L1215814
Report Date: 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-03
Client ID: UST AREA 2 BLIND DUP
Sample Location: 348 LANGNER RD.
Matrix: Soil

Date Collected: 09/05/12 08:00
Date Received: 09/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83		%	0.10	NA	1	-	09/06/12 00:50	30,2540G	RD

Project Name: 348 LANGNER RD.
Project Number: 0123-005-102

Lab Number: L1215814
Report Date: 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-04
Client ID: UST AREA 2 NORTH WALL 1
Sample Location: 348 LANGNER RD.
Matrix: Soil

Date Collected: 09/05/12 10:15
Date Received: 09/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77		%	0.10	NA	1	-	09/06/12 00:50	30,2540G	RD

Project Name: 348 LANGNER RD.
Project Number: 0123-005-102

Lab Number: L1215814
Report Date: 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-05
Client ID: UST AREA 2 NORTH WALL 2
Sample Location: 348 LANGNER RD.
Matrix: Soil

Date Collected: 09/05/12 10:00
Date Received: 09/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75		%	0.10	NA	1	-	09/06/12 00:50	30,2540G	RD

Project Name: 348 LANGNER RD.
Project Number: 0123-005-102

Lab Number: L1215814
Report Date: 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-06
Client ID: UST AREA 2 EAST WALL 1
Sample Location: 348 LANGNER RD.
Matrix: Soil

Date Collected: 09/05/12 10:30
Date Received: 09/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75		%	0.10	NA	1	-	09/06/12 00:50	30,2540G	RD

Project Name: 348 LANGNER RD.
Project Number: 0123-005-102

Lab Number: L1215814
Report Date: 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-07
Client ID: UST AREA 2 EAST WALL 2
Sample Location: 348 LANGNER RD.
Matrix: Soil

Date Collected: 09/05/12 11:00
Date Received: 09/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74		%	0.10	NA	1	-	09/06/12 00:50	30,2540G	RD

Project Name: 348 LANGNER RD.
Project Number: 0123-005-102

Lab Number: L1215814
Report Date: 09/07/12

SAMPLE RESULTS

Lab ID: L1215814-08
Client ID: UST AREA 2 WEST WALL 1
Sample Location: 348 LANGNER RD.
Matrix: Soil

Date Collected: 09/05/12 15:00
Date Received: 09/05/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78		%	0.10	NA	1	-	09/06/12 00:50	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: 348 LANGNER RD.
Project Number: 0123-005-102

Lab Number: L1215814
Report Date: 09/07/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG558983-1 QC Sample: L1215800-01 Client ID: DUP Sample						
Solids, Total	80.	79	%	1		20

Project Name: 348 LANGNER RD.
Project Number: 0123-005-102

Lab Number: L1215814
Report Date: 09/07/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1215814-01A	Amber 120ml unpreserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1215814-01B	Amber 120ml unpreserved	A	N/A	3	Y	Absent	TS(7)
L1215814-01C	Amber 120ml unpreserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1215814-02A	Amber 120ml unpreserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1215814-02B	Plastic 2oz unpreserved for TS s	A	N/A	3	Y	Absent	TS(7)
L1215814-03A	Amber 120ml unpreserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1215814-03B	Plastic 2oz unpreserved for TS s	A	N/A	3	Y	Absent	TS(7)
L1215814-04A	Amber 120ml unpreserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1215814-04B	Plastic 2oz unpreserved for TS s	A	N/A	3	Y	Absent	TS(7)
L1215814-05A	Amber 120ml unpreserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1215814-05B	Plastic 2oz unpreserved for TS s	A	N/A	3	Y	Absent	TS(7)
L1215814-06A	Amber 120ml unpreserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1215814-06B	Plastic 2oz unpreserved for TS s	A	N/A	3	Y	Absent	TS(7)
L1215814-07A	Amber 120ml unpreserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1215814-07B	Plastic 2oz unpreserved for TS s	A	N/A	3	Y	Absent	TS(7)
L1215814-08A	Amber 120ml unpreserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1215814-08B	Plastic 2oz unpreserved for TS s	A	N/A	3	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name:	348 LANGNER RD.	**Lab Number:**	L1215814
Project Number:	0123-005-102	**Report Date:**	09/07/12

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD.	**Lab Number:**	L1215814
Project Number:	0123-005-102	**Report Date:**	09/07/12

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD.	**Lab Number:**	L1215814
Project Number:	0123-005-102	**Report Date:**	09/07/12

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 16, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8082, 8330, 8151A, 8260B, 8270C, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9030B, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7

for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010B, 6010C, 6020, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9030B, 9040B, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082, 8082A, 8081A, 8081B, 8151A, 8330, 8270C-SIM, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 6010C, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050, 9065,1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082, 8082A, 8081A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, 2540G, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012A, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C, 3546, 3580, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7471A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 245.2, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 3501., 350.2, 353.2, 420.1, 6010B, 6010C, 6020, 6020A, 7196A, 7470A, 9010B, 9030B, 9040B, Lachat 10-107-06-2-D, NJ-EPH, 2120B, 2310B, 2320B, 2340B, 2510C, 2540B, 2540C, 3500Cr-D, 436C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330, 8015B,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010B, 6010C, 6020A, 7196A, 7471A, 7471B, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 2..08, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5035, 3540C, 3546, 3550, 3580, 3630C, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9-5-12

ALPHA Job #: L1215814

Client Information

Client: Turnkey
Address: 2558 Hamburg Turnpike
Buffalo NY 14218
Phone: (716) 856-0599
Fax: (716) 856-0583
Email:
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 348 Longner Rd
Project Location: 348 Longner Rd
Project #: 0123-005-102
Project Manager: Mike Lesakowski
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)
Date Due: 2 day Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: CAT-B Criteria:

Other Project Specific Requirements/Comments/Detection Limits:

CAT-B

ANALYSIS: TCL VOC + STARS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC + STARS	Sample Specific Comments	TOTAL # BOTTLES
15814-1	Vst Area 2 Bottom 1 (MS/MSD)	9-5-12	9:15	Soil	PWW	X		3
2	Vst area 2 Bottom 2		930			X		1
3	Vst area 2 Blind Dup		800			X		1
4	VST area 2 Northwall 1		1015			X		1
5	VST area 2 Northwall 2		1000			X		1
6	VST area 2 Eastwall 1		1030			X		1
7	Vst area 2 Eastwall 2		1100			X		1
8	Vst area 2 westwall 1		1500			X		1

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	9-5-12 1610		9-5-12 1610
	9-5-12 1850		9-5-12 1850
	9-5-12 2333		9-5-12 2333

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1214975
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	348 LANGNER RD
Project Number:	0123-005-102
Report Date:	08/23/12

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214975
Report Date: 08/23/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1214975-01	WEST EXCAVATION BOTTOM 1	348 LANGNER RD	08/21/12 15:30
L1214975-02	WEST EXCAVATION NORTH WALL 1	348 LANGNER RD	08/21/12 15:10
L1214975-03	WEST EXCAVATION SOUTH WALL 1	348 LANGNER RD	08/21/12 15:15
L1214975-04	WEST EXCAVATION EAST WALL 1	348 LANGNER RD	08/21/12 15:40
L1214975-05	WEST EXCAVATION WEST WALL 1	348 LANGNER RD	08/21/12 15:50

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214975
Report Date: 08/23/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 348 LANGNER RD
Project Number: 0123-005-102
Lab Number: L1214975
Report Date: 08/23/12

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 08/23/12

ORGANICS

VOLATILES

Project Name: 348 LANGNER RD **Lab Number:** L1214975

Project Number: 0123-005-102 **Report Date:** 08/23/12

SAMPLE RESULTS

Lab ID: L1214975-01
Client ID: WEST EXCAVATION BOTTOM 1
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/12 09:28
Analyst: BN
Percent Solids: 86%

Date Collected: 08/21/12 15:30
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	29	5.8	1
1,1-Dichloroethane	ND		ug/kg	4.4	0.86	1
Chloroform	ND		ug/kg	4.4	0.94	1
Carbon tetrachloride	ND		ug/kg	2.9	0.61	1
1,2-Dichloropropane	ND		ug/kg	10	0.74	1
Dibromochloromethane	ND		ug/kg	2.9	0.89	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	1.1	1
Tetrachloroethene	ND		ug/kg	2.9	0.89	1
Chlorobenzene	ND		ug/kg	2.9	0.54	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	ND		ug/kg	2.9	0.66	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	0.78	1
Bromodichloromethane	ND		ug/kg	2.9	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	0.87	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	0.78	1
1,1-Dichloropropene	ND		ug/kg	14	1.3	1
Bromoform	ND		ug/kg	12	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	0.70	1
Benzene	ND		ug/kg	2.9	0.86	1
Toluene	ND		ug/kg	4.4	0.70	1
Ethylbenzene	ND		ug/kg	2.9	0.64	1
Chloromethane	ND		ug/kg	14	2.3	1
Bromomethane	ND		ug/kg	5.8	1.9	1
Vinyl chloride	ND		ug/kg	5.8	2.2	1
Chloroethane	ND		ug/kg	5.8	1.3	1
1,1-Dichloroethene	ND		ug/kg	2.9	0.76	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	1.1	1
Trichloroethene	ND		ug/kg	2.9	0.65	1
1,2-Dichlorobenzene	ND		ug/kg	14	1.0	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.2	1

Project Name: 348 LANGNER RD **Lab Number:** L1214975

Project Number: 0123-005-102 **Report Date:** 08/23/12

SAMPLE RESULTS

Lab ID: L1214975-01 Date Collected: 08/21/12 15:30

Client ID: WEST EXCAVATION BOTTOM 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.8	1.4	1
p/m-Xylene	ND		ug/kg	5.8	1.2	1
o-Xylene	ND		ug/kg	5.8	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	0.88	1
Dibromomethane	ND		ug/kg	29	1.3	1
Styrene	ND		ug/kg	5.8	2.1	1
Dichlorodifluoromethane	ND		ug/kg	29	1.1	1
Acetone	ND		ug/kg	29	9.4	1
Carbon disulfide	ND		ug/kg	29	1.1	1
2-Butanone	ND		ug/kg	29	11.	1
Vinyl acetate	ND		ug/kg	29	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	29	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	29	1.1	1
2-Hexanone	ND		ug/kg	29	1.2	1
Bromochloromethane	ND		ug/kg	14	0.88	1
2,2-Dichloropropane	ND		ug/kg	14	2.3	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.95	1
Bromobenzene	ND		ug/kg	14	0.64	1
n-Butylbenzene	ND		ug/kg	2.9	0.91	1
sec-Butylbenzene	ND		ug/kg	2.9	0.80	1
tert-Butylbenzene	ND		ug/kg	14	1.8	1
o-Chlorotoluene	ND		ug/kg	14	0.91	1
p-Chlorotoluene	ND		ug/kg	14	1.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.4	1
Hexachlorobutadiene	ND		ug/kg	14	1.3	1
Isopropylbenzene	ND		ug/kg	2.9	0.51	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.79	1
Naphthalene	ND		ug/kg	14	2.2	1
Acrylonitrile	ND		ug/kg	29	1.1	1
n-Propylbenzene	ND		ug/kg	2.9	0.82	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,4-Dioxane	ND		ug/kg	290	50.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.58	1
4-Ethyltoluene	ND		ug/kg	12	0.28	1

Project Name: 348 LANGNER RD **Lab Number:** L1214975

Project Number: 0123-005-102 **Report Date:** 08/23/12

SAMPLE RESULTS

Lab ID: L1214975-01 Date Collected: 08/21/12 15:30

Client ID: WEST EXCAVATION BOTTOM 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.53	1
Ethyl ether	ND		ug/kg	14	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	84		70-130
4-Bromofluorobenzene	80		70-130
Dibromofluoromethane	95		70-130

Project Name: 348 LANGNER RD **Lab Number:** L1214975

Project Number: 0123-005-102 **Report Date:** 08/23/12

SAMPLE RESULTS

Lab ID: L1214975-02
Client ID: WEST EXCAVATION NORTH WALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/12 10:02
Analyst: BN
Percent Solids: 80%

Date Collected: 08/21/12 15:10
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	31	6.2	1
1,1-Dichloroethane	ND		ug/kg	4.7	0.92	1
Chloroform	ND		ug/kg	4.7	1.0	1
Carbon tetrachloride	ND		ug/kg	3.1	0.66	1
1,2-Dichloropropane	ND		ug/kg	11	0.80	1
Dibromochloromethane	ND		ug/kg	3.1	0.96	1
1,1,2-Trichloroethane	ND		ug/kg	4.7	1.2	1
Tetrachloroethene	ND		ug/kg	3.1	0.96	1
Chlorobenzene	ND		ug/kg	3.1	0.58	1
Trichlorofluoromethane	ND		ug/kg	16	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.1	0.71	1
1,1,1-Trichloroethane	ND		ug/kg	3.1	0.84	1
Bromodichloromethane	ND		ug/kg	3.1	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.1	0.94	1
cis-1,3-Dichloropropene	ND		ug/kg	3.1	0.84	1
1,1-Dichloropropene	ND		ug/kg	16	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.1	0.75	1
Benzene	ND		ug/kg	3.1	0.93	1
Toluene	ND		ug/kg	4.7	0.76	1
Ethylbenzene	ND		ug/kg	3.1	0.69	1
Chloromethane	ND		ug/kg	16	2.4	1
Bromomethane	ND		ug/kg	6.2	2.0	1
Vinyl chloride	ND		ug/kg	6.2	2.4	1
Chloroethane	ND		ug/kg	6.2	1.4	1
1,1-Dichloroethene	ND		ug/kg	3.1	0.81	1
trans-1,2-Dichloroethene	ND		ug/kg	4.7	1.2	1
Trichloroethene	ND		ug/kg	3.1	0.70	1
1,2-Dichlorobenzene	ND		ug/kg	16	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	16	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	16	1.3	1

Project Name: 348 LANGNER RD **Lab Number:** L1214975

Project Number: 0123-005-102 **Report Date:** 08/23/12

SAMPLE RESULTS

Lab ID: L1214975-02 Date Collected: 08/21/12 15:10

Client ID: WEST EXCAVATION NORTH WALL 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.2	1.5	1
p/m-Xylene	ND		ug/kg	6.2	1.3	1
o-Xylene	ND		ug/kg	6.2	1.3	1
cis-1,2-Dichloroethene	ND		ug/kg	3.1	0.94	1
Dibromomethane	ND		ug/kg	31	1.4	1
Styrene	ND		ug/kg	6.2	2.3	1
Dichlorodifluoromethane	ND		ug/kg	31	1.2	1
Acetone	57		ug/kg	31	10.	1
Carbon disulfide	ND		ug/kg	31	1.2	1
2-Butanone	ND		ug/kg	31	12.	1
Vinyl acetate	ND		ug/kg	31	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	31	2.6	1
1,2,3-Trichloropropane	ND		ug/kg	31	1.2	1
2-Hexanone	ND		ug/kg	31	1.2	1
Bromochloromethane	ND		ug/kg	16	0.94	1
2,2-Dichloropropane	ND		ug/kg	16	2.5	1
1,2-Dibromoethane	ND		ug/kg	12	1.3	1
1,3-Dichloropropane	ND		ug/kg	16	1.8	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.1	1.0	1
Bromobenzene	ND		ug/kg	16	0.69	1
n-Butylbenzene	ND		ug/kg	3.1	0.98	1
sec-Butylbenzene	ND		ug/kg	3.1	0.86	1
tert-Butylbenzene	ND		ug/kg	16	1.9	1
o-Chlorotoluene	ND		ug/kg	16	0.98	1
p-Chlorotoluene	ND		ug/kg	16	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	16	2.6	1
Hexachlorobutadiene	ND		ug/kg	16	1.4	1
Isopropylbenzene	ND		ug/kg	3.1	0.55	1
p-Isopropyltoluene	ND		ug/kg	3.1	0.85	1
Naphthalene	ND		ug/kg	16	2.4	1
Acrylonitrile	ND		ug/kg	31	1.2	1
n-Propylbenzene	ND		ug/kg	3.1	0.89	1
1,2,3-Trichlorobenzene	ND		ug/kg	16	1.3	1
1,2,4-Trichlorobenzene	ND		ug/kg	16	2.5	1
1,3,5-Trimethylbenzene	ND		ug/kg	16	1.9	1
1,2,4-Trimethylbenzene	ND		ug/kg	16	1.8	1
1,4-Dioxane	ND		ug/kg	310	54.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.62	1
4-Ethyltoluene	ND		ug/kg	12	0.30	1

Project Name: 348 LANGNER RD **Lab Number:** L1214975

Project Number: 0123-005-102 **Report Date:** 08/23/12

SAMPLE RESULTS

Lab ID: L1214975-02 Date Collected: 08/21/12 15:10

Client ID: WEST EXCAVATION NORTH WALL 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.56	1
Ethyl ether	ND		ug/kg	16	1.2	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	16	4.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	78		70-130
Dibromofluoromethane	97		70-130

Project Name: 348 LANGNER RD **Lab Number:** L1214975

Project Number: 0123-005-102 **Report Date:** 08/23/12

SAMPLE RESULTS

Lab ID: L1214975-03
Client ID: WEST EXCAVATION SOUTH WALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/12 10:37
Analyst: BN
Percent Solids: 84%

Date Collected: 08/21/12 15:15
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	30	6.0	1
1,1-Dichloroethane	ND		ug/kg	4.5	0.88	1
Chloroform	ND		ug/kg	4.5	0.97	1
Carbon tetrachloride	ND		ug/kg	3.0	0.63	1
1,2-Dichloropropane	ND		ug/kg	10	0.76	1
Dibromochloromethane	ND		ug/kg	3.0	0.92	1
1,1,2-Trichloroethane	ND		ug/kg	4.5	1.2	1
Tetrachloroethene	ND		ug/kg	3.0	0.91	1
Chlorobenzene	ND		ug/kg	3.0	0.55	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.0	0.68	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.80	1
Bromodichloromethane	ND		ug/kg	3.0	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.89	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.80	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.71	1
Benzene	ND		ug/kg	3.0	0.88	1
Toluene	ND		ug/kg	4.5	0.72	1
Ethylbenzene	ND		ug/kg	3.0	0.66	1
Chloromethane	ND		ug/kg	15	2.3	1
Bromomethane	ND		ug/kg	6.0	1.9	1
Vinyl chloride	ND		ug/kg	6.0	2.2	1
Chloroethane	ND		ug/kg	6.0	1.3	1
1,1-Dichloroethene	ND		ug/kg	3.0	0.77	1
trans-1,2-Dichloroethene	ND		ug/kg	4.5	1.2	1
Trichloroethene	ND		ug/kg	3.0	0.67	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.2	1

Project Name: 348 LANGNER RD **Lab Number:** L1214975

Project Number: 0123-005-102 **Report Date:** 08/23/12

SAMPLE RESULTS

Lab ID: L1214975-03 Date Collected: 08/21/12 15:15

Client ID: WEST EXCAVATION SOUTH WALL 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.0	1.4	1
p/m-Xylene	ND		ug/kg	6.0	1.3	1
o-Xylene	ND		ug/kg	6.0	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.90	1
Dibromomethane	ND		ug/kg	30	1.3	1
Styrene	ND		ug/kg	6.0	2.2	1
Dichlorodifluoromethane	ND		ug/kg	30	1.2	1
Acetone	ND		ug/kg	30	9.6	1
Carbon disulfide	ND		ug/kg	30	1.1	1
2-Butanone	ND		ug/kg	30	12.	1
Vinyl acetate	ND		ug/kg	30	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	30	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	30	1.2	1
2-Hexanone	ND		ug/kg	30	1.2	1
Bromochloromethane	ND		ug/kg	15	0.90	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	0.98	1
Bromobenzene	ND		ug/kg	15	0.66	1
n-Butylbenzene	ND		ug/kg	3.0	0.94	1
sec-Butylbenzene	ND		ug/kg	3.0	0.82	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.93	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	ND		ug/kg	3.0	0.53	1
p-Isopropyltoluene	ND		ug/kg	3.0	0.81	1
Naphthalene	ND		ug/kg	15	2.3	1
Acrylonitrile	ND		ug/kg	30	1.1	1
n-Propylbenzene	ND		ug/kg	3.0	0.84	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.7	1
1,4-Dioxane	ND		ug/kg	300	52.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.60	1
4-Ethyltoluene	ND		ug/kg	12	0.29	1

Project Name: 348 LANGNER RD **Lab Number:** L1214975

Project Number: 0123-005-102 **Report Date:** 08/23/12

SAMPLE RESULTS

Lab ID: L1214975-03 Date Collected: 08/21/12 15:15

Client ID: WEST EXCAVATION SOUTH WALL 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.54	1
Ethyl ether	ND		ug/kg	15	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	79		70-130
Dibromofluoromethane	98		70-130

Project Name: 348 LANGNER RD **Lab Number:** L1214975

Project Number: 0123-005-102 **Report Date:** 08/23/12

SAMPLE RESULTS

Lab ID: L1214975-04
Client ID: WEST EXCAVATION EAST WALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/12 11:11
Analyst: BN
Percent Solids: 88%

Date Collected: 08/21/12 15:40
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	28	5.7	1
1,1-Dichloroethane	ND		ug/kg	4.3	0.84	1
Chloroform	ND		ug/kg	4.3	0.92	1
Carbon tetrachloride	ND		ug/kg	2.8	0.60	1
1,2-Dichloropropane	ND		ug/kg	9.9	0.72	1
Dibromochloromethane	ND		ug/kg	2.8	0.87	1
1,1,2-Trichloroethane	ND		ug/kg	4.3	1.1	1
Tetrachloroethene	ND		ug/kg	2.8	0.87	1
Chlorobenzene	ND		ug/kg	2.8	0.53	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	ND		ug/kg	2.8	0.65	1
1,1,1-Trichloroethane	ND		ug/kg	2.8	0.77	1
Bromodichloromethane	ND		ug/kg	2.8	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.8	0.85	1
cis-1,3-Dichloropropene	ND		ug/kg	2.8	0.76	1
1,1-Dichloropropene	ND		ug/kg	14	1.3	1
Bromoform	ND		ug/kg	11	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.8	0.68	1
Benzene	ND		ug/kg	2.8	0.84	1
Toluene	ND		ug/kg	4.3	0.69	1
Ethylbenzene	ND		ug/kg	2.8	0.63	1
Chloromethane	ND		ug/kg	14	2.2	1
Bromomethane	ND		ug/kg	5.7	1.8	1
Vinyl chloride	ND		ug/kg	5.7	2.1	1
Chloroethane	ND		ug/kg	5.7	1.2	1
1,1-Dichloroethene	ND		ug/kg	2.8	0.74	1
trans-1,2-Dichloroethene	ND		ug/kg	4.3	1.1	1
Trichloroethene	ND		ug/kg	2.8	0.64	1
1,2-Dichlorobenzene	ND		ug/kg	14	1.0	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.1	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.2	1

Project Name: 348 LANGNER RD **Lab Number:** L1214975

Project Number: 0123-005-102 **Report Date:** 08/23/12

SAMPLE RESULTS

Lab ID: L1214975-04 Date Collected: 08/21/12 15:40

Client ID: WEST EXCAVATION EAST WALL 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.7	1.4	1
p/m-Xylene	ND		ug/kg	5.7	1.2	1
o-Xylene	ND		ug/kg	5.7	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.8	0.86	1
Dibromomethane	ND		ug/kg	28	1.2	1
Styrene	ND		ug/kg	5.7	2.1	1
Dichlorodifluoromethane	ND		ug/kg	28	1.1	1
Acetone	ND		ug/kg	28	9.2	1
Carbon disulfide	ND		ug/kg	28	1.1	1
2-Butanone	ND		ug/kg	28	11.	1
Vinyl acetate	ND		ug/kg	28	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	28	2.3	1
1,2,3-Trichloropropane	ND		ug/kg	28	1.1	1
2-Hexanone	ND		ug/kg	28	1.1	1
Bromochloromethane	ND		ug/kg	14	0.86	1
2,2-Dichloropropane	ND		ug/kg	14	2.2	1
1,2-Dibromoethane	ND		ug/kg	11	1.2	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.8	0.93	1
Bromobenzene	ND		ug/kg	14	0.62	1
n-Butylbenzene	ND		ug/kg	2.8	0.89	1
sec-Butylbenzene	ND		ug/kg	2.8	0.78	1
tert-Butylbenzene	ND		ug/kg	14	1.7	1
o-Chlorotoluene	ND		ug/kg	14	0.89	1
p-Chlorotoluene	ND		ug/kg	14	1.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.4	1
Hexachlorobutadiene	ND		ug/kg	14	1.3	1
Isopropylbenzene	ND		ug/kg	2.8	0.50	1
p-Isopropyltoluene	ND		ug/kg	2.8	0.78	1
Naphthalene	ND		ug/kg	14	2.2	1
Acrylonitrile	ND		ug/kg	28	1.1	1
n-Propylbenzene	ND		ug/kg	2.8	0.81	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.1	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.6	1
1,4-Dioxane	ND		ug/kg	280	49.	1
1,4-Diethylbenzene	ND		ug/kg	11	0.57	1
4-Ethyltoluene	ND		ug/kg	11	0.28	1

Project Name: 348 LANGNER RD **Lab Number:** L1214975

Project Number: 0123-005-102 **Report Date:** 08/23/12

SAMPLE RESULTS

Lab ID: L1214975-04 Date Collected: 08/21/12 15:40

Client ID: WEST EXCAVATION EAST WALL 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	0.51	1
Ethyl ether	ND		ug/kg	14	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	84		70-130
4-Bromofluorobenzene	77		70-130
Dibromofluoromethane	101		70-130

Project Name: 348 LANGNER RD **Lab Number:** L1214975

Project Number: 0123-005-102 **Report Date:** 08/23/12

SAMPLE RESULTS

Lab ID: L1214975-05
Client ID: WEST EXCAVATION WEST WALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/12 11:46
Analyst: BN
Percent Solids: 85%

Date Collected: 08/21/12 15:50
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	29	5.9	1
1,1-Dichloroethane	ND		ug/kg	4.4	0.87	1
Chloroform	ND		ug/kg	4.4	0.95	1
Carbon tetrachloride	ND		ug/kg	2.9	0.62	1
1,2-Dichloropropane	ND		ug/kg	10	0.75	1
Dibromochloromethane	ND		ug/kg	2.9	0.90	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	1.2	1
Tetrachloroethene	ND		ug/kg	2.9	0.90	1
Chlorobenzene	ND		ug/kg	2.9	0.55	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	2.9	0.67	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	0.79	1
Bromodichloromethane	ND		ug/kg	2.9	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	0.88	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	0.78	1
1,1-Dichloropropene	ND		ug/kg	15	1.3	1
Bromoform	ND		ug/kg	12	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	0.71	1
Benzene	ND		ug/kg	2.9	0.87	1
Toluene	ND		ug/kg	4.4	0.71	1
Ethylbenzene	ND		ug/kg	2.9	0.65	1
Chloromethane	ND		ug/kg	15	2.3	1
Bromomethane	ND		ug/kg	5.9	1.9	1
Vinyl chloride	ND		ug/kg	5.9	2.2	1
Chloroethane	ND		ug/kg	5.9	1.3	1
1,1-Dichloroethene	ND		ug/kg	2.9	0.76	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	1.2	1
Trichloroethene	ND		ug/kg	2.9	0.66	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.2	1

Project Name: 348 LANGNER RD **Lab Number:** L1214975

Project Number: 0123-005-102 **Report Date:** 08/23/12

SAMPLE RESULTS

Lab ID: L1214975-05 Date Collected: 08/21/12 15:50

Client ID: WEST EXCAVATION WEST WALL 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.9	1.4	1
p/m-Xylene	ND		ug/kg	5.9	1.3	1
o-Xylene	ND		ug/kg	5.9	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	0.89	1
Dibromomethane	ND		ug/kg	29	1.3	1
Styrene	ND		ug/kg	5.9	2.1	1
Dichlorodifluoromethane	ND		ug/kg	29	1.1	1
Acetone	ND		ug/kg	29	9.5	1
Carbon disulfide	ND		ug/kg	29	1.1	1
2-Butanone	ND		ug/kg	29	11.	1
Vinyl acetate	ND		ug/kg	29	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	29	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	29	1.1	1
2-Hexanone	ND		ug/kg	29	1.2	1
Bromochloromethane	ND		ug/kg	15	0.89	1
2,2-Dichloropropane	ND		ug/kg	15	2.3	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.96	1
Bromobenzene	ND		ug/kg	15	0.65	1
n-Butylbenzene	ND		ug/kg	2.9	0.92	1
sec-Butylbenzene	ND		ug/kg	2.9	0.81	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.92	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.3	1
Isopropylbenzene	ND		ug/kg	2.9	0.52	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.80	1
Naphthalene	ND		ug/kg	15	2.3	1
Acrylonitrile	ND		ug/kg	29	1.1	1
n-Propylbenzene	ND		ug/kg	2.9	0.84	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.7	1
1,4-Dioxane	ND		ug/kg	290	51.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.59	1
4-Ethyltoluene	ND		ug/kg	12	0.28	1

Project Name: 348 LANGNER RD **Lab Number:** L1214975

Project Number: 0123-005-102 **Report Date:** 08/23/12

SAMPLE RESULTS

Lab ID: L1214975-05 Date Collected: 08/21/12 15:50

Client ID: WEST EXCAVATION WEST WALL 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.53	1
Ethyl ether	ND		ug/kg	15	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	82		70-130
4-Bromofluorobenzene	78		70-130
Dibromofluoromethane	100		70-130

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214975
Report Date: 08/23/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/12 08:19
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG556636-3					
Methylene chloride	ND		ug/kg	25	5.0
1,1-Dichloroethane	ND		ug/kg	3.8	0.74
Chloroform	ND		ug/kg	3.8	0.81
Carbon tetrachloride	ND		ug/kg	2.5	0.53
1,2-Dichloropropane	ND		ug/kg	8.8	0.64
Dibromochloromethane	ND		ug/kg	2.5	0.77
1,1,2-Trichloroethane	ND		ug/kg	3.8	0.98
Tetrachloroethene	ND		ug/kg	2.5	0.76
Chlorobenzene	ND		ug/kg	2.5	0.46
Trichlorofluoromethane	ND		ug/kg	12	0.98
1,2-Dichloroethane	ND		ug/kg	2.5	0.57
1,1,1-Trichloroethane	ND		ug/kg	2.5	0.67
Bromodichloromethane	ND		ug/kg	2.5	0.96
trans-1,3-Dichloropropene	ND		ug/kg	2.5	0.75
cis-1,3-Dichloropropene	ND		ug/kg	2.5	0.67
1,1-Dichloropropene	ND		ug/kg	12	1.1
Bromoform	ND		ug/kg	10	1.2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	0.60
Benzene	ND		ug/kg	2.5	0.74
Toluene	ND		ug/kg	3.8	0.60
Ethylbenzene	ND		ug/kg	2.5	0.55
Chloromethane	ND		ug/kg	12	2.0
Bromomethane	ND		ug/kg	5.0	1.6
Vinyl chloride	ND		ug/kg	5.0	1.9
Chloroethane	ND		ug/kg	5.0	1.1
1,1-Dichloroethene	ND		ug/kg	2.5	0.65
trans-1,2-Dichloroethene	ND		ug/kg	3.8	0.98
Trichloroethene	ND		ug/kg	2.5	0.56
1,2-Dichlorobenzene	ND		ug/kg	12	0.91
1,3-Dichlorobenzene	ND		ug/kg	12	1.0
1,4-Dichlorobenzene	ND		ug/kg	12	1.0

Project Name: 348 LANGNER RD
Project Number: 0123-005-102
Lab Number: L1214975
Report Date: 08/23/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/12 08:19
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG556636-3					
Methyl tert butyl ether	ND		ug/kg	5.0	1.2
p/m-Xylene	ND		ug/kg	5.0	1.1
o-Xylene	ND		ug/kg	5.0	1.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5	0.75
Dibromomethane	ND		ug/kg	25	1.1
Styrene	ND		ug/kg	5.0	1.8
Dichlorodifluoromethane	ND		ug/kg	25	0.97
Acetone	ND		ug/kg	25	8.1
Carbon disulfide	ND		ug/kg	25	0.94
2-Butanone	ND		ug/kg	25	9.7
Vinyl acetate	ND		ug/kg	25	1.9
4-Methyl-2-pentanone	ND		ug/kg	25	2.0
1,2,3-Trichloropropane	ND		ug/kg	25	0.97
2-Hexanone	ND		ug/kg	25	0.99
Bromochloromethane	ND		ug/kg	12	0.76
2,2-Dichloropropane	ND		ug/kg	12	2.0
1,2-Dibromoethane	ND		ug/kg	10	1.0
1,3-Dichloropropane	ND		ug/kg	12	1.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	0.82
Bromobenzene	ND		ug/kg	12	0.55
n-Butylbenzene	ND		ug/kg	2.5	0.79
sec-Butylbenzene	ND		ug/kg	2.5	0.69
tert-Butylbenzene	ND		ug/kg	12	1.5
o-Chlorotoluene	ND		ug/kg	12	0.78
p-Chlorotoluene	ND		ug/kg	12	0.90
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	2.1
Hexachlorobutadiene	ND		ug/kg	12	1.1
Isopropylbenzene	ND		ug/kg	2.5	0.44
p-Isopropyltoluene	ND		ug/kg	2.5	0.68
Naphthalene	ND		ug/kg	12	1.9
Acrylonitrile	ND		ug/kg	25	0.94

Project Name: 348 LANGNER RD
Project Number: 0123-005-102
Lab Number: L1214975
Report Date: 08/23/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/12 08:19
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG556636-3					
Isopropyl Ether	ND		ug/kg	10	1.0
tert-Butyl Alcohol	ND		ug/kg	150	3.1
n-Propylbenzene	ND		ug/kg	2.5	0.71
1,2,3-Trichlorobenzene	ND		ug/kg	12	1.0
1,2,4-Trichlorobenzene	ND		ug/kg	12	2.0
1,3,5-Trimethylbenzene	ND		ug/kg	12	1.5
1,2,4-Trimethylbenzene	ND		ug/kg	12	1.4
Methyl Acetate	ND		ug/kg	50	1.2
Ethyl Acetate	ND		ug/kg	50	50.
Acrolein	ND		ug/kg	62	7.5
Cyclohexane	ND		ug/kg	50	0.31
1,4-Dioxane	ND		ug/kg	250	44.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	50	0.99
1,4-Diethylbenzene	ND		ug/kg	10	0.50
4-Ethyltoluene	ND		ug/kg	10	0.24
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	0.45
Tetrahydrofuran	ND		ug/kg	50	2.8
Ethyl ether	ND		ug/kg	12	0.95
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.7
Methyl cyclohexane	ND		ug/kg	10	1.7
Ethyl-Tert-Butyl-Ether	ND		ug/kg	10	2.2
Tertiary-Amyl Methyl Ether	ND		ug/kg	10	2.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	79		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-005-102

Lab Number: L1214975

Report Date: 08/23/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG556636-1 WG556636-2								
Methylene chloride	87		92		70-130	6		30
1,1-Dichloroethane	94		98		70-130	4		30
Chloroform	105		108		70-130	3		30
Carbon tetrachloride	**132**	Q	**139**	Q	70-130	5		30
1,2-Dichloropropane	86		87		70-130	1		30
Dibromochloromethane	115		117		70-130	2		30
1,1,2-Trichloroethane	96		99		70-130	3		30
Tetrachloroethene	114		120		70-130	5		30
Chlorobenzene	99		102		70-130	3		30
Trichlorofluoromethane	109		120		70-139	10		30
1,2-Dichloroethane	111		115		70-130	4		30
1,1,1-Trichloroethane	106		110		70-130	4		30
Bromodichloromethane	107		110		70-130	3		30
trans-1,3-Dichloropropene	90		93		70-130	3		30
cis-1,3-Dichloropropene	92		96		70-130	4		30
1,1-Dichloropropene	99		108		70-130	9		30
Bromoform	110		114		70-130	4		30
1,1,2,2-Tetrachloroethane	88		89		70-130	1		30
Benzene	92		97		70-130	5		30
Toluene	95		99		70-130	4		30
Ethylbenzene	99		103		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-005-102

Lab Number: L1214975

Report Date: 08/23/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG556636-1 WG556636-2								
Chloromethane	90		94		52-130	4		30
Bromomethane	89		81		57-147	9		30
Vinyl chloride	106		114		67-130	7		30
Chloroethane	87		98		50-151	12		30
1,1-Dichloroethene	93		100		65-135	7		30
trans-1,2-Dichloroethene	98		103		70-130	5		30
Trichloroethene	103		107		70-130	4		30
1,2-Dichlorobenzene	98		101		70-130	3		30
1,3-Dichlorobenzene	99		103		70-130	4		30
1,4-Dichlorobenzene	100		102		70-130	2		30
Methyl tert butyl ether	85		84		66-130	1		30
p/m-Xylene	100		102		70-130	2		30
o-Xylene	98		102		70-130	4		30
cis-1,2-Dichloroethene	97		101		70-130	4		30
Dibromomethane	102		106		70-130	4		30
Styrene	99		101		70-130	2		30
Dichlorodifluoromethane	87		98		30-146	12		30
Acetone	84		94		54-140	11		30
Carbon disulfide	80		86		59-130	7		30
2-Butanone	89		93		70-130	4		30
Vinyl acetate	89		92		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-005-102

Lab Number: L1214975

Report Date: 08/23/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG556636-1 WG556636-2								
4-Methyl-2-pentanone	81		84		70-130	4		30
1,2,3-Trichloropropane	93		95		68-130	2		30
2-Hexanone	87		89		70-130	2		30
Bromochloromethane	98		102		70-130	4		30
2,2-Dichloropropane	92		93		70-130	1		30
1,2-Dibromoethane	114		123		70-130	8		30
1,3-Dichloropropane	99		102		69-130	3		30
1,1,1,2-Tetrachloroethane	114		117		70-130	3		30
Bromobenzene	101		103		70-130	2		30
n-Butylbenzene	103		108		70-130	5		30
sec-Butylbenzene	99		104		70-130	5		30
tert-Butylbenzene	103		108		70-130	5		30
o-Chlorotoluene	97		101		70-130	4		30
p-Chlorotoluene	96		100		70-130	4		30
1,2-Dibromo-3-chloropropane	92		92		68-130	0		30
Hexachlorobutadiene	114		121		67-130	6		30
Isopropylbenzene	102		108		70-130	6		30
p-Isopropyltoluene	103		108		70-130	5		30
Naphthalene	88		90		70-130	2		30
Acrylonitrile	83		86		70-130	4		30
Isopropyl Ether	82		84		66-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214975
Report Date: 08/23/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG556636-1 WG556636-2								
tert-Butyl Alcohol	86		89		70-130	3		30
n-Propylbenzene	97		102		70-130	5		30
1,2,3-Trichlorobenzene	101		105		70-130	4		30
1,2,4-Trichlorobenzene	104		106		70-130	2		30
1,3,5-Trimethylbenzene	101		105		70-130	4		30
1,2,4-Trimethylbenzene	100		105		70-130	5		30
Methyl Acetate	87		94		70-130	8		30
Ethyl Acetate	92		96		70-130	4		30
Acrolein	83		85		70-130	2		30
Cyclohexane	88		95		70-130	8		30
1,4-Dioxane	67		72		65-136	7		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	102		113		70-130	10		30
1,4-Diethylbenzene	106		112		70-130	6		30
4-Ethyltoluene	104		109		70-130	5		30
1,2,4,5-Tetramethylbenzene	103		106		70-130	3		30
Tetrahydrofuran	81		83		66-130	2		30
Ethyl ether	87		89		67-130	2		30
trans-1,4-Dichloro-2-butene	95		101		70-130	6		30
Methyl cyclohexane	93		99		70-130	6		30
Ethyl-Tert-Butyl-Ether	78		77		70-130	1		30
Tertiary-Amyl Methyl Ether	72		71		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-005-102

Lab Number: L1214975

Report Date: 08/23/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG556636-1 WG556636-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		**133**	Q	70-130
Toluene-d8	86		93		70-130
4-Bromofluorobenzene	80		86		70-130
Dibromofluoromethane	97		113		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214975
Report Date: 08/23/12

SAMPLE RESULTS

Lab ID: L1214975-01
Client ID: WEST EXCAVATION BOTTOM 1
Sample Location: 348 LANGNER RD
Matrix: Soil

Date Collected: 08/21/12 15:30
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86		%	0.10	NA	1	-	08/23/12 01:20	30,2540G	RD

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214975
Report Date: 08/23/12

SAMPLE RESULTS

Lab ID: L1214975-02
Client ID: WEST EXCAVATION NORTH WALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil

Date Collected: 08/21/12 15:10
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80		%	0.10	NA	1	-	08/23/12 01:20	30,2540G	RD

Project Name: 348 LANGNER RD
Project Number: 0123-005-102
Lab Number: L1214975
Report Date: 08/23/12

SAMPLE RESULTS

Lab ID: L1214975-03
Client ID: WEST EXCAVATION SOUTH WALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil
Date Collected: 08/21/12 15:15
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	08/23/12 01:20	30,2540G	RD

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214975
Report Date: 08/23/12

SAMPLE RESULTS

Lab ID: L1214975-04
Client ID: WEST EXCAVATION EAST WALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil

Date Collected: 08/21/12 15:40
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88		%	0.10	NA	1	-	08/23/12 01:20	30,2540G	RD

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214975
Report Date: 08/23/12

SAMPLE RESULTS

Lab ID: L1214975-05
Client ID: WEST EXCAVATION WEST WALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil

Date Collected: 08/21/12 15:50
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85		%	0.10	NA	1	-	08/23/12 01:20	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214975
Report Date: 08/23/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG556526-1 QC Sample: L1215065-01 Client ID: DUP Sample						
Solids, Total	85.	87	%	2		20

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214975
Report Date: 08/23/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1214975-01A	Amber 120ml unpreserved	A	N/A	5.8	Y	Absent	TS(7),NYTCL-8260(14)
L1214975-02A	Amber 120ml unpreserved	A	N/A	5.8	Y	Absent	TS(7),NYTCL-8260(14)
L1214975-03A	Amber 120ml unpreserved	A	N/A	5.8	Y	Absent	TS(7),NYTCL-8260(14)
L1214975-04A	Amber 120ml unpreserved	A	N/A	5.8	Y	Absent	TS(7),NYTCL-8260(14)
L1214975-05A	Amber 120ml unpreserved	A	N/A	5.8	Y	Absent	TS(7),NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	348 LANGNER RD	**Lab Number:**	L1214975
Project Number:	0123-005-102	**Report Date:**	08/23/12

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD	**Lab Number:**	L1214975
Project Number:	0123-005-102	**Report Date:**	08/23/12

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD	**Lab Number:**	L1214975
Project Number:	0123-005-102	**Report Date:**	08/23/12

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 16, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8082, 8330, 8151A, 8260B, 8270C, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9030B, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7

for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010B, 6010C, 6020, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9030B, 9040B, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082, 8082A, 8081A, 8081B, 8151A, 8330, 8270C-SIM, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 6010C, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050, 9065,1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082, 8082A, 8081A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, 2540G, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012A, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C, 3546, 3580, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7471A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 245.2, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 3501., 350.2, 353.2, 420.1, 6010B, 6010C, 6020, 6020A, 7196A, 7470A, 9010B, 9030B, 9040B, Lachat 10-107-06-2-D, NJ-EPH, 2120B, 2310B, 2320B, 2340B, 2510C, 2540B, 2540C, 3500Cr-D, 436C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330, 8015B,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010B, 6010C, 6020A, 7196A, 7471A, 7471B, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 2..08, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5035, 3540C, 3546, 3550, 3580, 3630C, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 8/22/12

ALPHA Job #: L1214975

Client Information

Client: Turnkey

Address: 2558 Hamburg Turnpike
Buffalo NY 14218

Phone: (716) 856-0597

Fax: (716) 856-0583

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 348 Langner Rd

Project Location: 348 Langner Rd

Project #: 0123-005-102

Project Manager: Mike Lesankowski

ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)

Date Due: 8/24/12 3 day Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program CAT-B Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

CAT-B

ANALYSIS: TCL VOC

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC	TOTAL # BOTTLES	Sample Specific Comments
14975-1	West Excavation Bottom 1	8-21-12	1530	Soil	PW	X		
2	West Excavation Northwall 1		1510			X		
3	West Excavation Southwall 1		1515			X		
4	West Excavation Eastwall 1		1540			X		
5	West Excavation Westwall 1		1550			X		

Container Type	
Preservative	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
	8-21-12 16:25		8-21-12 1625
	8-21-12 1815		8-21-12 1815
	8/22/12 1207 AM		8/21/12 20:07

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

ANALYTICAL REPORT

Lab Number:	L1214974
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	348 LANGNER RD
Project Number:	0123-005-102
Report Date:	08/24/12

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1214974-01	UST AREA 1 BOTTOM 1	348 LANGNER RD	08/20/12 09:00
L1214974-02	UST AREA 1 WEST WALL 1	348 LANGNER RD	08/20/12 10:00
L1214974-03	UST AREA 1 BOTTOM 2	348 LANGNER RD	08/20/12 15:00
L1214974-04	UST AREA 1 EAST WALL 1	348 LANGNER RD	08/21/12 09:50
L1214974-05	BLIND DUP 1	348 LANGNER RD	08/21/12 08:00
L1214974-06	UST AREA 1 NORTH WALL 1	348 LANGNER RD	08/21/12 10:10
L1214974-07	UST AREA 1 SOUTH WALL 1	348 LANGNER RD	08/21/12 14:30
L1214974-08	UST AREA 1 SOUTH WALL 2	348 LANGNER RD	08/21/12 14:45
L1214974-09	UST AREA 1 EAST WALL 2	348 LANGNER RD	08/21/12 15:00
L1214974-10	UST AREA 1 WEST WALL 2	348 LANGNER RD	08/21/12 10:25
L1214974-11	UST AREA 1 VENT STOCK BOTTOM 1	348 LANGNER RD	08/21/12 16:05
L1214974-12	UST AREA 1 VENT STOCK BOTTOM 2	348 LANGNER RD	08/21/12 16:10

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	348 LANGNER RD	**Lab Number:**	L1214974
Project Number:	0123-005-102	**Report Date:**	08/24/12

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

The WG556616-4/-5 MS/MSD recoveries, performed on L1214974-03, were outside the acceptance criteria for Methylene chloride (MSD at 143%), Methyl tert butyl ether (MSD at 154%), Vinyl acetate (68%/69%), 1,2,3-Trichlorobenzene (MS at 66%), and 1,2,4-Trichlorobenzene (MS at 68%); however, the associated LCS/LCSD recoveries were within criteria.

Semivolatile Organics

The WG556245-4/-5 MS/MSD recoveries, performed on L1214974-03, were outside the acceptance criteria for 2,4-Dinitrotoluene (120%/110%), P-Chloro-M-Cresol (110%/110%), 4-Nitrophenol (120%/120%) and Phenol (97%/97%).

The WG556245-4/-5 MS/MSDMSD recoveries, performed on L1214974-03, are below the acceptance criteria for 2,4-Dinitrophenol (MSD at 0%) and Benzoic Acid (0%/0%) due to the concentration of these compounds falling below the reported detection limit.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Elizabeth Simmons

Title: Technical Director/Representative

Date: 08/24/12

ORGANICS

VOLATILES

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-01
Client ID: UST AREA 1 BOTTOM 1
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/12 11:31
Analyst: BN
Percent Solids: 86%

Date Collected: 08/20/12 09:00
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	29	5.8	1
1,1-Dichloroethane	ND		ug/kg	4.4	0.86	1
Chloroform	ND		ug/kg	4.4	0.94	1
Carbon tetrachloride	ND		ug/kg	2.9	0.61	1
1,2-Dichloropropane	ND		ug/kg	10	0.74	1
Dibromochloromethane	ND		ug/kg	2.9	0.89	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	1.1	1
Tetrachloroethene	ND		ug/kg	2.9	0.89	1
Chlorobenzene	ND		ug/kg	2.9	0.54	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	ND		ug/kg	2.9	0.66	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	0.78	1
Bromodichloromethane	ND		ug/kg	2.9	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	0.87	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	0.78	1
1,1-Dichloropropene	ND		ug/kg	14	1.3	1
Bromoform	ND		ug/kg	12	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	0.70	1
Benzene	ND		ug/kg	2.9	0.86	1
Toluene	ND		ug/kg	4.4	0.70	1
Ethylbenzene	ND		ug/kg	2.9	0.64	1
Chloromethane	ND		ug/kg	14	2.3	1
Bromomethane	ND		ug/kg	5.8	1.9	1
Vinyl chloride	ND		ug/kg	5.8	2.2	1
Chloroethane	ND		ug/kg	5.8	1.3	1
1,1-Dichloroethene	ND		ug/kg	2.9	0.76	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	1.1	1
Trichloroethene	ND		ug/kg	2.9	0.65	1
1,2-Dichlorobenzene	ND		ug/kg	14	1.0	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.2	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-01 Date Collected: 08/20/12 09:00

Client ID: UST AREA 1 BOTTOM 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	3.6	J	ug/kg	5.8	1.4	1
p/m-Xylene	ND		ug/kg	5.8	1.2	1
o-Xylene	ND		ug/kg	5.8	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	0.88	1
Dibromomethane	ND		ug/kg	29	1.3	1
Styrene	ND		ug/kg	5.8	2.1	1
Dichlorodifluoromethane	ND		ug/kg	29	1.1	1
Acetone	ND		ug/kg	29	9.4	1
Carbon disulfide	ND		ug/kg	29	1.1	1
2-Butanone	ND		ug/kg	29	11.	1
Vinyl acetate	ND		ug/kg	29	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	29	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	29	1.1	1
2-Hexanone	ND		ug/kg	29	1.2	1
Bromochloromethane	ND		ug/kg	14	0.88	1
2,2-Dichloropropane	ND		ug/kg	14	2.3	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.95	1
Bromobenzene	ND		ug/kg	14	0.64	1
n-Butylbenzene	ND		ug/kg	2.9	0.91	1
sec-Butylbenzene	ND		ug/kg	2.9	0.80	1
tert-Butylbenzene	ND		ug/kg	14	1.8	1
o-Chlorotoluene	ND		ug/kg	14	0.91	1
p-Chlorotoluene	ND		ug/kg	14	1.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.4	1
Hexachlorobutadiene	ND		ug/kg	14	1.3	1
Isopropylbenzene	ND		ug/kg	2.9	0.51	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.79	1
Acrylonitrile	ND		ug/kg	29	1.1	1
n-Propylbenzene	ND		ug/kg	2.9	0.82	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,4-Dioxane	ND		ug/kg	290	50.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.58	1
4-Ethyltoluene	ND		ug/kg	12	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.53	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-01 Date Collected: 08/20/12 09:00

Client ID: UST AREA 1 BOTTOM 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	14	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-02
Client ID: UST AREA 1 WEST WALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/12 11:58
Analyst: BN
Percent Solids: 84%

Date Collected: 08/20/12 10:00
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	30	6.0	1
1,1-Dichloroethane	ND		ug/kg	4.5	0.88	1
Chloroform	ND		ug/kg	4.5	0.97	1
Carbon tetrachloride	ND		ug/kg	3.0	0.63	1
1,2-Dichloropropane	ND		ug/kg	10	0.76	1
Dibromochloromethane	ND		ug/kg	3.0	0.92	1
1,1,2-Trichloroethane	ND		ug/kg	4.5	1.2	1
Tetrachloroethene	ND		ug/kg	3.0	0.91	1
Chlorobenzene	ND		ug/kg	3.0	0.55	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.0	0.68	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.80	1
Bromodichloromethane	ND		ug/kg	3.0	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.89	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.80	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.71	1
Benzene	ND		ug/kg	3.0	0.88	1
Toluene	ND		ug/kg	4.5	0.72	1
Ethylbenzene	ND		ug/kg	3.0	0.66	1
Chloromethane	ND		ug/kg	15	2.3	1
Bromomethane	ND		ug/kg	6.0	1.9	1
Vinyl chloride	ND		ug/kg	6.0	2.2	1
Chloroethane	ND		ug/kg	6.0	1.3	1
1,1-Dichloroethene	ND		ug/kg	3.0	0.77	1
trans-1,2-Dichloroethene	ND		ug/kg	4.5	1.2	1
Trichloroethene	ND		ug/kg	3.0	0.67	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.2	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-02 Date Collected: 08/20/12 10:00

Client ID: UST AREA 1 WEST WALL 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.0	1.4	1
p/m-Xylene	ND		ug/kg	6.0	1.3	1
o-Xylene	ND		ug/kg	6.0	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.90	1
Dibromomethane	ND		ug/kg	30	1.3	1
Styrene	ND		ug/kg	6.0	2.2	1
Dichlorodifluoromethane	ND		ug/kg	30	1.2	1
Acetone	24	J	ug/kg	30	9.6	1
Carbon disulfide	ND		ug/kg	30	1.1	1
2-Butanone	ND		ug/kg	30	12.	1
Vinyl acetate	ND		ug/kg	30	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	30	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	30	1.2	1
2-Hexanone	ND		ug/kg	30	1.2	1
Bromochloromethane	ND		ug/kg	15	0.90	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	0.98	1
Bromobenzene	ND		ug/kg	15	0.66	1
n-Butylbenzene	ND		ug/kg	3.0	0.94	1
sec-Butylbenzene	ND		ug/kg	3.0	0.82	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.93	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	ND		ug/kg	3.0	0.53	1
p-Isopropyltoluene	ND		ug/kg	3.0	0.81	1
Acrylonitrile	ND		ug/kg	30	1.1	1
n-Propylbenzene	ND		ug/kg	3.0	0.84	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.7	1
1,4-Dioxane	ND		ug/kg	300	52.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.60	1
4-Ethyltoluene	ND		ug/kg	12	0.29	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.54	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-02 Date Collected: 08/20/12 10:00

Client ID: UST AREA 1 WEST WALL 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	15	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-03
Client ID: UST AREA 1 BOTTOM 2
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/12 12:24
Analyst: BN
Percent Solids: 84%

Date Collected: 08/20/12 15:00
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	16	J	ug/kg	30	6.0	1
1,1-Dichloroethane	ND		ug/kg	4.5	0.88	1
Chloroform	ND		ug/kg	4.5	0.97	1
Carbon tetrachloride	ND		ug/kg	3.0	0.63	1
1,2-Dichloropropane	ND		ug/kg	10	0.76	1
Dibromochloromethane	ND		ug/kg	3.0	0.92	1
1,1,2-Trichloroethane	ND		ug/kg	4.5	1.2	1
Tetrachloroethene	ND		ug/kg	3.0	0.91	1
Chlorobenzene	ND		ug/kg	3.0	0.55	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.0	0.68	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.80	1
Bromodichloromethane	ND		ug/kg	3.0	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.89	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.80	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.71	1
Benzene	ND		ug/kg	3.0	0.88	1
Toluene	ND		ug/kg	4.5	0.72	1
Ethylbenzene	ND		ug/kg	3.0	0.66	1
Chloromethane	ND		ug/kg	15	2.3	1
Bromomethane	ND		ug/kg	6.0	1.9	1
Vinyl chloride	ND		ug/kg	6.0	2.2	1
Chloroethane	ND		ug/kg	6.0	1.3	1
1,1-Dichloroethene	ND		ug/kg	3.0	0.77	1
trans-1,2-Dichloroethene	ND		ug/kg	4.5	1.2	1
Trichloroethene	ND		ug/kg	3.0	0.67	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.2	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-03 Date Collected: 08/20/12 15:00

Client ID: UST AREA 1 BOTTOM 2 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	100		ug/kg	6.0	1.4	1
p/m-Xylene	ND		ug/kg	6.0	1.3	1
o-Xylene	ND		ug/kg	6.0	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.90	1
Dibromomethane	ND		ug/kg	30	1.3	1
Styrene	ND		ug/kg	6.0	2.2	1
Dichlorodifluoromethane	ND		ug/kg	30	1.2	1
Acetone	28	J	ug/kg	30	9.6	1
Carbon disulfide	ND		ug/kg	30	1.1	1
2-Butanone	ND		ug/kg	30	12.	1
Vinyl acetate	ND		ug/kg	30	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	30	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	30	1.2	1
2-Hexanone	ND		ug/kg	30	1.2	1
Bromochloromethane	ND		ug/kg	15	0.90	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	0.98	1
Bromobenzene	ND		ug/kg	15	0.66	1
n-Butylbenzene	ND		ug/kg	3.0	0.94	1
sec-Butylbenzene	ND		ug/kg	3.0	0.82	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.93	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	ND		ug/kg	3.0	0.53	1
p-Isopropyltoluene	ND		ug/kg	3.0	0.81	1
Acrylonitrile	ND		ug/kg	30	1.1	1
n-Propylbenzene	ND		ug/kg	3.0	0.84	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.7	1
1,4-Dioxane	ND		ug/kg	300	52.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.60	1
4-Ethyltoluene	ND		ug/kg	12	0.29	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.54	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-03 Date Collected: 08/20/12 15:00

Client ID: UST AREA 1 BOTTOM 2 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	15	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-04
Client ID: UST AREA 1 EAST WALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/24/12 08:49
Analyst: BN
Percent Solids: 80%

Date Collected: 08/21/12 09:50
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	9.2	J	ug/kg	31	6.2	1
1,1-Dichloroethane	ND		ug/kg	4.7	0.92	1
Chloroform	ND		ug/kg	4.7	1.0	1
Carbon tetrachloride	ND		ug/kg	3.1	0.66	1
1,2-Dichloropropane	ND		ug/kg	11	0.80	1
Dibromochloromethane	ND		ug/kg	3.1	0.96	1
1,1,2-Trichloroethane	ND		ug/kg	4.7	1.2	1
Tetrachloroethene	ND		ug/kg	3.1	0.96	1
Chlorobenzene	ND		ug/kg	3.1	0.58	1
Trichlorofluoromethane	ND		ug/kg	16	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.1	0.71	1
1,1,1-Trichloroethane	ND		ug/kg	3.1	0.84	1
Bromodichloromethane	ND		ug/kg	3.1	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.1	0.94	1
cis-1,3-Dichloropropene	ND		ug/kg	3.1	0.84	1
1,1-Dichloropropene	ND		ug/kg	16	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.1	0.75	1
Benzene	ND		ug/kg	3.1	0.93	1
Toluene	ND		ug/kg	4.7	0.76	1
Ethylbenzene	ND		ug/kg	3.1	0.69	1
Chloromethane	ND		ug/kg	16	2.4	1
Bromomethane	ND		ug/kg	6.2	2.0	1
Vinyl chloride	ND		ug/kg	6.2	2.4	1
Chloroethane	ND		ug/kg	6.2	1.4	1
1,1-Dichloroethene	ND		ug/kg	3.1	0.81	1
trans-1,2-Dichloroethene	ND		ug/kg	4.7	1.2	1
Trichloroethene	ND		ug/kg	3.1	0.70	1
1,2-Dichlorobenzene	ND		ug/kg	16	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	16	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	16	1.3	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-04 Date Collected: 08/21/12 09:50

Client ID: UST AREA 1 EAST WALL 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	11		ug/kg	6.2	1.5	1
p/m-Xylene	ND		ug/kg	6.2	1.3	1
o-Xylene	ND		ug/kg	6.2	1.3	1
cis-1,2-Dichloroethene	ND		ug/kg	3.1	0.94	1
Dibromomethane	ND		ug/kg	31	1.4	1
Styrene	ND		ug/kg	6.2	2.3	1
Dichlorodifluoromethane	ND		ug/kg	31	1.2	1
Acetone	ND		ug/kg	31	10.	1
Carbon disulfide	ND		ug/kg	31	1.2	1
2-Butanone	ND		ug/kg	31	12.	1
Vinyl acetate	ND		ug/kg	31	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	31	2.6	1
1,2,3-Trichloropropane	ND		ug/kg	31	1.2	1
2-Hexanone	ND		ug/kg	31	1.2	1
Bromochloromethane	ND		ug/kg	16	0.94	1
2,2-Dichloropropane	ND		ug/kg	16	2.5	1
1,2-Dibromoethane	ND		ug/kg	12	1.3	1
1,3-Dichloropropane	ND		ug/kg	16	1.8	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.1	1.0	1
Bromobenzene	ND		ug/kg	16	0.69	1
n-Butylbenzene	ND		ug/kg	3.1	0.98	1
sec-Butylbenzene	ND		ug/kg	3.1	0.86	1
tert-Butylbenzene	ND		ug/kg	16	1.9	1
o-Chlorotoluene	ND		ug/kg	16	0.98	1
p-Chlorotoluene	ND		ug/kg	16	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	16	2.6	1
Hexachlorobutadiene	ND		ug/kg	16	1.4	1
Isopropylbenzene	ND		ug/kg	3.1	0.55	1
p-Isopropyltoluene	ND		ug/kg	3.1	0.85	1
Acrylonitrile	ND		ug/kg	31	1.2	1
n-Propylbenzene	ND		ug/kg	3.1	0.89	1
1,2,3-Trichlorobenzene	ND		ug/kg	16	1.3	1
1,2,4-Trichlorobenzene	ND		ug/kg	16	2.5	1
1,3,5-Trimethylbenzene	ND		ug/kg	16	1.9	1
1,2,4-Trimethylbenzene	ND		ug/kg	16	1.8	1
1,4-Dioxane	ND		ug/kg	310	54.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.62	1
4-Ethyltoluene	ND		ug/kg	12	0.30	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.56	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-04 Date Collected: 08/21/12 09:50

Client ID: UST AREA 1 EAST WALL 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	16	1.2	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	16	4.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: 348 LANGNER RD
Lab Number: L1214974
Project Number: 0123-005-102
Report Date: 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-05
Client ID: BLIND DUP 1
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/24/12 09:16
Analyst: BN
Percent Solids: 82%

Date Collected: 08/21/12 08:00
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	12	J	ug/kg	30	6.1	1
1,1-Dichloroethane	ND		ug/kg	4.6	0.90	1
Chloroform	ND		ug/kg	4.6	0.99	1
Carbon tetrachloride	ND		ug/kg	3.0	0.64	1
1,2-Dichloropropane	ND		ug/kg	11	0.78	1
Dibromochloromethane	ND		ug/kg	3.0	0.94	1
1,1,2-Trichloroethane	ND		ug/kg	4.6	1.2	1
Tetrachloroethene	ND		ug/kg	3.0	0.93	1
Chlorobenzene	ND		ug/kg	3.0	0.57	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.0	0.69	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.82	1
Bromodichloromethane	ND		ug/kg	3.0	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.92	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.81	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.73	1
Benzene	ND		ug/kg	3.0	0.91	1
Toluene	ND		ug/kg	4.6	0.74	1
Ethylbenzene	ND		ug/kg	3.0	0.68	1
Chloromethane	ND		ug/kg	15	2.4	1
Bromomethane	ND		ug/kg	6.1	2.0	1
Vinyl chloride	ND		ug/kg	6.1	2.3	1
Chloroethane	ND		ug/kg	6.1	1.3	1
1,1-Dichloroethene	ND		ug/kg	3.0	0.79	1
trans-1,2-Dichloroethene	ND		ug/kg	4.6	1.2	1
Trichloroethene	ND		ug/kg	3.0	0.68	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.3	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-05 Date Collected: 08/21/12 08:00

Client ID: BLIND DUP 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	14		ug/kg	6.1	1.5	1
p/m-Xylene	ND		ug/kg	6.1	1.3	1
o-Xylene	ND		ug/kg	6.1	1.3	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.92	1
Dibromomethane	ND		ug/kg	30	1.3	1
Styrene	ND		ug/kg	6.1	2.2	1
Dichlorodifluoromethane	ND		ug/kg	30	1.2	1
Acetone	ND		ug/kg	30	9.9	1
Carbon disulfide	ND		ug/kg	30	1.1	1
2-Butanone	ND		ug/kg	30	12.	1
Vinyl acetate	ND		ug/kg	30	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	30	2.5	1
1,2,3-Trichloropropane	ND		ug/kg	30	1.2	1
2-Hexanone	ND		ug/kg	30	1.2	1
Bromochloromethane	ND		ug/kg	15	0.92	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	1.0	1
Bromobenzene	ND		ug/kg	15	0.67	1
n-Butylbenzene	ND		ug/kg	3.0	0.96	1
sec-Butylbenzene	ND		ug/kg	3.0	0.84	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.95	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.6	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	ND		ug/kg	3.0	0.54	1
p-Isopropyltoluene	ND		ug/kg	3.0	0.83	1
Acrylonitrile	ND		ug/kg	30	1.1	1
n-Propylbenzene	ND		ug/kg	3.0	0.86	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.7	1
1,4-Dioxane	ND		ug/kg	300	53.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.61	1
4-Ethyltoluene	ND		ug/kg	12	0.30	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.55	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-05 Date Collected: 08/21/12 08:00

Client ID: BLIND DUP 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	15	1.2	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-06
Client ID: UST AREA 1 NORTH WALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/24/12 09:43
Analyst: BN
Percent Solids: 82%

Date Collected: 08/21/12 10:10
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	11	J	ug/kg	30	6.1	1
1,1-Dichloroethane	ND		ug/kg	4.6	0.90	1
Chloroform	ND		ug/kg	4.6	0.99	1
Carbon tetrachloride	ND		ug/kg	3.0	0.64	1
1,2-Dichloropropane	ND		ug/kg	11	0.78	1
Dibromochloromethane	ND		ug/kg	3.0	0.94	1
1,1,2-Trichloroethane	ND		ug/kg	4.6	1.2	1
Tetrachloroethene	ND		ug/kg	3.0	0.93	1
Chlorobenzene	ND		ug/kg	3.0	0.57	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.0	0.69	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.82	1
Bromodichloromethane	ND		ug/kg	3.0	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.92	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.81	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.73	1
Benzene	ND		ug/kg	3.0	0.91	1
Toluene	ND		ug/kg	4.6	0.74	1
Ethylbenzene	ND		ug/kg	3.0	0.68	1
Chloromethane	ND		ug/kg	15	2.4	1
Bromomethane	ND		ug/kg	6.1	2.0	1
Vinyl chloride	ND		ug/kg	6.1	2.3	1
Chloroethane	ND		ug/kg	6.1	1.3	1
1,1-Dichloroethene	ND		ug/kg	3.0	0.79	1
trans-1,2-Dichloroethene	ND		ug/kg	4.6	1.2	1
Trichloroethene	ND		ug/kg	3.0	0.68	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.3	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-06 Date Collected: 08/21/12 10:10

Client ID: UST AREA 1 NORTH WALL 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	6.0	J	ug/kg	6.1	1.5	1
p/m-Xylene	ND		ug/kg	6.1	1.3	1
o-Xylene	ND		ug/kg	6.1	1.3	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.92	1
Dibromomethane	ND		ug/kg	30	1.3	1
Styrene	ND		ug/kg	6.1	2.2	1
Dichlorodifluoromethane	ND		ug/kg	30	1.2	1
Acetone	12	J	ug/kg	30	9.9	1
Carbon disulfide	ND		ug/kg	30	1.1	1
2-Butanone	ND		ug/kg	30	12.	1
Vinyl acetate	ND		ug/kg	30	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	30	2.5	1
1,2,3-Trichloropropane	ND		ug/kg	30	1.2	1
2-Hexanone	ND		ug/kg	30	1.2	1
Bromochloromethane	ND		ug/kg	15	0.92	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	1.0	1
Bromobenzene	ND		ug/kg	15	0.67	1
n-Butylbenzene	ND		ug/kg	3.0	0.96	1
sec-Butylbenzene	ND		ug/kg	3.0	0.84	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.95	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.6	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	ND		ug/kg	3.0	0.54	1
p-Isopropyltoluene	ND		ug/kg	3.0	0.83	1
Acrylonitrile	ND		ug/kg	30	1.1	1
n-Propylbenzene	ND		ug/kg	3.0	0.86	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.7	1
1,4-Dioxane	ND		ug/kg	300	53.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.61	1
4-Ethyltoluene	ND		ug/kg	12	0.30	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.55	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-06 Date Collected: 08/21/12 10:10

Client ID: UST AREA 1 NORTH WALL 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	15	1.2	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-07
Client ID: UST AREA 1 SOUTH WALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/24/12 10:10
Analyst: BN
Percent Solids: 82%

Date Collected: 08/21/12 14:30
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	12	J	ug/kg	30	6.1	1
1,1-Dichloroethane	ND		ug/kg	4.6	0.90	1
Chloroform	ND		ug/kg	4.6	0.99	1
Carbon tetrachloride	ND		ug/kg	3.0	0.64	1
1,2-Dichloropropane	ND		ug/kg	11	0.78	1
Dibromochloromethane	ND		ug/kg	3.0	0.94	1
1,1,2-Trichloroethane	ND		ug/kg	4.6	1.2	1
Tetrachloroethene	ND		ug/kg	3.0	0.93	1
Chlorobenzene	ND		ug/kg	3.0	0.57	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.0	0.69	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.82	1
Bromodichloromethane	ND		ug/kg	3.0	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.92	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.81	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.73	1
Benzene	ND		ug/kg	3.0	0.91	1
Toluene	9.9		ug/kg	4.6	0.74	1
Ethylbenzene	33		ug/kg	3.0	0.68	1
Chloromethane	ND		ug/kg	15	2.4	1
Bromomethane	ND		ug/kg	6.1	2.0	1
Vinyl chloride	ND		ug/kg	6.1	2.3	1
Chloroethane	ND		ug/kg	6.1	1.3	1
1,1-Dichloroethene	ND		ug/kg	3.0	0.79	1
trans-1,2-Dichloroethene	ND		ug/kg	4.6	1.2	1
Trichloroethene	ND		ug/kg	3.0	0.68	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.3	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-07 Date Collected: 08/21/12 14:30

Client ID: UST AREA 1 SOUTH WALL 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	2.8	J	ug/kg	6.1	1.5	1
p/m-Xylene	19		ug/kg	6.1	1.3	1
o-Xylene	17		ug/kg	6.1	1.3	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.92	1
Dibromomethane	ND		ug/kg	30	1.3	1
Styrene	ND		ug/kg	6.1	2.2	1
Dichlorodifluoromethane	ND		ug/kg	30	1.2	1
Acetone	52		ug/kg	30	9.9	1
Carbon disulfide	ND		ug/kg	30	1.1	1
2-Butanone	ND		ug/kg	30	12.	1
Vinyl acetate	ND		ug/kg	30	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	30	2.5	1
1,2,3-Trichloropropane	ND		ug/kg	30	1.2	1
2-Hexanone	ND		ug/kg	30	1.2	1
Bromochloromethane	ND		ug/kg	15	0.92	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	1.0	1
Bromobenzene	ND		ug/kg	15	0.67	1
n-Butylbenzene	3.3		ug/kg	3.0	0.96	1
sec-Butylbenzene	4.8		ug/kg	3.0	0.84	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.95	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.6	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	29		ug/kg	3.0	0.54	1
p-Isopropyltoluene	ND		ug/kg	3.0	0.83	1
Acrylonitrile	ND		ug/kg	30	1.1	1
n-Propylbenzene	80		ug/kg	3.0	0.86	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	5.7	J	ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	80		ug/kg	15	1.7	1
1,4-Dioxane	ND		ug/kg	300	53.	1
1,4-Diethylbenzene	17		ug/kg	12	0.61	1
4-Ethyltoluene	37		ug/kg	12	0.30	1
1,2,4,5-Tetramethylbenzene	31		ug/kg	12	0.55	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-07 Date Collected: 08/21/12 14:30

Client ID: UST AREA 1 SOUTH WALL 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	15	1.2	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-08
Client ID: UST AREA 1 SOUTH WALL 2
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/24/12 10:37
Analyst: BN
Percent Solids: 82%

Date Collected: 08/21/12 14:45
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	9.7	J	ug/kg	30	6.1	1
1,1-Dichloroethane	ND		ug/kg	4.6	0.90	1
Chloroform	ND		ug/kg	4.6	0.99	1
Carbon tetrachloride	ND		ug/kg	3.0	0.64	1
1,2-Dichloropropane	ND		ug/kg	11	0.78	1
Dibromochloromethane	ND		ug/kg	3.0	0.94	1
1,1,2-Trichloroethane	ND		ug/kg	4.6	1.2	1
Tetrachloroethene	ND		ug/kg	3.0	0.93	1
Chlorobenzene	ND		ug/kg	3.0	0.57	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.0	0.69	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.82	1
Bromodichloromethane	ND		ug/kg	3.0	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.92	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.81	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.73	1
Benzene	ND		ug/kg	3.0	0.91	1
Toluene	ND		ug/kg	4.6	0.74	1
Ethylbenzene	ND		ug/kg	3.0	0.68	1
Chloromethane	ND		ug/kg	15	2.4	1
Bromomethane	ND		ug/kg	6.1	2.0	1
Vinyl chloride	ND		ug/kg	6.1	2.3	1
Chloroethane	ND		ug/kg	6.1	1.3	1
1,1-Dichloroethene	ND		ug/kg	3.0	0.79	1
trans-1,2-Dichloroethene	ND		ug/kg	4.6	1.2	1
Trichloroethene	ND		ug/kg	3.0	0.68	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.3	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-08 Date Collected: 08/21/12 14:45

Client ID: UST AREA 1 SOUTH WALL 2 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	24		ug/kg	6.1	1.5	1
p/m-Xylene	ND		ug/kg	6.1	1.3	1
o-Xylene	ND		ug/kg	6.1	1.3	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.92	1
Dibromomethane	ND		ug/kg	30	1.3	1
Styrene	ND		ug/kg	6.1	2.2	1
Dichlorodifluoromethane	ND		ug/kg	30	1.2	1
Acetone	66		ug/kg	30	9.9	1
Carbon disulfide	ND		ug/kg	30	1.1	1
2-Butanone	ND		ug/kg	30	12.	1
Vinyl acetate	ND		ug/kg	30	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	30	2.5	1
1,2,3-Trichloropropane	ND		ug/kg	30	1.2	1
2-Hexanone	ND		ug/kg	30	1.2	1
Bromochloromethane	ND		ug/kg	15	0.92	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	1.0	1
Bromobenzene	ND		ug/kg	15	0.67	1
n-Butylbenzene	ND		ug/kg	3.0	0.96	1
sec-Butylbenzene	ND		ug/kg	3.0	0.84	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.95	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.6	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	ND		ug/kg	3.0	0.54	1
p-Isopropyltoluene	ND		ug/kg	3.0	0.83	1
Acrylonitrile	ND		ug/kg	30	1.1	1
n-Propylbenzene	ND		ug/kg	3.0	0.86	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.7	1
1,4-Dioxane	ND		ug/kg	300	53.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.61	1
4-Ethyltoluene	ND		ug/kg	12	0.30	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.55	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-08 Date Collected: 08/21/12 14:45

Client ID: UST AREA 1 SOUTH WALL 2 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	15	1.2	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-09
Client ID: UST AREA 1 EAST WALL 2
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/12 16:00
Analyst: BN
Percent Solids: 84%

Date Collected: 08/21/12 15:00
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	27	J	ug/kg	30	6.0	1
1,1-Dichloroethane	ND		ug/kg	4.5	0.88	1
Chloroform	ND		ug/kg	4.5	0.97	1
Carbon tetrachloride	ND		ug/kg	3.0	0.63	1
1,2-Dichloropropane	ND		ug/kg	10	0.76	1
Dibromochloromethane	ND		ug/kg	3.0	0.92	1
1,1,2-Trichloroethane	ND		ug/kg	4.5	1.2	1
Tetrachloroethene	ND		ug/kg	3.0	0.91	1
Chlorobenzene	ND		ug/kg	3.0	0.55	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.0	0.68	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.80	1
Bromodichloromethane	ND		ug/kg	3.0	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.89	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.80	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.71	1
Benzene	ND		ug/kg	3.0	0.88	1
Toluene	ND		ug/kg	4.5	0.72	1
Ethylbenzene	ND		ug/kg	3.0	0.66	1
Chloromethane	ND		ug/kg	15	2.3	1
Bromomethane	ND		ug/kg	6.0	1.9	1
Vinyl chloride	ND		ug/kg	6.0	2.2	1
Chloroethane	ND		ug/kg	6.0	1.3	1
1,1-Dichloroethene	ND		ug/kg	3.0	0.77	1
trans-1,2-Dichloroethene	ND		ug/kg	4.5	1.2	1
Trichloroethene	ND		ug/kg	3.0	0.67	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.2	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-09 Date Collected: 08/21/12 15:00

Client ID: UST AREA 1 EAST WALL 2 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	37		ug/kg	6.0	1.4	1
p/m-Xylene	ND		ug/kg	6.0	1.3	1
o-Xylene	ND		ug/kg	6.0	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.90	1
Dibromomethane	ND		ug/kg	30	1.3	1
Styrene	ND		ug/kg	6.0	2.2	1
Dichlorodifluoromethane	ND		ug/kg	30	1.2	1
Acetone	14	J	ug/kg	30	9.6	1
Carbon disulfide	ND		ug/kg	30	1.1	1
2-Butanone	ND		ug/kg	30	12.	1
Vinyl acetate	ND		ug/kg	30	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	30	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	30	1.2	1
2-Hexanone	ND		ug/kg	30	1.2	1
Bromochloromethane	ND		ug/kg	15	0.90	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	0.98	1
Bromobenzene	ND		ug/kg	15	0.66	1
n-Butylbenzene	ND		ug/kg	3.0	0.94	1
sec-Butylbenzene	ND		ug/kg	3.0	0.82	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.93	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	ND		ug/kg	3.0	0.53	1
p-Isopropyltoluene	ND		ug/kg	3.0	0.81	1
Acrylonitrile	ND		ug/kg	30	1.1	1
n-Propylbenzene	ND		ug/kg	3.0	0.84	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.7	1
1,4-Dioxane	ND		ug/kg	300	52.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.60	1
4-Ethyltoluene	ND		ug/kg	12	0.29	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.54	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-09 Date Collected: 08/21/12 15:00

Client ID: UST AREA 1 EAST WALL 2 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	15	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-10
Client ID: UST AREA 1 WEST WALL 2
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/12 16:27
Analyst: BN
Percent Solids: 86%

Date Collected: 08/21/12 10:25
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	21	J	ug/kg	29	5.8	1
1,1-Dichloroethane	ND		ug/kg	4.4	0.86	1
Chloroform	ND		ug/kg	4.4	0.94	1
Carbon tetrachloride	ND		ug/kg	2.9	0.61	1
1,2-Dichloropropane	ND		ug/kg	10	0.74	1
Dibromochloromethane	ND		ug/kg	2.9	0.89	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	1.1	1
Tetrachloroethene	ND		ug/kg	2.9	0.89	1
Chlorobenzene	ND		ug/kg	2.9	0.54	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	ND		ug/kg	2.9	0.66	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	0.78	1
Bromodichloromethane	ND		ug/kg	2.9	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	0.87	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	0.78	1
1,1-Dichloropropene	ND		ug/kg	14	1.3	1
Bromoform	ND		ug/kg	12	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	0.70	1
Benzene	ND		ug/kg	2.9	0.86	1
Toluene	ND		ug/kg	4.4	0.70	1
Ethylbenzene	ND		ug/kg	2.9	0.64	1
Chloromethane	ND		ug/kg	14	2.3	1
Bromomethane	ND		ug/kg	5.8	1.9	1
Vinyl chloride	ND		ug/kg	5.8	2.2	1
Chloroethane	ND		ug/kg	5.8	1.3	1
1,1-Dichloroethene	ND		ug/kg	2.9	0.76	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	1.1	1
Trichloroethene	ND		ug/kg	2.9	0.65	1
1,2-Dichlorobenzene	ND		ug/kg	14	1.0	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.2	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-10 Date Collected: 08/21/12 10:25

Client ID: UST AREA 1 WEST WALL 2 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.8	1.4	1
p/m-Xylene	ND		ug/kg	5.8	1.2	1
o-Xylene	ND		ug/kg	5.8	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	0.88	1
Dibromomethane	ND		ug/kg	29	1.3	1
Styrene	ND		ug/kg	5.8	2.1	1
Dichlorodifluoromethane	ND		ug/kg	29	1.1	1
Acetone	18	J	ug/kg	29	9.4	1
Carbon disulfide	ND		ug/kg	29	1.1	1
2-Butanone	ND		ug/kg	29	11.	1
Vinyl acetate	ND		ug/kg	29	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	29	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	29	1.1	1
2-Hexanone	ND		ug/kg	29	1.2	1
Bromochloromethane	ND		ug/kg	14	0.88	1
2,2-Dichloropropane	ND		ug/kg	14	2.3	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.95	1
Bromobenzene	ND		ug/kg	14	0.64	1
n-Butylbenzene	ND		ug/kg	2.9	0.91	1
sec-Butylbenzene	ND		ug/kg	2.9	0.80	1
tert-Butylbenzene	ND		ug/kg	14	1.8	1
o-Chlorotoluene	ND		ug/kg	14	0.91	1
p-Chlorotoluene	ND		ug/kg	14	1.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.4	1
Hexachlorobutadiene	ND		ug/kg	14	1.3	1
Isopropylbenzene	ND		ug/kg	2.9	0.51	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.79	1
Acrylonitrile	ND		ug/kg	29	1.1	1
n-Propylbenzene	ND		ug/kg	2.9	0.82	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,4-Dioxane	ND		ug/kg	290	50.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.58	1
4-Ethyltoluene	ND		ug/kg	12	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.53	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-10 Date Collected: 08/21/12 10:25

Client ID: UST AREA 1 WEST WALL 2 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	14	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-11
Client ID: UST AREA 1 VENT STOCK BOTTOM 1
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/12 16:54
Analyst: BN
Percent Solids: 84%

Date Collected: 08/21/12 16:05
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	17	J	ug/kg	30	6.0	1
1,1-Dichloroethane	ND		ug/kg	4.5	0.88	1
Chloroform	ND		ug/kg	4.5	0.97	1
Carbon tetrachloride	ND		ug/kg	3.0	0.63	1
1,2-Dichloropropane	ND		ug/kg	10	0.76	1
Dibromochloromethane	ND		ug/kg	3.0	0.92	1
1,1,2-Trichloroethane	ND		ug/kg	4.5	1.2	1
Tetrachloroethene	ND		ug/kg	3.0	0.91	1
Chlorobenzene	ND		ug/kg	3.0	0.55	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.0	0.68	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	0.80	1
Bromodichloromethane	ND		ug/kg	3.0	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	0.89	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	0.80	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	0.71	1
Benzene	ND		ug/kg	3.0	0.88	1
Toluene	ND		ug/kg	4.5	0.72	1
Ethylbenzene	ND		ug/kg	3.0	0.66	1
Chloromethane	ND		ug/kg	15	2.3	1
Bromomethane	ND		ug/kg	6.0	1.9	1
Vinyl chloride	ND		ug/kg	6.0	2.2	1
Chloroethane	ND		ug/kg	6.0	1.3	1
1,1-Dichloroethene	ND		ug/kg	3.0	0.77	1
trans-1,2-Dichloroethene	ND		ug/kg	4.5	1.2	1
Trichloroethene	ND		ug/kg	3.0	0.67	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.2	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-11 Date Collected: 08/21/12 16:05

Client ID: UST AREA 1 VENT STOCK BOTTOM 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.0	1.4	1
p/m-Xylene	ND		ug/kg	6.0	1.3	1
o-Xylene	ND		ug/kg	6.0	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	0.90	1
Dibromomethane	ND		ug/kg	30	1.3	1
Styrene	ND		ug/kg	6.0	2.2	1
Dichlorodifluoromethane	ND		ug/kg	30	1.2	1
Acetone	100		ug/kg	30	9.6	1
Carbon disulfide	ND		ug/kg	30	1.1	1
2-Butanone	ND		ug/kg	30	12.	1
Vinyl acetate	ND		ug/kg	30	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	30	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	30	1.2	1
2-Hexanone	ND		ug/kg	30	1.2	1
Bromochloromethane	ND		ug/kg	15	0.90	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	0.98	1
Bromobenzene	ND		ug/kg	15	0.66	1
n-Butylbenzene	ND		ug/kg	3.0	0.94	1
sec-Butylbenzene	ND		ug/kg	3.0	0.82	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.93	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	ND		ug/kg	3.0	0.53	1
p-Isopropyltoluene	ND		ug/kg	3.0	0.81	1
Acrylonitrile	ND		ug/kg	30	1.1	1
n-Propylbenzene	ND		ug/kg	3.0	0.84	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.7	1
1,4-Dioxane	ND		ug/kg	300	52.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.60	1
4-Ethyltoluene	ND		ug/kg	12	0.29	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.54	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-11 Date Collected: 08/21/12 16:05

Client ID: UST AREA 1 VENT STOCK BOTTOM 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	15	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-12
Client ID: UST AREA 1 VENT STOCK BOTTOM 2
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/12 17:21
Analyst: BN
Percent Solids: 96%

Date Collected: 08/21/12 16:10
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	9.5	J	ug/kg	26	5.2	1
1,1-Dichloroethane	ND		ug/kg	3.9	0.77	1
Chloroform	ND		ug/kg	3.9	0.84	1
Carbon tetrachloride	ND		ug/kg	2.6	0.55	1
1,2-Dichloropropane	ND		ug/kg	9.1	0.66	1
Dibromochloromethane	ND		ug/kg	2.6	0.80	1
1,1,2-Trichloroethane	ND		ug/kg	3.9	1.0	1
Tetrachloroethene	ND		ug/kg	2.6	0.80	1
Chlorobenzene	ND		ug/kg	2.6	0.48	1
Trichlorofluoromethane	ND		ug/kg	13	1.0	1
1,2-Dichloroethane	ND		ug/kg	2.6	0.59	1
1,1,1-Trichloroethane	ND		ug/kg	2.6	0.70	1
Bromodichloromethane	ND		ug/kg	2.6	1.0	1
trans-1,3-Dichloropropene	ND		ug/kg	2.6	0.78	1
cis-1,3-Dichloropropene	ND		ug/kg	2.6	0.70	1
1,1-Dichloropropene	ND		ug/kg	13	1.2	1
Bromoform	ND		ug/kg	10	1.3	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.6	0.62	1
Benzene	ND		ug/kg	2.6	0.77	1
Toluene	ND		ug/kg	3.9	0.63	1
Ethylbenzene	ND		ug/kg	2.6	0.58	1
Chloromethane	ND		ug/kg	13	2.0	1
Bromomethane	ND		ug/kg	5.2	1.7	1
Vinyl chloride	ND		ug/kg	5.2	2.0	1
Chloroethane	ND		ug/kg	5.2	1.1	1
1,1-Dichloroethene	ND		ug/kg	2.6	0.68	1
trans-1,2-Dichloroethene	ND		ug/kg	3.9	1.0	1
Trichloroethene	ND		ug/kg	2.6	0.58	1
1,2-Dichlorobenzene	ND		ug/kg	13	0.95	1
1,3-Dichlorobenzene	ND		ug/kg	13	1.0	1
1,4-Dichlorobenzene	ND		ug/kg	13	1.1	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-12 Date Collected: 08/21/12 16:10

Client ID: UST AREA 1 VENT STOCK BOTTOM 2 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	8.0		ug/kg	5.2	1.3	1
p/m-Xylene	ND		ug/kg	5.2	1.1	1
o-Xylene	ND		ug/kg	5.2	1.1	1
cis-1,2-Dichloroethene	ND		ug/kg	2.6	0.78	1
Dibromomethane	ND		ug/kg	26	1.1	1
Styrene	ND		ug/kg	5.2	1.9	1
Dichlorodifluoromethane	ND		ug/kg	26	1.0	1
Acetone	14	J	ug/kg	26	8.4	1
Carbon disulfide	ND		ug/kg	26	0.98	1
2-Butanone	ND		ug/kg	26	10.	1
Vinyl acetate	ND		ug/kg	26	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	26	2.1	1
1,2,3-Trichloropropane	ND		ug/kg	26	1.0	1
2-Hexanone	ND		ug/kg	26	1.0	1
Bromochloromethane	ND		ug/kg	13	0.79	1
2,2-Dichloropropane	ND		ug/kg	13	2.1	1
1,2-Dibromoethane	ND		ug/kg	10	1.1	1
1,3-Dichloropropane	ND		ug/kg	13	1.5	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.6	0.86	1
Bromobenzene	ND		ug/kg	13	0.57	1
n-Butylbenzene	ND		ug/kg	2.6	0.82	1
sec-Butylbenzene	ND		ug/kg	2.6	0.72	1
tert-Butylbenzene	ND		ug/kg	13	1.6	1
o-Chlorotoluene	ND		ug/kg	13	0.82	1
p-Chlorotoluene	ND		ug/kg	13	0.94	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	13	2.2	1
Hexachlorobutadiene	ND		ug/kg	13	1.2	1
Isopropylbenzene	ND		ug/kg	2.6	0.46	1
p-Isopropyltoluene	ND		ug/kg	2.6	0.71	1
Acrylonitrile	ND		ug/kg	26	0.98	1
n-Propylbenzene	ND		ug/kg	2.6	0.74	1
1,2,3-Trichlorobenzene	ND		ug/kg	13	1.0	1
1,2,4-Trichlorobenzene	ND		ug/kg	13	2.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	13	1.6	1
1,2,4-Trimethylbenzene	ND		ug/kg	13	1.5	1
1,4-Dioxane	ND		ug/kg	260	45.	1
1,4-Diethylbenzene	ND		ug/kg	10	0.52	1
4-Ethyltoluene	ND		ug/kg	10	0.25	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	0.47	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-12 Date Collected: 08/21/12 16:10

Client ID: UST AREA 1 VENT STOCK BOTTOM 2 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	13	0.99	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	13	3.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: 348 LANGNER RD
Project Number: 0123-005-102
Lab Number: L1214974
Report Date: 08/24/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/12 08:15
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,09-12 Batch: WG556616-3					
Methylene chloride	ND		ug/kg	25	5.0
1,1-Dichloroethane	ND		ug/kg	3.8	0.74
Chloroform	ND		ug/kg	3.8	0.81
Carbon tetrachloride	ND		ug/kg	2.5	0.53
1,2-Dichloropropane	ND		ug/kg	8.8	0.64
Dibromochloromethane	ND		ug/kg	2.5	0.77
1,1,2-Trichloroethane	ND		ug/kg	3.8	0.98
Tetrachloroethene	ND		ug/kg	2.5	0.76
Chlorobenzene	ND		ug/kg	2.5	0.46
Trichlorofluoromethane	ND		ug/kg	12	0.98
1,2-Dichloroethane	ND		ug/kg	2.5	0.57
1,1,1-Trichloroethane	ND		ug/kg	2.5	0.67
Bromodichloromethane	ND		ug/kg	2.5	0.96
trans-1,3-Dichloropropene	ND		ug/kg	2.5	0.75
cis-1,3-Dichloropropene	ND		ug/kg	2.5	0.67
1,1-Dichloropropene	ND		ug/kg	12	1.1
Bromoform	ND		ug/kg	10	1.2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	0.60
Benzene	ND		ug/kg	2.5	0.74
Toluene	ND		ug/kg	3.8	0.60
Ethylbenzene	ND		ug/kg	2.5	0.55
Chloromethane	ND		ug/kg	12	2.0
Bromomethane	ND		ug/kg	5.0	1.6
Vinyl chloride	ND		ug/kg	5.0	1.9
Chloroethane	ND		ug/kg	5.0	1.1
1,1-Dichloroethene	ND		ug/kg	2.5	0.65
trans-1,2-Dichloroethene	ND		ug/kg	3.8	0.98
Trichloroethene	ND		ug/kg	2.5	0.56
1,2-Dichlorobenzene	ND		ug/kg	12	0.91
1,3-Dichlorobenzene	ND		ug/kg	12	1.0
1,4-Dichlorobenzene	ND		ug/kg	12	1.0

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/12 08:15
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,09-12 Batch: WG556616-3					
Methyl tert butyl ether	ND		ug/kg	5.0	1.2
p/m-Xylene	ND		ug/kg	5.0	1.1
o-Xylene	ND		ug/kg	5.0	1.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5	0.75
Dibromomethane	ND		ug/kg	25	1.1
Styrene	ND		ug/kg	5.0	1.8
Dichlorodifluoromethane	ND		ug/kg	25	0.97
Acetone	ND		ug/kg	25	8.1
Carbon disulfide	ND		ug/kg	25	0.94
2-Butanone	ND		ug/kg	25	9.7
Vinyl acetate	ND		ug/kg	25	1.9
4-Methyl-2-pentanone	ND		ug/kg	25	2.0
1,2,3-Trichloropropane	ND		ug/kg	25	0.97
2-Hexanone	ND		ug/kg	25	0.99
Bromochloromethane	ND		ug/kg	12	0.76
2,2-Dichloropropane	ND		ug/kg	12	2.0
1,2-Dibromoethane	ND		ug/kg	10	1.0
1,3-Dichloropropane	ND		ug/kg	12	1.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	0.82
Bromobenzene	ND		ug/kg	12	0.55
n-Butylbenzene	ND		ug/kg	2.5	0.79
sec-Butylbenzene	ND		ug/kg	2.5	0.69
tert-Butylbenzene	ND		ug/kg	12	1.5
o-Chlorotoluene	ND		ug/kg	12	0.78
p-Chlorotoluene	ND		ug/kg	12	0.90
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	2.1
Hexachlorobutadiene	ND		ug/kg	12	1.1
Isopropylbenzene	ND		ug/kg	2.5	0.44
p-Isopropyltoluene	ND		ug/kg	2.5	0.68
Naphthalene	ND		ug/kg	12	1.9
Acrylonitrile	ND		ug/kg	25	0.94

Project Name: 348 LANGNER RD
Project Number: 0123-005-102
Lab Number: L1214974
Report Date: 08/24/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/12 08:15
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,09-12 Batch: WG556616-3					
Isopropyl Ether	ND		ug/kg	10	1.0
tert-Butyl Alcohol	ND		ug/kg	150	3.1
n-Propylbenzene	ND		ug/kg	2.5	0.71
1,2,3-Trichlorobenzene	ND		ug/kg	12	1.0
1,2,4-Trichlorobenzene	ND		ug/kg	12	2.0
1,3,5-Trimethylbenzene	ND		ug/kg	12	1.5
1,2,4-Trimethylbenzene	ND		ug/kg	12	1.4
Methyl Acetate	ND		ug/kg	50	1.2
Ethyl Acetate	ND		ug/kg	50	50.
Acrolein	ND		ug/kg	62	7.5
Cyclohexane	ND		ug/kg	50	0.31
1,4-Dioxane	ND		ug/kg	250	44.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	50	0.99
1,4-Diethylbenzene	ND		ug/kg	10	0.50
4-Ethyltoluene	ND		ug/kg	10	0.24
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	0.45
Tetrahydrofuran	ND		ug/kg	50	2.8
Ethyl ether	ND		ug/kg	12	0.95
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.7
Methyl cyclohexane	ND		ug/kg	10	1.7
Ethyl-Tert-Butyl-Ether	ND		ug/kg	10	2.2
Tertiary-Amyl Methyl Ether	ND		ug/kg	10	2.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Project Name: 348 LANGNER RD
Project Number: 0123-005-102
Lab Number: L1214974
Report Date: 08/24/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/12 08:22
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-08 Batch: WG556877-3					
Methylene chloride	ND		ug/kg	25	5.0
1,1-Dichloroethane	ND		ug/kg	3.8	0.74
Chloroform	ND		ug/kg	3.8	0.81
Carbon tetrachloride	ND		ug/kg	2.5	0.53
1,2-Dichloropropane	ND		ug/kg	8.8	0.64
Dibromochloromethane	ND		ug/kg	2.5	0.77
1,1,2-Trichloroethane	ND		ug/kg	3.8	0.98
Tetrachloroethene	ND		ug/kg	2.5	0.76
Chlorobenzene	ND		ug/kg	2.5	0.46
Trichlorofluoromethane	ND		ug/kg	12	0.98
1,2-Dichloroethane	ND		ug/kg	2.5	0.57
1,1,1-Trichloroethane	ND		ug/kg	2.5	0.67
Bromodichloromethane	ND		ug/kg	2.5	0.96
trans-1,3-Dichloropropene	ND		ug/kg	2.5	0.75
cis-1,3-Dichloropropene	ND		ug/kg	2.5	0.67
1,1-Dichloropropene	ND		ug/kg	12	1.1
Bromoform	ND		ug/kg	10	1.2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	0.60
Benzene	ND		ug/kg	2.5	0.74
Toluene	ND		ug/kg	3.8	0.60
Ethylbenzene	ND		ug/kg	2.5	0.55
Chloromethane	ND		ug/kg	12	2.0
Bromomethane	ND		ug/kg	5.0	1.6
Vinyl chloride	ND		ug/kg	5.0	1.9
Chloroethane	ND		ug/kg	5.0	1.1
1,1-Dichloroethene	ND		ug/kg	2.5	0.65
trans-1,2-Dichloroethene	ND		ug/kg	3.8	0.98
Trichloroethene	ND		ug/kg	2.5	0.56
1,2-Dichlorobenzene	ND		ug/kg	12	0.91
1,3-Dichlorobenzene	ND		ug/kg	12	1.0
1,4-Dichlorobenzene	ND		ug/kg	12	1.0

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/12 08:22
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-08 Batch: WG556877-3					
Methyl tert butyl ether	ND		ug/kg	5.0	1.2
p/m-Xylene	ND		ug/kg	5.0	1.1
o-Xylene	ND		ug/kg	5.0	1.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5	0.75
Dibromomethane	ND		ug/kg	25	1.1
Styrene	ND		ug/kg	5.0	1.8
Dichlorodifluoromethane	ND		ug/kg	25	0.97
Acetone	ND		ug/kg	25	8.1
Carbon disulfide	ND		ug/kg	25	0.94
2-Butanone	ND		ug/kg	25	9.7
Vinyl acetate	ND		ug/kg	25	1.9
4-Methyl-2-pentanone	ND		ug/kg	25	2.0
1,2,3-Trichloropropane	ND		ug/kg	25	0.97
2-Hexanone	ND		ug/kg	25	0.99
Bromochloromethane	ND		ug/kg	12	0.76
2,2-Dichloropropane	ND		ug/kg	12	2.0
1,2-Dibromoethane	ND		ug/kg	10	1.0
1,3-Dichloropropane	ND		ug/kg	12	1.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	0.82
Bromobenzene	ND		ug/kg	12	0.55
n-Butylbenzene	ND		ug/kg	2.5	0.79
sec-Butylbenzene	ND		ug/kg	2.5	0.69
tert-Butylbenzene	ND		ug/kg	12	1.5
o-Chlorotoluene	ND		ug/kg	12	0.78
p-Chlorotoluene	ND		ug/kg	12	0.90
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	2.1
Hexachlorobutadiene	ND		ug/kg	12	1.1
Isopropylbenzene	ND		ug/kg	2.5	0.44
p-Isopropyltoluene	ND		ug/kg	2.5	0.68
Naphthalene	ND		ug/kg	12	1.9
Acrylonitrile	ND		ug/kg	25	0.94

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/12 08:22
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-08 Batch: WG556877-3					
Isopropyl Ether	ND		ug/kg	10	1.0
tert-Butyl Alcohol	ND		ug/kg	150	3.1
n-Propylbenzene	ND		ug/kg	2.5	0.71
1,2,3-Trichlorobenzene	ND		ug/kg	12	1.0
1,2,4-Trichlorobenzene	ND		ug/kg	12	2.0
1,3,5-Trimethylbenzene	ND		ug/kg	12	1.5
1,2,4-Trimethylbenzene	ND		ug/kg	12	1.4
Methyl Acetate	ND		ug/kg	50	1.2
Ethyl Acetate	ND		ug/kg	50	50.
Acrolein	ND		ug/kg	62	7.5
Cyclohexane	ND		ug/kg	50	0.31
1,4-Dioxane	ND		ug/kg	250	44.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	50	0.99
1,4-Diethylbenzene	ND		ug/kg	10	0.50
4-Ethyltoluene	ND		ug/kg	10	0.24
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	0.45
Tetrahydrofuran	ND		ug/kg	50	2.8
Ethyl ether	ND		ug/kg	12	0.95
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.7
Methyl cyclohexane	ND		ug/kg	10	1.7
Ethyl-Tert-Butyl-Ether	ND		ug/kg	10	2.2
Tertiary-Amyl Methyl Ether	ND		ug/kg	10	2.5
Ethyl Alcohol	ND		ug/kg	2500	520

Project Name: 348 LANGNER RD
Project Number: 0123-005-102
Lab Number: L1214974
Report Date: 08/24/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/12 08:22
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-08 Batch: WG556877-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,09-12 Batch: WG556616-1 WG556616-2								
Methylene chloride	110		108		70-130	2		30
1,1-Dichloroethane	99		97		70-130	2		30
Chloroform	100		98		70-130	2		30
Carbon tetrachloride	100		96		70-130	4		30
1,2-Dichloropropane	99		97		70-130	2		30
Dibromochloromethane	97		97		70-130	0		30
1,1,2-Trichloroethane	98		99		70-130	1		30
Tetrachloroethene	100		97		70-130	3		30
Chlorobenzene	100		98		70-130	2		30
Trichlorofluoromethane	105		102		70-139	3		30
1,2-Dichloroethane	96		96		70-130	0		30
1,1,1-Trichloroethane	97		94		70-130	3		30
Bromodichloromethane	96		95		70-130	1		30
trans-1,3-Dichloropropene	98		99		70-130	1		30
cis-1,3-Dichloropropene	100		99		70-130	1		30
1,1-Dichloropropene	98		96		70-130	2		30
Bromoform	98		98		70-130	0		30
1,1,2,2-Tetrachloroethane	97		97		70-130	0		30
Benzene	100		97		70-130	3		30
Toluene	98		96		70-130	2		30
Ethylbenzene	101		99		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-005-102

Lab Number: L1214974

Report Date: 08/24/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,09-12 Batch: WG556616-1 WG556616-2								
Chloromethane	97		93		52-130	4		30
Bromomethane	128		114		57-147	12		30
Vinyl chloride	103		97		67-130	6		30
Chloroethane	109		105		50-151	4		30
1,1-Dichloroethene	100		96		65-135	4		30
trans-1,2-Dichloroethene	99		97		70-130	2		30
Trichloroethene	99		96		70-130	3		30
1,2-Dichlorobenzene	100		98		70-130	2		30
1,3-Dichlorobenzene	103		100		70-130	3		30
1,4-Dichlorobenzene	100		99		70-130	1		30
Methyl tert butyl ether	98		98		66-130	0		30
p/m-Xylene	102		100		70-130	2		30
o-Xylene	104		101		70-130	3		30
cis-1,2-Dichloroethene	100		98		70-130	2		30
Dibromomethane	100		98		70-130	2		30
Styrene	104		102		70-130	2		30
Dichlorodifluoromethane	111		103		30-146	7		30
Acetone	102		97		54-140	5		30
Carbon disulfide	98		95		59-130	3		30
2-Butanone	100		98		70-130	2		30
Vinyl acetate	97		97		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,09-12 Batch: WG556616-1 WG556616-2								
4-Methyl-2-pentanone	88		89		70-130	1		30
1,2,3-Trichloropropane	86		88		68-130	2		30
2-Hexanone	93		91		70-130	2		30
Bromochloromethane	103		103		70-130	0		30
2,2-Dichloropropane	100		96		70-130	4		30
1,2-Dibromoethane	95		97		70-130	2		30
1,3-Dichloropropane	98		97		69-130	1		30
1,1,1,2-Tetrachloroethane	98		98		70-130	0		30
Bromobenzene	100		100		70-130	0		30
n-Butylbenzene	104		100		70-130	4		30
sec-Butylbenzene	102		99		70-130	3		30
tert-Butylbenzene	103		100		70-130	3		30
o-Chlorotoluene	103		101		70-130	2		30
p-Chlorotoluene	102		101		70-130	1		30
1,2-Dibromo-3-chloropropane	96		81		68-130	17		30
Hexachlorobutadiene	100		96		67-130	4		30
Isopropylbenzene	103		101		70-130	2		30
p-Isopropyltoluene	104		100		70-130	4		30
Naphthalene	94		96		70-130	2		30
Acrylonitrile	97		96		70-130	1		30
Isopropyl Ether	98		97		66-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,09-12 Batch: WG556616-1 WG556616-2								
tert-Butyl Alcohol	100		98		70-130	2		30
n-Propylbenzene	102		100		70-130	2		30
1,2,3-Trichlorobenzene	99		99		70-130	0		30
1,2,4-Trichlorobenzene	99		98		70-130	1		30
1,3,5-Trimethylbenzene	105		101		70-130	4		30
1,2,4-Trimethylbenzene	104		102		70-130	2		30
Methyl Acetate	90		91		70-130	1		30
Ethyl Acetate	94		92		70-130	2		30
Acrolein	92		92		70-130	0		30
Cyclohexane	111		105		70-130	6		30
1,4-Dioxane	83		83		65-136	0		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	115		109		70-130	5		30
1,4-Diethylbenzene	103		100		70-130	3		30
4-Ethyltoluene	104		101		70-130	3		30
1,2,4,5-Tetramethylbenzene	104		102		70-130	2		30
Tetrahydrofuran	94		93		66-130	1		30
Ethyl ether	100		100		67-130	0		30
trans-1,4-Dichloro-2-butene	93		95		70-130	2		30
Methyl cyclohexane	109		104		70-130	5		30
Ethyl-Tert-Butyl-Ether	100		98		70-130	2		30
Tertiary-Amyl Methyl Ether	100		99		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,09-12 Batch: WG556616-1 WG556616-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		95		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	102		103		70-130
Dibromofluoromethane	98		98		70-130

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-08 Batch: WG556877-1 WG556877-2								
Methylene chloride	110		113		70-130	3		30
1,1-Dichloroethane	98		100		70-130	2		30
Chloroform	99		101		70-130	2		30
Carbon tetrachloride	96		102		70-130	6		30
1,2-Dichloropropane	97		99		70-130	2		30
Dibromochloromethane	96		99		70-130	3		30
1,1,2-Trichloroethane	99		102		70-130	3		30
Tetrachloroethene	94		97		70-130	3		30
Chlorobenzene	97		99		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-005-102

Lab Number: L1214974

Report Date: 08/24/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-08 Batch: WG556877-1 WG556877-2								
Trichlorofluoromethane	102		110		70-139	8		30
1,2-Dichloroethane	97		100		70-130	3		30
1,1,1-Trichloroethane	94		100		70-130	6		30
Bromodichloromethane	97		99		70-130	2		30
trans-1,3-Dichloropropene	97		98		70-130	1		30
cis-1,3-Dichloropropene	97		99		70-130	2		30
1,1-Dichloropropene	94		100		70-130	6		30
Bromoform	96		96		70-130	0		30
1,1,2,2-Tetrachloroethane	95		99		70-130	4		30
Benzene	97		100		70-130	3		30
Toluene	93		96		70-130	3		30
Ethylbenzene	96		100		70-130	4		30
Chloromethane	100		105		52-130	5		30
Bromomethane	110		121		57-147	10		30
Vinyl chloride	102		106		67-130	4		30
Chloroethane	103		111		50-151	7		30
1,1-Dichloroethene	95		101		65-135	6		30
trans-1,2-Dichloroethene	96		98		70-130	2		30
Trichloroethene	96		100		70-130	4		30
1,2-Dichlorobenzene	96		99		70-130	3		30
1,3-Dichlorobenzene	98		100		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-08 Batch: WG556877-1 WG556877-2								
1,4-Dichlorobenzene	97		99		70-130	2		30
Methyl tert butyl ether	94		97		66-130	3		30
p/m-Xylene	98		100		70-130	2		30
o-Xylene	98		102		70-130	4		30
cis-1,2-Dichloroethene	98		99		70-130	1		30
Dibromomethane	100		103		70-130	3		30
Styrene	100		104		70-130	4		30
Dichlorodifluoromethane	111		120		30-146	8		30
Acetone	104		111		54-140	7		30
Carbon disulfide	95		101		59-130	6		30
2-Butanone	107		111		70-130	4		30
Vinyl acetate	102		103		70-130	1		30
4-Methyl-2-pentanone	90		91		70-130	1		30
1,2,3-Trichloropropane	84		88		68-130	5		30
2-Hexanone	95		97		70-130	2		30
Bromochloromethane	101		104		70-130	3		30
2,2-Dichloropropane	96		102		70-130	6		30
1,2-Dibromoethane	95		97		70-130	2		30
1,3-Dichloropropane	96		98		69-130	2		30
1,1,1,2-Tetrachloroethane	96		99		70-130	3		30
Bromobenzene	96		97		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-005-102

Lab Number: L1214974

Report Date: 08/24/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-08 Batch: WG556877-1 WG556877-2								
n-Butylbenzene	98		103		70-130	5		30
sec-Butylbenzene	97		100		70-130	3		30
tert-Butylbenzene	96		98		70-130	2		30
o-Chlorotoluene	97		99		70-130	2		30
p-Chlorotoluene	97		98		70-130	1		30
1,2-Dibromo-3-chloropropane	94		83		68-130	12		30
Hexachlorobutadiene	93		97		67-130	4		30
Isopropylbenzene	96		98		70-130	2		30
p-Isopropyltoluene	97		101		70-130	4		30
Naphthalene	91		92		70-130	1		30
Acrylonitrile	98		106		70-130	8		30
Isopropyl Ether	99		101		66-130	2		30
tert-Butyl Alcohol	97		99		70-130	2		30
n-Propylbenzene	97		100		70-130	3		30
1,2,3-Trichlorobenzene	93		95		70-130	2		30
1,2,4-Trichlorobenzene	94		96		70-130	2		30
1,3,5-Trimethylbenzene	98		100		70-130	2		30
1,2,4-Trimethylbenzene	99		100		70-130	1		30
Methyl Acetate	98		103		70-130	5		30
Ethyl Acetate	98		94		70-130	4		30
Acrolein	90		93		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-005-102

Lab Number: L1214974

Report Date: 08/24/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-08 Batch: WG556877-1 WG556877-2								
Cyclohexane	110		117		70-130	6		30
1,4-Dioxane	79		82		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	114		123		70-130	8		30
1,4-Diethylbenzene	97		101		70-130	4		30
4-Ethyltoluene	97		100		70-130	3		30
1,2,4,5-Tetramethylbenzene	97		99		70-130	2		30
Tetrahydrofuran	101		103		66-130	2		30
Ethyl ether	98		101		67-130	3		30
trans-1,4-Dichloro-2-butene	96		101		70-130	5		30
Methyl cyclohexane	104		113		70-130	8		30
Ethyl-Tert-Butyl-Ether	97		99		70-130	2		30
Tertiary-Amyl Methyl Ether	95		98		70-130	3		30
Ethyl Alcohol	**0**	Q	**0**	Q	70-130	NC		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		98		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	99		100		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,09-12 QC Batch ID: WG556616-4 WG556616-5 QC Sample: L1214974-03 Client ID: UST AREA 1 BOTTOM 2

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Methylene chloride	16.J	59.5	75	126		85	**143**	Q	70-130	12		30
1,1-Dichloroethane	ND	59.5	54	90		54	91		70-130	1		30
Chloroform	ND	59.5	54	91		55	92		70-130	1		30
Carbon tetrachloride	ND	59.5	55	92		55	92		70-130	0		30
1,2-Dichloropropane	ND	59.5	54	90		55	92		70-130	1		30
Dibromochloromethane	ND	59.5	51	85		54	91		70-130	6		30
1,1,2-Trichloroethane	ND	59.5	51	86		55	93		70-130	7		30
Tetrachloroethene	ND	59.5	53	89		53	88		70-130	0		30
Chlorobenzene	ND	59.5	52	87		54	91		70-130	4		30
Trichlorofluoromethane	ND	59.5	60	100		59	99		70-139	1		30
1,2-Dichloroethane	ND	59.5	52	88		54	91		70-130	4		30
1,1,1-Trichloroethane	ND	59.5	54	91		53	90		70-130	2		30
Bromodichloromethane	ND	59.5	52	87		53	89		70-130	2		30
trans-1,3-Dichloropropene	ND	59.5	51	85		54	91		70-130	7		30
cis-1,3-Dichloropropene	ND	59.5	52	87		55	92		70-130	5		30
1,1-Dichloropropene	ND	59.5	54	90		53	89		70-130	1		30
Bromoform	ND	59.5	49	82		54	91		70-130	10		30
1,1,2,2-Tetrachloroethane	ND	59.5	48	81		53	90		70-130	10		30
Benzene	ND	59.5	54	90		54	91		70-130	1		30
Toluene	ND	59.5	52	87		54	90		70-130	3		30
Ethylbenzene	ND	59.5	53	89		54	91		70-130	2		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,09-12 QC Batch ID: WG556616-4 WG556616-5 QC Sample: L1214974-03
Client ID: UST AREA 1 BOTTOM 2

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Chloromethane	ND	59.5	53	89		53	89		52-130	0		30
Bromomethane	ND	59.5	65	109		62	104		57-147	4		30
Vinyl chloride	ND	59.5	57	95		56	94		67-130	2		30
Chloroethane	ND	59.5	59	100		59	99		50-151	0		30
1,1-Dichloroethene	ND	59.5	55	93		54	90		65-135	3		30
trans-1,2-Dichloroethene	ND	59.5	54	90		54	91		70-130	1		30
Trichloroethene	ND	59.5	54	91		55	93		70-130	2		30
1,2-Dichlorobenzene	ND	59.5	49	82		52	88		70-130	7		30
1,3-Dichlorobenzene	ND	59.5	49	83		52	88		70-130	6		30
1,4-Dichlorobenzene	ND	59.5	49	82		52	86		70-130	5		30
Methyl tert butyl ether	100	59.5	160	92		190	**154**	Q	66-130	21		30
p/m-Xylene	ND	119	110	90		110	92		70-130	2		30
o-Xylene	ND	119	110	91		110	93		70-130	3		30
cis-1,2-Dichloroethene	ND	59.5	54	90		55	92		70-130	2		30
Dibromomethane	ND	59.5	53	89		55	92		70-130	3		30
Styrene	ND	119	110	90		110	92		70-130	3		30
Dichlorodifluoromethane	ND	59.5	62	105		61	102		30-146	3		30
Acetone	28.J	59.5	77	129		82	138		54-140	7		30
Carbon disulfide	ND	59.5	54	91		54	90		59-130	1		30
2-Butanone	ND	59.5	56	93		60	100		70-130	7		30
Vinyl acetate	ND	59.5	40	**68**	Q	41	**69**	Q	70-130	2		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,09-12 QC Batch ID: WG556616-4 WG556616-5 QC Sample: L1214974-03 Client ID: UST AREA 1 BOTTOM 2												
4-Methyl-2-pentanone	ND	59.5	46	77		52	86		70-130	11		30
1,2,3-Trichloropropane	ND	59.5	43	72		47	80		68-130	10		30
2-Hexanone	ND	59.5	47	78		52	88		70-130	11		30
Bromochloromethane	ND	59.5	55	93		56	95		70-130	2		30
2,2-Dichloropropane	ND	59.5	55	92		54	91		70-130	1		30
1,2-Dibromoethane	ND	59.5	50	83		54	90		70-130	8		30
1,3-Dichloropropane	ND	59.5	51	86		54	91		69-130	6		30
1,1,1,2-Tetrachloroethane	ND	59.5	52	87		54	91		70-130	5		30
Bromobenzene	ND	59.5	50	84		54	90		70-130	7		30
n-Butylbenzene	ND	59.5	51	86		53	89		70-130	3		30
sec-Butylbenzene	ND	59.5	53	89		54	91		70-130	2		30
tert-Butylbenzene	ND	59.5	53	88		55	92		70-130	3		30
o-Chlorotoluene	ND	59.5	52	88		54	91		70-130	4		30
p-Chlorotoluene	ND	59.5	51	85		53	90		70-130	5		30
1,2-Dibromo-3-chloropropane	ND	59.5	48	81		52	87		68-130	6		30
Hexachlorobutadiene	ND	59.5	45	76		48	81		67-130	6		30
Isopropylbenzene	ND	59.5	53	89		55	92		70-130	3		30
p-Isopropyltoluene	ND	59.5	52	88		54	90		70-130	2		30
Acrylonitrile	ND	59.5	50	84		55	92		70-130	9		30
n-Propylbenzene	ND	59.5	52	88		55	92		70-130	4		30
1,2,3-Trichlorobenzene	ND	59.5	39	**66**	Q	45	75		70-130	13		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,09-12 QC Batch ID: WG556616-4 WG556616-5 QC Sample: L1214974-03 Client ID: UST AREA 1 BOTTOM 2												
1,2,4-Trichlorobenzene	ND	59.5	40	**68**	Q	45	76		70-130	11		30
1,3,5-Trimethylbenzene	ND	59.5	53	88		55	92		70-130	4		30
1,2,4-Trimethylbenzene	ND	59.5	52	88		55	92		70-130	5		30
1,4-Dioxane	ND	2980	2200	75		2500	83		65-136	10		30
1,4-Diethylbenzene	ND	59.5	51	85		53	89		70-130	4		30
4-Ethyltoluene	ND	59.5	52	88		55	93		70-130	5		30
1,2,4,5-Tetramethylbenzene	ND	59.5	48	81		51	86		70-130	6		30
Ethyl ether	ND	59.5	57	96		60	101		67-130	5		30
trans-1,4-Dichloro-2-butene	ND	59.5	48	80		52	87		70-130	8		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
4-Bromofluorobenzene	100		103		70-130
Dibromofluoromethane	99		100		70-130
Toluene-d8	101		101		70-130

SEMIVOLATILES

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID:	L1214974-01	Date Collected:	08/20/12 09:00
Client ID:	UST AREA 1 BOTTOM 1	Date Received:	08/22/12
Sample Location:	348 LANGNER RD	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/22/12 02:41
Analytical Date:	08/23/12 10:33		
Analyst:	RC		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	56.	1
Hexachlorobenzene	ND		ug/kg	110	30.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	36.	1
2-Chloronaphthalene	ND		ug/kg	190	57.	1
1,2-Dichlorobenzene	ND		ug/kg	190	56.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	54.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	69.	1
2,4-Dinitrotoluene	ND		ug/kg	190	57.	1
2,6-Dinitrotoluene	ND		ug/kg	190	62.	1
Fluoranthene	ND		ug/kg	110	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	34.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	54.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	48.	1
Hexachlorobutadiene	ND		ug/kg	190	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	150	1
Hexachloroethane	ND		ug/kg	150	28.	1
Isophorone	ND		ug/kg	170	45.	1
Naphthalene	ND		ug/kg	190	60.	1
Nitrobenzene	ND		ug/kg	170	56.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	48.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	53.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	39.	1
Butyl benzyl phthalate	ND		ug/kg	190	53.	1
Di-n-butylphthalate	ND		ug/kg	190	32.	1
Di-n-octylphthalate	ND		ug/kg	190	51.	1
Diethyl phthalate	ND		ug/kg	190	33.	1
Dimethyl phthalate	ND		ug/kg	190	31.	1
Benzo(a)anthracene	ND		ug/kg	110	38.	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-01 Date Collected: 08/20/12 09:00

Client ID: UST AREA 1 BOTTOM 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	34.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	30.	1
Acenaphthylene	ND		ug/kg	150	49.	1
Anthracene	ND		ug/kg	110	26.	1
Benzo(ghi)perylene	ND		ug/kg	150	48.	1
Fluorene	ND		ug/kg	190	35.	1
Phenanthrene	ND		ug/kg	110	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	46.	1
Pyrene	ND		ug/kg	110	31.	1
Biphenyl	ND		ug/kg	430	130	1
4-Chloroaniline	ND		ug/kg	190	64.	1
2-Nitroaniline	ND		ug/kg	190	35.	1
3-Nitroaniline	ND		ug/kg	190	21.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	ND		ug/kg	190	39.	1
2-Methylnaphthalene	ND		ug/kg	230	75.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	61.	1
Acetophenone	ND		ug/kg	190	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	39.	1
2-Chlorophenol	ND		ug/kg	190	60.	1
2,4-Dichlorophenol	ND		ug/kg	170	55.	1
2,4-Dimethylphenol	ND		ug/kg	190	78.	1
2-Nitrophenol	ND		ug/kg	410	140	1
4-Nitrophenol	ND		ug/kg	270	81.	1
2,4-Dinitrophenol	ND		ug/kg	910	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	180	1
Pentachlorophenol	ND		ug/kg	150	45.	1
Phenol	ND		ug/kg	190	60.	1
2-Methylphenol	ND		ug/kg	190	47.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	82.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	44.	1
Benzoic Acid	ND		ug/kg	620	160	1
Benzyl Alcohol	ND		ug/kg	190	44.	1
Carbazole	ND		ug/kg	190	31.	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-01 Date Collected: 08/20/12 09:00

Client ID: UST AREA 1 BOTTOM 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	86		0-136
4-Terphenyl-d14	103		18-120

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID:	L1214974-02	Date Collected:	08/20/12 10:00
Client ID:	UST AREA 1 WEST WALL 1	Date Received:	08/22/12
Sample Location:	348 LANGNER RD	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/22/12 02:41
Analytical Date:	08/23/12 10:59		
Analyst:	RC		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	56.	1
Hexachlorobenzene	ND		ug/kg	120	30.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	36.	1
2-Chloronaphthalene	ND		ug/kg	190	58.	1
1,2-Dichlorobenzene	ND		ug/kg	190	57.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	70.	1
2,4-Dinitrotoluene	ND		ug/kg	190	58.	1
2,6-Dinitrotoluene	ND		ug/kg	190	63.	1
Fluoranthene	ND		ug/kg	120	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	34.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	54.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	48.	1
Hexachlorobutadiene	ND		ug/kg	190	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	150	1
Hexachloroethane	ND		ug/kg	150	28.	1
Isophorone	ND		ug/kg	170	46.	1
Naphthalene	ND		ug/kg	190	61.	1
Nitrobenzene	ND		ug/kg	170	56.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	48.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	40.	1
Butyl benzyl phthalate	ND		ug/kg	190	54.	1
Di-n-butylphthalate	ND		ug/kg	190	33.	1
Di-n-octylphthalate	ND		ug/kg	190	52.	1
Diethyl phthalate	ND		ug/kg	190	33.	1
Dimethyl phthalate	ND		ug/kg	190	32.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-02 Date Collected: 08/20/12 10:00

Client ID: UST AREA 1 WEST WALL 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	30.	1
Chrysene	ND		ug/kg	120	30.	1
Acenaphthylene	ND		ug/kg	150	50.	1
Anthracene	ND		ug/kg	120	27.	1
Benzo(ghi)perylene	ND		ug/kg	150	49.	1
Fluorene	ND		ug/kg	190	36.	1
Phenanthrene	ND		ug/kg	120	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	36.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	47.	1
Pyrene	ND		ug/kg	120	32.	1
Biphenyl	ND		ug/kg	440	130	1
4-Chloroaniline	ND		ug/kg	190	65.	1
2-Nitroaniline	ND		ug/kg	190	35.	1
3-Nitroaniline	ND		ug/kg	190	22.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	ND		ug/kg	190	40.	1
2-Methylnaphthalene	ND		ug/kg	230	76.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	61.	1
Acetophenone	ND		ug/kg	190	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	39.	1
2-Chlorophenol	ND		ug/kg	190	60.	1
2,4-Dichlorophenol	ND		ug/kg	170	56.	1
2,4-Dimethylphenol	ND		ug/kg	190	80.	1
2-Nitrophenol	ND		ug/kg	420	140	1
4-Nitrophenol	ND		ug/kg	270	82.	1
2,4-Dinitrophenol	ND		ug/kg	930	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	180	1
Pentachlorophenol	ND		ug/kg	150	46.	1
Phenol	ND		ug/kg	190	61.	1
2-Methylphenol	ND		ug/kg	190	48.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	83.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	45.	1
Benzoic Acid	ND		ug/kg	620	160	1
Benzyl Alcohol	ND		ug/kg	190	45.	1
Carbazole	ND		ug/kg	190	31.	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-02 Date Collected: 08/20/12 10:00

Client ID: UST AREA 1 WEST WALL 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	91		0-136
4-Terphenyl-d14	95		18-120

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID:	L1214974-03	Date Collected:	08/20/12 15:00
Client ID:	UST AREA 1 BOTTOM 2	Date Received:	08/22/12
Sample Location:	348 LANGNER RD	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/22/12 02:41
Analytical Date:	08/23/12 11:25		
Analyst:	RC		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	56.	1
Hexachlorobenzene	ND		ug/kg	120	30.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	36.	1
2-Chloronaphthalene	ND		ug/kg	190	58.	1
1,2-Dichlorobenzene	ND		ug/kg	190	56.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	69.	1
2,4-Dinitrotoluene	ND		ug/kg	190	58.	1
2,6-Dinitrotoluene	ND		ug/kg	190	63.	1
Fluoranthene	ND		ug/kg	120	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	34.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	54.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	48.	1
Hexachlorobutadiene	ND		ug/kg	190	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	150	1
Hexachloroethane	ND		ug/kg	150	28.	1
Isophorone	ND		ug/kg	170	46.	1
Naphthalene	ND		ug/kg	190	61.	1
Nitrobenzene	ND		ug/kg	170	56.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	48.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	40.	1
Butyl benzyl phthalate	ND		ug/kg	190	54.	1
Di-n-butylphthalate	ND		ug/kg	190	33.	1
Di-n-octylphthalate	ND		ug/kg	190	52.	1
Diethyl phthalate	ND		ug/kg	190	33.	1
Dimethyl phthalate	ND		ug/kg	190	32.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-03 Date Collected: 08/20/12 15:00

Client ID: UST AREA 1 BOTTOM 2 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	30.	1
Chrysene	ND		ug/kg	120	30.	1
Acenaphthylene	ND		ug/kg	150	50.	1
Anthracene	ND		ug/kg	120	27.	1
Benzo(ghi)perylene	ND		ug/kg	150	48.	1
Fluorene	ND		ug/kg	190	35.	1
Phenanthrene	ND		ug/kg	120	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	36.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	47.	1
Pyrene	ND		ug/kg	120	32.	1
Biphenyl	ND		ug/kg	440	130	1
4-Chloroaniline	ND		ug/kg	190	65.	1
2-Nitroaniline	ND		ug/kg	190	35.	1
3-Nitroaniline	ND		ug/kg	190	22.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	ND		ug/kg	190	40.	1
2-Methylnaphthalene	ND		ug/kg	230	76.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	61.	1
Acetophenone	ND		ug/kg	190	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	39.	1
2-Chlorophenol	ND		ug/kg	190	60.	1
2,4-Dichlorophenol	ND		ug/kg	170	56.	1
2,4-Dimethylphenol	ND		ug/kg	190	79.	1
2-Nitrophenol	ND		ug/kg	420	140	1
4-Nitrophenol	ND		ug/kg	270	82.	1
2,4-Dinitrophenol	ND		ug/kg	920	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	180	1
Pentachlorophenol	ND		ug/kg	150	46.	1
Phenol	ND		ug/kg	190	60.	1
2-Methylphenol	ND		ug/kg	190	47.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	83.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	45.	1
Benzoic Acid	ND		ug/kg	620	160	1
Benzyl Alcohol	ND		ug/kg	190	45.	1
Carbazole	ND		ug/kg	190	31.	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-03 Date Collected: 08/20/12 15:00

Client ID: UST AREA 1 BOTTOM 2 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	84		0-136
4-Terphenyl-d14	102		18-120

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID:	L1214974-04	Date Collected:	08/21/12 09:50
Client ID:	UST AREA 1 EAST WALL 1	Date Received:	08/22/12
Sample Location:	348 LANGNER RD	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/22/12 02:41
Analytical Date:	08/23/12 11:51		
Analyst:	RC		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	44.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	60.	1
Hexachlorobenzene	ND		ug/kg	120	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	39.	1
2-Chloronaphthalene	ND		ug/kg	200	62.	1
1,2-Dichlorobenzene	ND		ug/kg	200	60.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	74.	1
2,4-Dinitrotoluene	ND		ug/kg	200	62.	1
2,6-Dinitrotoluene	ND		ug/kg	200	68.	1
Fluoranthene	ND		ug/kg	120	27.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	36.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	58.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	52.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	160	1
Hexachloroethane	ND		ug/kg	160	30.	1
Isophorone	ND		ug/kg	180	49.	1
Naphthalene	ND		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	60.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	52.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	57.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	42.	1
Butyl benzyl phthalate	ND		ug/kg	200	58.	1
Di-n-butylphthalate	ND		ug/kg	200	35.	1
Di-n-octylphthalate	ND		ug/kg	200	55.	1
Diethyl phthalate	ND		ug/kg	200	36.	1
Dimethyl phthalate	ND		ug/kg	200	34.	1
Benzo(a)anthracene	ND		ug/kg	120	41.	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-04 Date Collected: 08/21/12 09:50

Client ID: UST AREA 1 EAST WALL 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	36.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	32.	1
Acenaphthylene	ND		ug/kg	160	53.	1
Anthracene	ND		ug/kg	120	28.	1
Benzo(ghi)perylene	ND		ug/kg	160	52.	1
Fluorene	ND		ug/kg	200	38.	1
Phenanthrene	ND		ug/kg	120	34.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	50.	1
Pyrene	ND		ug/kg	120	34.	1
Biphenyl	ND		ug/kg	470	140	1
4-Chloroaniline	ND		ug/kg	200	69.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	23.	1
4-Nitroaniline	ND		ug/kg	200	120	1
Dibenzofuran	ND		ug/kg	200	42.	1
2-Methylnaphthalene	ND		ug/kg	250	81.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	65.	1
Acetophenone	ND		ug/kg	200	66.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	42.	1
2-Chlorophenol	ND		ug/kg	200	64.	1
2,4-Dichlorophenol	ND		ug/kg	180	60.	1
2,4-Dimethylphenol	ND		ug/kg	200	85.	1
2-Nitrophenol	ND		ug/kg	440	150	1
4-Nitrophenol	ND		ug/kg	290	88.	1
2,4-Dinitrophenol	ND		ug/kg	980	320	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	190	1
Pentachlorophenol	ND		ug/kg	160	49.	1
Phenol	ND		ug/kg	200	64.	1
2-Methylphenol	ND		ug/kg	200	50.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	89.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	48.	1
Benzoic Acid	ND		ug/kg	660	170	1
Benzyl Alcohol	ND		ug/kg	200	48.	1
Carbazole	ND		ug/kg	200	33.	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-04 Date Collected: 08/21/12 09:50

Client ID: UST AREA 1 EAST WALL 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	81		0-136
4-Terphenyl-d14	93		18-120

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID:	L1214974-05	Date Collected:	08/21/12 08:00
Client ID:	BLIND DUP 1	Date Received:	08/22/12
Sample Location:	348 LANGNER RD	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/22/12 02:41
Analytical Date:	08/23/12 12:16		
Analyst:	RC		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	58.	1
Hexachlorobenzene	ND		ug/kg	120	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	38.	1
2-Chloronaphthalene	ND		ug/kg	200	60.	1
1,2-Dichlorobenzene	ND		ug/kg	200	59.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	72.	1
2,4-Dinitrotoluene	ND		ug/kg	200	60.	1
2,6-Dinitrotoluene	ND		ug/kg	200	66.	1
Fluoranthene	ND		ug/kg	120	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	35.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	41.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	56.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	50.	1
Hexachlorobutadiene	ND		ug/kg	200	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	160	1
Hexachloroethane	ND		ug/kg	160	29.	1
Isophorone	ND		ug/kg	180	48.	1
Naphthalene	ND		ug/kg	200	63.	1
Nitrobenzene	ND		ug/kg	180	58.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	50.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	41.	1
Butyl benzyl phthalate	ND		ug/kg	200	56.	1
Di-n-butylphthalate	ND		ug/kg	200	34.	1
Di-n-octylphthalate	ND		ug/kg	200	54.	1
Diethyl phthalate	ND		ug/kg	200	34.	1
Dimethyl phthalate	ND		ug/kg	200	33.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-05 Date Collected: 08/21/12 08:00

Client ID: BLIND DUP 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	31.	1
Acenaphthylene	ND		ug/kg	160	52.	1
Anthracene	ND		ug/kg	120	28.	1
Benzo(ghi)perylene	ND		ug/kg	160	50.	1
Fluorene	ND		ug/kg	200	37.	1
Phenanthrene	ND		ug/kg	120	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	37.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	49.	1
Pyrene	ND		ug/kg	120	33.	1
Biphenyl	ND		ug/kg	450	140	1
4-Chloroaniline	ND		ug/kg	200	67.	1
2-Nitroaniline	ND		ug/kg	200	37.	1
3-Nitroaniline	ND		ug/kg	200	22.	1
4-Nitroaniline	ND		ug/kg	200	120	1
Dibenzofuran	ND		ug/kg	200	41.	1
2-Methylnaphthalene	ND		ug/kg	240	78.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	64.	1
Acetophenone	ND		ug/kg	200	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	200	41.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	58.	1
2,4-Dimethylphenol	ND		ug/kg	200	82.	1
2-Nitrophenol	ND		ug/kg	430	140	1
4-Nitrophenol	ND		ug/kg	280	85.	1
2,4-Dinitrophenol	ND		ug/kg	960	310	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	190	1
Pentachlorophenol	ND		ug/kg	160	47.	1
Phenol	ND		ug/kg	200	63.	1
2-Methylphenol	ND		ug/kg	200	49.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	86.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	46.	1
Benzoic Acid	ND		ug/kg	650	170	1
Benzyl Alcohol	ND		ug/kg	200	46.	1
Carbazole	ND		ug/kg	200	32.	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-05 Date Collected: 08/21/12 08:00

Client ID: BLIND DUP 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	76		0-136
4-Terphenyl-d14	94		18-120

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID:	L1214974-06	Date Collected:	08/21/12 10:10
Client ID:	UST AREA 1 NORTH WALL 1	Date Received:	08/22/12
Sample Location:	348 LANGNER RD	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/22/12 02:41
Analytical Date:	08/23/12 12:42		
Analyst:	RC		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	44.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	59.	1
Hexachlorobenzene	ND		ug/kg	120	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	38.	1
2-Chloronaphthalene	ND		ug/kg	200	61.	1
1,2-Dichlorobenzene	ND		ug/kg	200	60.	1
1,3-Dichlorobenzene	ND		ug/kg	200	63.	1
1,4-Dichlorobenzene	ND		ug/kg	200	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	73.	1
2,4-Dinitrotoluene	ND		ug/kg	200	61.	1
2,6-Dinitrotoluene	ND		ug/kg	200	67.	1
Fluoranthene	ND		ug/kg	120	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	36.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	57.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	51.	1
Hexachlorobutadiene	ND		ug/kg	200	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	160	1
Hexachloroethane	ND		ug/kg	160	29.	1
Isophorone	ND		ug/kg	180	48.	1
Naphthalene	ND		ug/kg	200	64.	1
Nitrobenzene	ND		ug/kg	180	59.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	51.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	57.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	42.	1
Butyl benzyl phthalate	ND		ug/kg	200	57.	1
Di-n-butylphthalate	ND		ug/kg	200	35.	1
Di-n-octylphthalate	ND		ug/kg	200	55.	1
Diethyl phthalate	ND		ug/kg	200	35.	1
Dimethyl phthalate	ND		ug/kg	200	34.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-06 Date Collected: 08/21/12 10:10

Client ID: UST AREA 1 NORTH WALL 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	36.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	32.	1
Acenaphthylene	ND		ug/kg	160	53.	1
Anthracene	ND		ug/kg	120	28.	1
Benzo(ghi)perylene	ND		ug/kg	160	51.	1
Fluorene	ND		ug/kg	200	37.	1
Phenanthrene	ND		ug/kg	120	34.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	50.	1
Pyrene	ND		ug/kg	120	33.	1
Biphenyl	ND		ug/kg	460	140	1
4-Chloroaniline	ND		ug/kg	200	68.	1
2-Nitroaniline	ND		ug/kg	200	37.	1
3-Nitroaniline	ND		ug/kg	200	23.	1
4-Nitroaniline	ND		ug/kg	200	120	1
Dibenzofuran	ND		ug/kg	200	42.	1
2-Methylnaphthalene	ND		ug/kg	240	80.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	65.	1
Acetophenone	ND		ug/kg	200	65.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	42.	1
2-Chlorophenol	ND		ug/kg	200	64.	1
2,4-Dichlorophenol	ND		ug/kg	180	59.	1
2,4-Dimethylphenol	ND		ug/kg	200	84.	1
2-Nitrophenol	ND		ug/kg	440	150	1
4-Nitrophenol	ND		ug/kg	280	87.	1
2,4-Dinitrophenol	ND		ug/kg	980	310	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	190	1
Pentachlorophenol	ND		ug/kg	160	48.	1
Phenol	ND		ug/kg	200	64.	1
2-Methylphenol	ND		ug/kg	200	50.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	88.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	47.	1
Benzoic Acid	ND		ug/kg	660	170	1
Benzyl Alcohol	ND		ug/kg	200	47.	1
Carbazole	ND		ug/kg	200	33.	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-06 Date Collected: 08/21/12 10:10

Client ID: UST AREA 1 NORTH WALL 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	85		0-136
4-Terphenyl-d14	99		18-120

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID:	L1214974-07	Date Collected:	08/21/12 14:30
Client ID:	UST AREA 1 SOUTH WALL 1	Date Received:	08/22/12
Sample Location:	348 LANGNER RD	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/22/12 02:41
Analytical Date:	08/23/12 13:07		
Analyst:	RC		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	58.	1
Hexachlorobenzene	ND		ug/kg	120	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	37.	1
2-Chloronaphthalene	ND		ug/kg	200	59.	1
1,2-Dichlorobenzene	ND		ug/kg	200	58.	1
1,3-Dichlorobenzene	ND		ug/kg	200	61.	1
1,4-Dichlorobenzene	ND		ug/kg	200	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	71.	1
2,4-Dinitrotoluene	ND		ug/kg	200	59.	1
2,6-Dinitrotoluene	ND		ug/kg	200	65.	1
Fluoranthene	41	J	ug/kg	120	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	35.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	41.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	56.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	50.	1
Hexachlorobutadiene	ND		ug/kg	200	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	160	1
Hexachloroethane	ND		ug/kg	160	28.	1
Isophorone	ND		ug/kg	180	47.	1
Naphthalene	250		ug/kg	200	63.	1
Nitrobenzene	ND		ug/kg	180	58.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	50.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	55.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	41.	1
Butyl benzyl phthalate	ND		ug/kg	200	55.	1
Di-n-butylphthalate	ND		ug/kg	200	34.	1
Di-n-octylphthalate	ND		ug/kg	200	53.	1
Diethyl phthalate	ND		ug/kg	200	34.	1
Dimethyl phthalate	ND		ug/kg	200	33.	1
Benzo(a)anthracene	ND		ug/kg	120	39.	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-07 Date Collected: 08/21/12 14:30

Client ID: UST AREA 1 SOUTH WALL 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	30.	1
Chrysene	ND		ug/kg	120	31.	1
Acenaphthylene	ND		ug/kg	160	51.	1
Anthracene	ND		ug/kg	120	27.	1
Benzo(ghi)perylene	ND		ug/kg	160	50.	1
Fluorene	ND		ug/kg	200	36.	1
Phenanthrene	ND		ug/kg	120	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	37.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	48.	1
Pyrene	33	J	ug/kg	120	32.	1
Biphenyl	ND		ug/kg	450	140	1
4-Chloroaniline	ND		ug/kg	200	66.	1
2-Nitroaniline	ND		ug/kg	200	36.	1
3-Nitroaniline	ND		ug/kg	200	22.	1
4-Nitroaniline	ND		ug/kg	200	120	1
Dibenzofuran	ND		ug/kg	200	41.	1
2-Methylnaphthalene	ND		ug/kg	240	78.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	200	40.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	57.	1
2,4-Dimethylphenol	ND		ug/kg	200	81.	1
2-Nitrophenol	ND		ug/kg	430	140	1
4-Nitrophenol	ND		ug/kg	280	84.	1
2,4-Dinitrophenol	ND		ug/kg	950	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	190	1
Pentachlorophenol	ND		ug/kg	160	47.	1
Phenol	ND		ug/kg	200	62.	1
2-Methylphenol	ND		ug/kg	200	49.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	85.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	46.	1
Benzoic Acid	ND		ug/kg	640	170	1
Benzyl Alcohol	ND		ug/kg	200	46.	1
Carbazole	ND		ug/kg	200	32.	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-07 Date Collected: 08/21/12 14:30

Client ID: UST AREA 1 SOUTH WALL 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	96		18-120

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID:	L1214974-08	Date Collected:	08/21/12 14:45
Client ID:	UST AREA 1 SOUTH WALL 2	Date Received:	08/22/12
Sample Location:	348 LANGNER RD	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/22/12 02:41
Analytical Date:	08/23/12 13:33		
Analyst:	RC		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	58.	1
Hexachlorobenzene	ND		ug/kg	120	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	38.	1
2-Chloronaphthalene	ND		ug/kg	200	60.	1
1,2-Dichlorobenzene	ND		ug/kg	200	59.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	72.	1
2,4-Dinitrotoluene	ND		ug/kg	200	60.	1
2,6-Dinitrotoluene	ND		ug/kg	200	66.	1
Fluoranthene	ND		ug/kg	120	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	35.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	41.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	56.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	50.	1
Hexachlorobutadiene	ND		ug/kg	200	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	160	1
Hexachloroethane	ND		ug/kg	160	29.	1
Isophorone	ND		ug/kg	180	48.	1
Naphthalene	ND		ug/kg	200	63.	1
Nitrobenzene	ND		ug/kg	180	58.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	50.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	41.	1
Butyl benzyl phthalate	ND		ug/kg	200	56.	1
Di-n-butylphthalate	ND		ug/kg	200	34.	1
Di-n-octylphthalate	ND		ug/kg	200	54.	1
Diethyl phthalate	ND		ug/kg	200	35.	1
Dimethyl phthalate	ND		ug/kg	200	33.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-08 Date Collected: 08/21/12 14:45

Client ID: UST AREA 1 SOUTH WALL 2 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	31.	1
Acenaphthylene	ND		ug/kg	160	52.	1
Anthracene	ND		ug/kg	120	28.	1
Benzo(ghi)perylene	ND		ug/kg	160	50.	1
Fluorene	ND		ug/kg	200	37.	1
Phenanthrene	ND		ug/kg	120	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	37.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	49.	1
Pyrene	ND		ug/kg	120	33.	1
Biphenyl	ND		ug/kg	460	140	1
4-Chloroaniline	ND		ug/kg	200	67.	1
2-Nitroaniline	ND		ug/kg	200	37.	1
3-Nitroaniline	ND		ug/kg	200	22.	1
4-Nitroaniline	ND		ug/kg	200	120	1
Dibenzofuran	ND		ug/kg	200	41.	1
2-Methylnaphthalene	ND		ug/kg	240	79.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	64.	1
Acetophenone	ND		ug/kg	200	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	41.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	58.	1
2,4-Dimethylphenol	ND		ug/kg	200	82.	1
2-Nitrophenol	ND		ug/kg	430	140	1
4-Nitrophenol	ND		ug/kg	280	85.	1
2,4-Dinitrophenol	ND		ug/kg	960	310	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	190	1
Pentachlorophenol	ND		ug/kg	160	47.	1
Phenol	ND		ug/kg	200	63.	1
2-Methylphenol	ND		ug/kg	200	49.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	86.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	46.	1
Benzoic Acid	ND		ug/kg	650	170	1
Benzyl Alcohol	ND		ug/kg	200	46.	1
Carbazole	ND		ug/kg	200	32.	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-08 Date Collected: 08/21/12 14:45

Client ID: UST AREA 1 SOUTH WALL 2 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	89		0-136
4-Terphenyl-d14	91		18-120

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID:	L1214974-09	Date Collected:	08/21/12 15:00
Client ID:	UST AREA 1 EAST WALL 2	Date Received:	08/22/12
Sample Location:	348 LANGNER RD	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/22/12 02:41
Analytical Date:	08/23/12 13:59		
Analyst:	RC		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	57.	1
Hexachlorobenzene	ND		ug/kg	120	30.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	37.	1
2-Chloronaphthalene	ND		ug/kg	190	58.	1
1,2-Dichlorobenzene	ND		ug/kg	190	57.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	70.	1
2,4-Dinitrotoluene	ND		ug/kg	190	58.	1
2,6-Dinitrotoluene	ND		ug/kg	190	64.	1
Fluoranthene	ND		ug/kg	120	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	34.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	55.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	49.	1
Hexachlorobutadiene	ND		ug/kg	190	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	150	1
Hexachloroethane	ND		ug/kg	160	28.	1
Isophorone	ND		ug/kg	180	46.	1
Naphthalene	ND		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	180	57.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	49.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	40.	1
Butyl benzyl phthalate	ND		ug/kg	190	55.	1
Di-n-butylphthalate	ND		ug/kg	190	33.	1
Di-n-octylphthalate	ND		ug/kg	190	53.	1
Diethyl phthalate	ND		ug/kg	190	34.	1
Dimethyl phthalate	ND		ug/kg	190	32.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-09 Date Collected: 08/21/12 15:00

Client ID: UST AREA 1 EAST WALL 2 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	46.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	30.	1
Chrysene	ND		ug/kg	120	30.	1
Acenaphthylene	ND		ug/kg	160	50.	1
Anthracene	ND		ug/kg	120	27.	1
Benzo(ghi)perylene	ND		ug/kg	160	49.	1
Fluorene	ND		ug/kg	190	36.	1
Phenanthrene	ND		ug/kg	120	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	36.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	48.	1
Pyrene	ND		ug/kg	120	32.	1
Biphenyl	ND		ug/kg	440	140	1
4-Chloroaniline	ND		ug/kg	190	66.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	22.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	ND		ug/kg	190	40.	1
2-Methylnaphthalene	210	J	ug/kg	230	77.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	62.	1
Acetophenone	ND		ug/kg	190	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	40.	1
2-Chlorophenol	ND		ug/kg	190	61.	1
2,4-Dichlorophenol	ND		ug/kg	180	57.	1
2,4-Dimethylphenol	ND		ug/kg	190	80.	1
2-Nitrophenol	ND		ug/kg	420	140	1
4-Nitrophenol	ND		ug/kg	270	83.	1
2,4-Dinitrophenol	ND		ug/kg	940	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	180	1
Pentachlorophenol	ND		ug/kg	160	46.	1
Phenol	ND		ug/kg	190	61.	1
2-Methylphenol	ND		ug/kg	190	48.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	84.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	45.	1
Benzoic Acid	ND		ug/kg	630	160	1
Benzyl Alcohol	ND		ug/kg	190	45.	1
Carbazole	ND		ug/kg	190	31.	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-09 Date Collected: 08/21/12 15:00

Client ID: UST AREA 1 EAST WALL 2 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	103		25-120
Phenol-d6	104		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	95		30-120
2,4,6-Tribromophenol	95		0-136
4-Terphenyl-d14	103		18-120

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID:	L1214974-10	Date Collected:	08/21/12 10:25
Client ID:	UST AREA 1 WEST WALL 2	Date Received:	08/22/12
Sample Location:	348 LANGNER RD	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/22/12 02:41
Analytical Date:	08/23/12 14:24		
Analyst:	RC		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	55.	1
Hexachlorobenzene	ND		ug/kg	110	29.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	36.	1
2-Chloronaphthalene	ND		ug/kg	190	57.	1
1,2-Dichlorobenzene	ND		ug/kg	190	56.	1
1,3-Dichlorobenzene	ND		ug/kg	190	58.	1
1,4-Dichlorobenzene	ND		ug/kg	190	54.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	68.	1
2,4-Dinitrotoluene	ND		ug/kg	190	57.	1
2,6-Dinitrotoluene	ND		ug/kg	190	62.	1
Fluoranthene	ND		ug/kg	110	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	33.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	53.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	48.	1
Hexachlorobutadiene	ND		ug/kg	190	50.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	150	1
Hexachloroethane	ND		ug/kg	150	27.	1
Isophorone	ND		ug/kg	170	45.	1
Naphthalene	ND		ug/kg	190	60.	1
Nitrobenzene	ND		ug/kg	170	55.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	47.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	53.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	39.	1
Butyl benzyl phthalate	ND		ug/kg	190	53.	1
Di-n-butylphthalate	ND		ug/kg	190	32.	1
Di-n-octylphthalate	ND		ug/kg	190	51.	1
Diethyl phthalate	ND		ug/kg	190	33.	1
Dimethyl phthalate	ND		ug/kg	190	31.	1
Benzo(a)anthracene	ND		ug/kg	110	37.	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-10 Date Collected: 08/21/12 10:25

Client ID: UST AREA 1 WEST WALL 2 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	33.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	29.	1
Acenaphthylene	ND		ug/kg	150	49.	1
Anthracene	ND		ug/kg	110	26.	1
Benzo(ghi)perylene	ND		ug/kg	150	48.	1
Fluorene	ND		ug/kg	190	35.	1
Phenanthrene	ND		ug/kg	110	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	46.	1
Pyrene	ND		ug/kg	110	31.	1
Biphenyl	ND		ug/kg	430	130	1
4-Chloroaniline	ND		ug/kg	190	64.	1
2-Nitroaniline	ND		ug/kg	190	35.	1
3-Nitroaniline	ND		ug/kg	190	21.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	ND		ug/kg	190	39.	1
2-Methylnaphthalene	ND		ug/kg	230	74.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	39.	1
2-Chlorophenol	ND		ug/kg	190	59.	1
2,4-Dichlorophenol	ND		ug/kg	170	55.	1
2,4-Dimethylphenol	ND		ug/kg	190	78.	1
2-Nitrophenol	ND		ug/kg	410	140	1
4-Nitrophenol	ND		ug/kg	260	80.	1
2,4-Dinitrophenol	ND		ug/kg	910	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	180	1
Pentachlorophenol	ND		ug/kg	150	45.	1
Phenol	ND		ug/kg	190	59.	1
2-Methylphenol	ND		ug/kg	190	46.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	82.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	44.	1
Benzoic Acid	ND		ug/kg	610	160	1
Benzyl Alcohol	ND		ug/kg	190	44.	1
Carbazole	ND		ug/kg	190	30.	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-10 Date Collected: 08/21/12 10:25

Client ID: UST AREA 1 WEST WALL 2 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	111		25-120
Phenol-d6	116		10-120
Nitrobenzene-d5	106		23-120
2-Fluorobiphenyl	112		30-120
2,4,6-Tribromophenol	111		0-136
4-Terphenyl-d14	115		18-120

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID:	L1214974-11	Date Collected:	08/21/12 16:05
Client ID:	UST AREA 1 VENT STOCK BOTTOM 1	Date Received:	08/22/12
Sample Location:	348 LANGNER RD	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/22/12 02:42
Analytical Date:	08/23/12 14:50		
Analyst:	RC		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	56.	1
Hexachlorobenzene	ND		ug/kg	120	30.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	37.	1
2-Chloronaphthalene	ND		ug/kg	190	58.	1
1,2-Dichlorobenzene	ND		ug/kg	190	57.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	70.	1
2,4-Dinitrotoluene	ND		ug/kg	190	58.	1
2,6-Dinitrotoluene	ND		ug/kg	190	64.	1
Fluoranthene	310		ug/kg	120	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	34.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	55.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	49.	1
Hexachlorobutadiene	ND		ug/kg	190	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	150	1
Hexachloroethane	ND		ug/kg	160	28.	1
Isophorone	ND		ug/kg	170	46.	1
Naphthalene	ND		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	56.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	49.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	40.	1
Butyl benzyl phthalate	ND		ug/kg	190	54.	1
Di-n-butylphthalate	ND		ug/kg	190	33.	1
Di-n-octylphthalate	ND		ug/kg	190	52.	1
Diethyl phthalate	ND		ug/kg	190	34.	1
Dimethyl phthalate	ND		ug/kg	190	32.	1
Benzo(a)anthracene	89	J	ug/kg	120	38.	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-11 Date Collected: 08/21/12 16:05

Client ID: UST AREA 1 VENT STOCK BOTTOM 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	82	J	ug/kg	160	46.	1
Benzo(b)fluoranthene	120		ug/kg	120	34.	1
Benzo(k)fluoranthene	52	J	ug/kg	120	30.	1
Chrysene	120		ug/kg	120	30.	1
Acenaphthylene	ND		ug/kg	160	50.	1
Anthracene	29	J	ug/kg	120	27.	1
Benzo(ghi)perylene	58	J	ug/kg	160	49.	1
Fluorene	ND		ug/kg	190	36.	1
Phenanthrene	220		ug/kg	120	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	36.	1
Indeno(1,2,3-cd)Pyrene	63	J	ug/kg	160	47.	1
Pyrene	230		ug/kg	120	32.	1
Biphenyl	ND		ug/kg	440	140	1
4-Chloroaniline	ND		ug/kg	190	65.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	22.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	ND		ug/kg	190	40.	1
2-Methylnaphthalene	ND		ug/kg	230	76.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	62.	1
Acetophenone	ND		ug/kg	190	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	40.	1
2-Chlorophenol	ND		ug/kg	190	61.	1
2,4-Dichlorophenol	ND		ug/kg	170	56.	1
2,4-Dimethylphenol	ND		ug/kg	190	80.	1
2-Nitrophenol	ND		ug/kg	420	140	1
4-Nitrophenol	ND		ug/kg	270	83.	1
2,4-Dinitrophenol	ND		ug/kg	930	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	180	1
Pentachlorophenol	ND		ug/kg	160	46.	1
Phenol	ND		ug/kg	190	61.	1
2-Methylphenol	ND		ug/kg	190	48.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	84.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	45.	1
Benzoic Acid	ND		ug/kg	630	160	1
Benzyl Alcohol	ND		ug/kg	190	45.	1
Carbazole	45	J	ug/kg	190	31.	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-11 Date Collected: 08/21/12 16:05

Client ID: UST AREA 1 VENT STOCK BOTTOM 1 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	84		0-136
4-Terphenyl-d14	91		18-120

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID:	L1214974-12	Date Collected:	08/21/12 16:10
Client ID:	UST AREA 1 VENT STOCK BOTTOM 2	Date Received:	08/22/12
Sample Location:	348 LANGNER RD	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/22/12 02:42
Analytical Date:	08/23/12 15:15		
Analyst:	RC		
Percent Solids:	96%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	36.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	49.	1
Hexachlorobenzene	ND		ug/kg	100	26.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	32.	1
2-Chloronaphthalene	ND		ug/kg	170	51.	1
1,2-Dichlorobenzene	ND		ug/kg	170	50.	1
1,3-Dichlorobenzene	ND		ug/kg	170	52.	1
1,4-Dichlorobenzene	ND		ug/kg	170	48.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	61.	1
2,4-Dinitrotoluene	ND		ug/kg	170	51.	1
2,6-Dinitrotoluene	ND		ug/kg	170	56.	1
Fluoranthene	ND		ug/kg	100	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	30.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	35.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	48.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	42.	1
Hexachlorobutadiene	ND		ug/kg	170	45.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	130	1
Hexachloroethane	ND		ug/kg	140	24.	1
Isophorone	ND		ug/kg	150	40.	1
Naphthalene	ND		ug/kg	170	54.	1
Nitrobenzene	ND		ug/kg	150	49.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	47.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	35.	1
Butyl benzyl phthalate	ND		ug/kg	170	47.	1
Di-n-butylphthalate	ND		ug/kg	170	29.	1
Di-n-octylphthalate	ND		ug/kg	170	46.	1
Diethyl phthalate	ND		ug/kg	170	29.	1
Dimethyl phthalate	ND		ug/kg	170	28.	1
Benzo(a)anthracene	ND		ug/kg	100	34.	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-12 Date Collected: 08/21/12 16:10

Client ID: UST AREA 1 VENT STOCK BOTTOM 2 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	140	40.	1
Benzo(b)fluoranthene	ND		ug/kg	100	30.	1
Benzo(k)fluoranthene	ND		ug/kg	100	26.	1
Chrysene	ND		ug/kg	100	26.	1
Acenaphthylene	ND		ug/kg	140	44.	1
Anthracene	ND		ug/kg	100	23.	1
Benzo(ghi)perylene	ND		ug/kg	140	43.	1
Fluorene	ND		ug/kg	170	31.	1
Phenanthrene	ND		ug/kg	100	28.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	31.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	41.	1
Pyrene	ND		ug/kg	100	28.	1
Biphenyl	ND		ug/kg	380	120	1
4-Chloroaniline	ND		ug/kg	170	57.	1
2-Nitroaniline	ND		ug/kg	170	31.	1
3-Nitroaniline	ND		ug/kg	170	19.	1
4-Nitroaniline	ND		ug/kg	170	100	1
Dibenzofuran	ND		ug/kg	170	35.	1
2-Methylnaphthalene	ND		ug/kg	200	67.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	54.	1
Acetophenone	ND		ug/kg	170	54.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	31.	1
P-Chloro-M-Cresol	ND		ug/kg	170	34.	1
2-Chlorophenol	ND		ug/kg	170	53.	1
2,4-Dichlorophenol	ND		ug/kg	150	49.	1
2,4-Dimethylphenol	ND		ug/kg	170	70.	1
2-Nitrophenol	ND		ug/kg	360	120	1
4-Nitrophenol	ND		ug/kg	240	72.	1
2,4-Dinitrophenol	ND		ug/kg	810	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	160	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	170	53.	1
2-Methylphenol	ND		ug/kg	170	42.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	73.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	39.	1
Benzoic Acid	ND		ug/kg	550	140	1
Benzyl Alcohol	ND		ug/kg	170	39.	1
Carbazole	ND		ug/kg	170	27.	1

Project Name: 348 LANGNER RD **Lab Number:** L1214974

Project Number: 0123-005-102 **Report Date:** 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-12 Date Collected: 08/21/12 16:10

Client ID: UST AREA 1 VENT STOCK BOTTOM 2 Date Received: 08/22/12

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	92		0-136
4-Terphenyl-d14	97		18-120

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/23/12 09:39
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/22/12 02:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG556245-1					
Acenaphthene	ND		ug/kg	130	36.
1,2,4-Trichlorobenzene	ND		ug/kg	160	48.
Hexachlorobenzene	ND		ug/kg	99	26.
Bis(2-chloroethyl)ether	ND		ug/kg	150	31.
2-Chloronaphthalene	ND		ug/kg	160	50.
1,2-Dichlorobenzene	ND		ug/kg	160	49.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	47.
3,3'-Dichlorobenzidine	ND		ug/kg	160	60.
2,4-Dinitrotoluene	ND		ug/kg	160	50.
2,6-Dinitrotoluene	ND		ug/kg	160	54.
Fluoranthene	ND		ug/kg	99	22.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	29.
4-Bromophenyl phenyl ether	ND		ug/kg	160	34.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	47.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	42.
Hexachlorobutadiene	ND		ug/kg	160	44.
Hexachlorocyclopentadiene	ND		ug/kg	470	130
Hexachloroethane	ND		ug/kg	130	24.
Isophorone	ND		ug/kg	150	39.
Naphthalene	ND		ug/kg	160	52.
Nitrobenzene	ND		ug/kg	150	48.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	42.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	46.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	34.
Butyl benzyl phthalate	ND		ug/kg	160	46.
Di-n-butylphthalate	ND		ug/kg	160	28.
Di-n-octylphthalate	ND		ug/kg	160	45.
Diethyl phthalate	ND		ug/kg	160	29.
Dimethyl phthalate	ND		ug/kg	160	27.
Benzo(a)anthracene	ND		ug/kg	99	33.

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/23/12 09:39
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/22/12 02:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG556245-1					
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	99	29.
Benzo(k)fluoranthene	ND		ug/kg	99	25.
Chrysene	ND		ug/kg	99	26.
Acenaphthylene	ND		ug/kg	130	43.
Anthracene	ND		ug/kg	99	23.
Benzo(ghi)perylene	ND		ug/kg	130	42.
Fluorene	ND		ug/kg	160	30.
Phenanthrene	ND		ug/kg	99	28.
Dibenzo(a,h)anthracene	ND		ug/kg	99	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	40.
Pyrene	ND		ug/kg	99	27.
Biphenyl	ND		ug/kg	380	120
4-Chloroaniline	ND		ug/kg	160	56.
2-Nitroaniline	ND		ug/kg	160	30.
3-Nitroaniline	ND		ug/kg	160	18.
4-Nitroaniline	ND		ug/kg	160	100
Dibenzofuran	ND		ug/kg	160	34.
2-Methylnaphthalene	ND		ug/kg	200	65.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	53.
Acetophenone	ND		ug/kg	160	53.
2,4,6-Trichlorophenol	ND		ug/kg	99	30.
P-Chloro-M-Cresol	ND		ug/kg	160	34.
2-Chlorophenol	ND		ug/kg	160	52.
2,4-Dichlorophenol	ND		ug/kg	150	48.
2,4-Dimethylphenol	ND		ug/kg	160	68.
2-Nitrophenol	ND		ug/kg	360	120
4-Nitrophenol	ND		ug/kg	230	70.
2,4-Dinitrophenol	ND		ug/kg	790	260
4,6-Dinitro-o-cresol	ND		ug/kg	430	160
Pentachlorophenol	ND		ug/kg	130	39.

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/23/12 09:39
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/22/12 02:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG556245-1					
Phenol	ND		ug/kg	160	52.
2-Methylphenol	ND		ug/kg	160	41.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	72.
2,4,5-Trichlorophenol	ND		ug/kg	160	38.
Benzoic Acid	ND		ug/kg	540	140
Benzyl Alcohol	ND		ug/kg	160	38.
Carbazole	ND		ug/kg	160	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	105		0-136
4-Terphenyl-d14	96		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-005-102

Lab Number: L1214974

Report Date: 08/24/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG556245-2 WG556245-3								
Acenaphthene	81		88		31-137	8		50
1,2,4-Trichlorobenzene	75		85		38-107	13		50
Hexachlorobenzene	93		100		40-140	7		50
Bis(2-chloroethyl)ether	77		84		40-140	9		50
2-Chloronaphthalene	83		88		40-140	6		50
1,2-Dichlorobenzene	74		83		40-140	11		50
1,3-Dichlorobenzene	72		82		40-140	13		50
1,4-Dichlorobenzene	74		82		28-104	10		50
3,3'-Dichlorobenzidine	64		64		40-140	0		50
2,4-Dinitrotoluene	**97**	Q	**101**	Q	28-89	4		50
2,6-Dinitrotoluene	101		99		40-140	2		50
Fluoranthene	91		98		40-140	7		50
4-Chlorophenyl phenyl ether	89		95		40-140	7		50
4-Bromophenyl phenyl ether	96		101		40-140	5		50
Bis(2-chloroisopropyl)ether	77		85		40-140	10		50
Bis(2-chloroethoxy)methane	90		96		40-117	6		50
Hexachlorobutadiene	78		86		40-140	10		50
Hexachlorocyclopentadiene	85		92		40-140	8		50
Hexachloroethane	72		81		40-140	12		50
Isophorone	93		97		40-140	4		50
Naphthalene	75		84		40-140	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-005-102

Lab Number: L1214974

Report Date: 08/24/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG556245-2 WG556245-3								
Nitrobenzene	75		84		40-140	11		50
NitrosoDiPhenylAmine(NDPA)/DPA	93		96			3		50
n-Nitrosodi-n-propylamine	92		99		32-121	7		50
Bis(2-Ethylhexyl)phthalate	102		106		40-140	4		50
Butyl benzyl phthalate	96		107		40-140	11		50
Di-n-butylphthalate	106		111		40-140	5		50
Di-n-octylphthalate	105		111		40-140	6		50
Diethyl phthalate	103		106		40-140	3		50
Dimethyl phthalate	98		102		40-140	4		50
Benzo(a)anthracene	88		95		40-140	8		50
Benzo(a)pyrene	88		92		40-140	4		50
Benzo(b)fluoranthene	88		94		40-140	7		50
Benzo(k)fluoranthene	84		90		40-140	7		50
Chrysene	85		91		40-140	7		50
Acenaphthylene	89		91		40-140	2		50
Anthracene	90		94		40-140	4		50
Benzo(ghi)perylene	82		88		40-140	7		50
Fluorene	87		93		40-140	7		50
Phenanthrene	88		94		40-140	7		50
Dibenzo(a,h)anthracene	86		91		40-140	6		50
Indeno(1,2,3-cd)Pyrene	85		92		40-140	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-005-102

Lab Number: L1214974

Report Date: 08/24/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG556245-2 WG556245-3								
Pyrene	89		95		35-142	7		50
Biphenyl	78		85			9		50
4-Chloroaniline	76		74		40-140	3		50
2-Nitroaniline	77		71		47-134	8		50
3-Nitroaniline	71		70		26-129	1		50
4-Nitroaniline	93		99		41-125	6		50
Dibenzofuran	84		91		40-140	8		50
2-Methylnaphthalene	80		87		40-140	8		50
1,2,4,5-Tetrachlorobenzene	73		84		40-117	14		50
Acetophenone	86		92		14-144	7		50
2,4,6-Trichlorophenol	104		104		30-130	0		50
P-Chloro-M-Cresol	100		101		26-103	1		50
2-Chlorophenol	83		90		25-102	8		50
2,4-Dichlorophenol	90		96		30-130	6		50
2,4-Dimethylphenol	101		104		30-130	3		50
2-Nitrophenol	88		94		30-130	7		50
4-Nitrophenol	102		112		11-114	9		50
2,4-Dinitrophenol	55		62		4-130	12		50
4,6-Dinitro-o-cresol	92		104		10-130	12		50
Pentachlorophenol	87		97		17-109	11		50
Phenol	83		88		26-90	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-005-102

Lab Number: L1214974

Report Date: 08/24/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG556245-2 WG556245-3								
2-Methylphenol	89		94		30-130.	5		50
3-Methylphenol/4-Methylphenol	92		95		30-130	3		50
2,4,5-Trichlorophenol	104		101		30-130	3		50
Benzoic Acid	14		19			30		50
Benzyl Alcohol	87		91		40-140	4		50
Carbazole	90		95		54-128	5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	86		90		25-120
Phenol-d6	91		96		10-120
Nitrobenzene-d5	82		88		23-120
2-Fluorobiphenyl	84		88		30-120
2,4,6-Tribromophenol	106		115		0-136
4-Terphenyl-d14	90		95		18-120

Matrix Spike Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG556245-4 WG556245-5 QC Sample: L1214974-03 Client ID: UST AREA 1 BOTTOM 2												
Acenaphthene	ND	1550	1600	100		1500	97		31-137	6		50
1,2,4-Trichlorobenzene	ND	1550	1400	90		1400	91		38-107	0		50
Hexachlorobenzene	ND	1550	1600	100		1600	100		40-140	0		50
Bis(2-chloroethyl)ether	ND	1550	1400	90		1300	84		40-140	7		50
2-Chloronaphthalene	ND	1550	1500	97		1500	97		40-140	0		50
1,2-Dichlorobenzene	ND	1550	1400	90		1300	84		40-140	7		50
1,3-Dichlorobenzene	ND	1550	1400	90		1300	84		40-140	7		50
1,4-Dichlorobenzene	ND	1550	1400	90		1300	84		28-104	7		50
3,3'-Dichlorobenzidine	ND	1550	1100	71		1200	78		40-140	9		50
2,4-Dinitrotoluene	ND	1550	1800	**120**	Q	1700	**110**	Q	28-89	6		50
2,6-Dinitrotoluene	ND	1550	1600	100		1700	110		40-140	6		50
Fluoranthene	ND	1550	1700	110		1700	110		40-140	0		50
4-Chlorophenyl phenyl ether	ND	1550	1600	100		1600	100		40-140	0		50
4-Bromophenyl phenyl ether	ND	1550	1700	110		1600	100		40-140	6		50
Bis(2-chloroisopropyl)ether	ND	1550	1400	90		1300	84		40-140	7		50
Bis(2-chloroethoxy)methane	ND	1550	1500	97		1400	91		40-117	7		50
Hexachlorobutadiene	ND	1550	1400	90		1300	84		40-140	7		50
Hexachlorocyclopentadiene	ND	1550	1300	84		1300	84		40-140	0		50
Hexachloroethane	ND	1550	1400	90		1300	84		40-140	7		50
Isophorone	ND	1550	1400	90		1500	97		40-140	7		50
Naphthalene	ND	1550	1500	97		1400	91		40-140	7		50

Matrix Spike Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG556245-4 WG556245-5 QC Sample: L1214974-03 Client ID: UST AREA 1 BOTTOM 2												
Nitrobenzene	ND	1550	1400	90		1400	91		40-140	0		50
NitrosoDiPhenylAmine(NDPA)/DPA	ND	1550	1700	110		1600	100			6		50
n-Nitrosodi-n-propylamine	ND	1550	1400	90		1400	91		32-121	0		50
Bis(2-Ethylhexyl)phthalate	ND	1550	1600	100		1600	100		40-140	0		50
Butyl benzyl phthalate	ND	1550	1700	110		1700	110		40-140	0		50
Di-n-butylphthalate	ND	1550	1600	100		1700	110		40-140	6		50
Di-n-octylphthalate	ND	1550	1600	100		1700	110		40-140	6		50
Diethyl phthalate	ND	1550	1700	110		1600	100		40-140	6		50
Dimethyl phthalate	ND	1550	1600	100		1600	100		40-140	0		50
Benzo(a)anthracene	ND	1550	1600	100		1600	100		40-140	0		50
Benzo(a)pyrene	ND	1550	1600	100		1700	110		40-140	6		50
Benzo(b)fluoranthene	ND	1550	1600	100		1600	100		40-140	0		50
Benzo(k)fluoranthene	ND	1550	1600	100		1700	110		40-140	6		50
Chrysene	ND	1550	1600	100		1600	100		40-140	0		50
Acenaphthylene	ND	1550	1500	97		1600	100		40-140	6		50
Anthracene	ND	1550	1600	100		1700	110		40-140	6		50
Benzo(ghi)perylene	ND	1550	1500	97		1600	100		40-140	6		50
Fluorene	ND	1550	1600	100		1600	100		40-140	0		50
Phenanthrene	ND	1550	1600	100		1700	110		40-140	6		50
Dibenzo(a,h)anthracene	ND	1550	1500	97		1600	100		40-140	6		50
Indeno(1,2,3-cd)Pyrene	ND	1550	1500	97		1600	100		40-140	6		50

Matrix Spike Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG556245-4 WG556245-5 QC Sample: L1214974-03 Client ID: UST AREA 1 BOTTOM 2												
Pyrene	ND	1550	1600	100		1700	110		35-142	6		50
Biphenyl	ND	1550	1500	97		1400	91			7		50
4-Chloroaniline	ND	1550	920	59		1000	65		40-140	8		50
2-Nitroaniline	ND	1550	1700	110		1800	120		47-134	6		50
3-Nitroaniline	ND	1550	1000	65		1000	65		26-129	0		50
4-Nitroaniline	ND	1550	1500	97		1500	97		41-125	0		50
Dibenzofuran	ND	1550	1600	100		1500	97		40-140	6		50
2-Methylnaphthalene	ND	1550	1500	97		1500	97		40-140	0		50
1,2,4,5-Tetrachlorobenzene	ND	1550	1500	97		1400	91		40-117	7		50
Acetophenone	ND	1550	1500	97		1400	91		14-144	7		50
2,4,6-Trichlorophenol	ND	1550	1600	100		1700	110		30-130	6		50
P-Chloro-M-Cresol	ND	1550	1700	**110**	Q	1700	**110**	Q	26-103	0		50
2-Chlorophenol	ND	1550	1600	100		1500	97		25-102	6		50
2,4-Dichlorophenol	ND	1550	1600	100		1600	100		30-130	0		50
2,4-Dimethylphenol	ND	1550	1600	100		1700	110		30-130	6		50
2-Nitrophenol	ND	1550	1500	97		1500	97		30-130	0		50
4-Nitrophenol	ND	1550	1800	**120**	Q	1800	**120**	Q	11-114	0		50
2,4-Dinitrophenol	ND	1550	320J	21		ND	**0**	Q	4-130	NC		50
4,6-Dinitro-o-cresol	ND	1550	1300	84		1100	71		10-130	17		50
Pentachlorophenol	ND	1550	1500	97		1400	91		17-109	7		50
Phenol	ND	1550	1500	**97**	Q	1500	**97**	Q	26-90	0		50

Matrix Spike Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG556245-4 WG556245-5 QC Sample: L1214974-03 Client ID: UST AREA 1 BOTTOM 2												
2-Methylphenol	ND	1550	1600	100		1600	100		30-130.	0		50
3-Methylphenol/4-Methylphenol	ND	1550	1600	100		1600	100		30-130	0		50
2,4,5-Trichlorophenol	ND	1550	1600	100		1600	100		30-130	0		50
Benzoic Acid	ND	1550	ND	0		ND	0			NC		50
Benzyl Alcohol	ND	1550	1500	97		1500	97		40-140	0		50
Carbazole	ND	1550	1700	110		1700	110		54-128	0		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	115		122		0-136
2-Fluorobiphenyl	92		98		30-120
2-Fluorophenol	101		96		25-120
4-Terphenyl-d14	101		106		18-120
Nitrobenzene-d5	90		89		23-120
Phenol-d6	104		105		10-120

INORGANICS
&
MISCELLANEOUS

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-01
Client ID: UST AREA 1 BOTTOM 1
Sample Location: 348 LANGNER RD
Matrix: Soil

Date Collected: 08/20/12 09:00
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86		%	0.10	NA	1	-	08/22/12 19:35	30,2540G	RD

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-02
Client ID: UST AREA 1 WEST WALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil

Date Collected: 08/20/12 10:00
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	08/22/12 19:35	30,2540G	RD

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-03
Client ID: UST AREA 1 BOTTOM 2
Sample Location: 348 LANGNER RD
Matrix: Soil

Date Collected: 08/20/12 15:00
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	08/22/12 19:35	30,2540G	RD

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-04
Client ID: UST AREA 1 EAST WALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil

Date Collected: 08/21/12 09:50
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80		%	0.10	NA	1	-	08/22/12 19:35	30,2540G	RD

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-05
Client ID: BLIND DUP 1
Sample Location: 348 LANGNER RD
Matrix: Soil

Date Collected: 08/21/12 08:00
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82		%	0.10	NA	1	-	08/22/12 19:35	30,2540G	RD

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-06
Client ID: UST AREA 1 NORTH WALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil

Date Collected: 08/21/12 10:10
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82		%	0.10	NA	1	-	08/22/12 19:35	30,2540G	RD

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-07
Client ID: UST AREA 1 SOUTH WALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil

Date Collected: 08/21/12 14:30
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82		%	0.10	NA	1	-	08/22/12 19:35	30,2540G	RD

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-08
Client ID: UST AREA 1 SOUTH WALL 2
Sample Location: 348 LANGNER RD
Matrix: Soil

Date Collected: 08/21/12 14:45
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82		%	0.10	NA	1	-	08/22/12 19:35	30,2540G	RD

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-09
Client ID: UST AREA 1 EAST WALL 2
Sample Location: 348 LANGNER RD
Matrix: Soil

Date Collected: 08/21/12 15:00
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	08/22/12 19:35	30,2540G	RD

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-10
Client ID: UST AREA 1 WEST WALL 2
Sample Location: 348 LANGNER RD
Matrix: Soil

Date Collected: 08/21/12 10:25
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86		%	0.10	NA	1	-	08/22/12 19:35	30,2540G	RD

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-11
Client ID: UST AREA 1 VENT STOCK BOTTOM 1
Sample Location: 348 LANGNER RD
Matrix: Soil

Date Collected: 08/21/12 16:05
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	08/22/12 19:35	30,2540G	RD

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

SAMPLE RESULTS

Lab ID: L1214974-12
Client ID: UST AREA 1 VENT STOCK BOTTOM 2
Sample Location: 348 LANGNER RD
Matrix: Soil

Date Collected: 08/21/12 16:10
Date Received: 08/22/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96		%	0.10	NA	1	-	08/22/12 19:35	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG556482-1 QC Sample: L1214974-03 Client ID: UST AREA 1 BOTTOM 2						
Solids, Total	84.	84	%	0		20

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1214974-01A	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8260(14)
L1214974-01B	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8270(14),TS(7)
L1214974-02A	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8260(14)
L1214974-02B	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8270(14),TS(7)
L1214974-03A	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8260(14)
L1214974-03B	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8260(14)
L1214974-03C	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8260(14)
L1214974-03D	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8270(14),TS(7)
L1214974-03E	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8270(14),TS(7)
L1214974-03F	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8270(14),TS(7)
L1214974-04A	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8260(14)
L1214974-04B	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8270(14),TS(7)
L1214974-05A	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8260(14)
L1214974-05B	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8270(14),TS(7)
L1214974-06A	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8260(14)
L1214974-06B	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8270(14),TS(7)
L1214974-07A	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8260(14)
L1214974-07B	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8270(14),TS(7)
L1214974-08A	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8260(14)
L1214974-08B	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8270(14),TS(7)
L1214974-09A	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8260(14)
L1214974-09B	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8270(14),TS(7)
L1214974-10A	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8260(14)
L1214974-10B	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8270(14),TS(7)
L1214974-11A	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8260(14)
L1214974-11B	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8270(14),TS(7)
L1214974-12A	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 348 LANGNER RD
Project Number: 0123-005-102

Lab Number: L1214974
Report Date: 08/24/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1214974-12B	Amber 120ml unpreserved	A	N/A	4.7	Y	Absent	NYTCL-8270(14),TS(7)

*Values in parentheses indicate holding time in days

Project Name:	348 LANGNER RD	**Lab Number:**	L1214974
Project Number:	0123-005-102	**Report Date:**	08/24/12

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD	**Lab Number:**	L1214974
Project Number:	0123-005-102	**Report Date:**	08/24/12

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers

Project Name: 348 LANGNER RD
Project Number: 0123-005-102
Lab Number: L1214974
Report Date: 08/24/12

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 16, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8082, 8330, 8151A, 8260B, 8270C, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9030B, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7

for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010B, 6010C, 6020, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9030B, 9040B, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082, 8082A, 8081A, 8081B, 8151A, 8330, 8270C-SIM, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 6010C, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050, 9065,1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082, 8082A, 8081A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, 2540G, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012A, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C, 3546, 3580, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7471A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 245.2, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 3501., 350.2, 353.2, 420.1, 6010B, 6010C, 6020, 6020A, 7196A, 7470A, 9010B, 9030B, 9040B, Lachat 10-107-06-2-D, NJ-EPH, 2120B, 2310B, 2320B, 2340B, 2510C, 2540B, 2540C, 3500Cr-D, 436C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330, 8015B,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010B, 6010C, 6020A, 7196A, 7471A, 7471B, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 2..08, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5035, 3540C, 3546, 3550, 3580, 3630C, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 8/22/12

ALPHA Job #: L1214974

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Serial No:08241212:35

Client Information

Client: Turnkey

Address: 2558 Hamburg Turnpike Buffalo NY 14218

Phone: (716)856-0599

Fax: (716)856-0583

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 348 Laugner Rd

Project Location: 348 Laugner Rd

Project #: A23-005-102

Project Manager: Mike Lesakowski

ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)

Date Due: 8/24/12 3 day Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

CAT-B

ANALYSIS: TCL VOC + STARS; TCL SVOC

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC + STARS	TCL SVOC	Sample Specific Comments	TOTAL # BOTTLES
14974.1	UST Area1 Bottom1	8-20-12	900	Soil	PWW	X	X		2
2	UST Area1 West wall1		1000	"	"	X	X		2
3	UST Area1 Bottom2 (MS/MSD)		1500	"	"	X	X		6
4	UST Area1 East wall1	8-21-12	950	"	"	X	X		2
5	Blind Dup1	8-21-12	800	"	"	X	X		2
6	UST area1 Northwall1	8-21-12	1010	"	"	X	X		2
7	UST area1 Southwall1		1430	"	"	X	X		
8	UST area1 Southwall2		1445	"	"	X	X		
9	UST area1 Eastwall2		1500	"	"	X	X		
10	UST area1 Westwall2		1025	"	"	X	X		

Container Type																	
Preservative																	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01 (rev. 18-Jan-2010)

Relinquished By:	Date/Time	Received By:	Date/Time
	8-21-12/1620		8-21-12/1620
	8-21-12/1845		8-21-12/1845
	8/22/12 1207 Am		8/22/12 08:07

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 8/22/12

ALPHA Job #: L1214974

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Serial No:08241212:35

Client Information

Client: Tunkey
Address: 2558 Hamburg Turnpike
Buffalo NY 14218
Phone: (716) 856-0599
Fax: (716) 856-0583
Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 348 Langner Rd Site
Project Location: 348 Langner Rd
Project #: 0123-005-102
Project Manager: Mike Lesakowski
ALPHA Quote #:

Turn-Around Time

☐ Standard ☑ RUSH (only confirmed if pre-approved!)
Date Due: 8/24/12 3 day Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria CAT-B

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

CAT-B

ANALYSIS: TCL VOC + STARS | TCL SVOC

SAMPLE HANDLING
Filtration
☐ Done ☐ Not needed ☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC + STARS	TCL SVOC	Sample Specific Comments	TOTAL # BOTTLES
1497H-11	UST area 1 vent stack Bottom 1	8-21-12	1605	Soil	PWW	X	X		
12	UST area 1 vent stack Bottom 2	"	1610	"	"	X	X		

Container Type
Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
	8-21-12/1620	David Richin	8-21-12/1620
David Richin	8-21-12/1845	Kyle Cunningham	8-21-12/1845
Kyle Cunningham	8/22/12 1207Am		8/22/12 00:07

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

ANALYTICAL REPORT

Lab Number:	L1214816
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	348 LANGNER
Project Number:	0123-005-102
Report Date:	08/22/12

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 348 LANGNER
Project Number: 0123-005-102

Lab Number: L1214816
Report Date: 08/22/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1214816-01	CANOPY NORTHWALL 1	348 LANGNER	08/16/12 00:00
L1214816-02	CANOPY NORTHWALL 2	348 LANGNER	08/16/12 00:00
L1214816-03	CANOPY NORTHWALL 3	348 LANGNER	08/16/12 00:00
L1214816-04	CANOPY BOTTOM 1	348 LANGNER	08/16/12 00:00
L1214816-05	CANOPY BOTTOM 2	348 LANGNER	08/16/12 00:00
L1214816-06	CANOPY SOUTHWALL 1	348 LANGNER	08/16/12 00:00
L1214816-07	CANOPY SOUTHWALL 2	348 LANGNER	08/16/12 00:00
L1214816-08	CANOPY SOUTHWALL 3	348 LANGNER	08/16/12 00:00

Project Name: 348 LANGNER
Project Number: 0123-005-102

Lab Number: L1214816
Report Date: 08/22/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	348 LANGNER	**Lab Number:**	L1214816
Project Number:	0123-005-102	**Report Date:**	08/22/12

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L1214816-03, -07, and -08 have elevated detection limits due to the dilutions required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 08/22/12

ORGANICS

VOLATILES

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-01
Client ID: CANOPY NORTHWALL 1
Sample Location: 348 LANGNER
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/21/12 15:49
Analyst: BN
Percent Solids: 80%

Date Collected: 08/16/12 00:00
Date Received: 08/17/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	31	6.2	1
1,1-Dichloroethane	ND		ug/kg	4.7	0.92	1
Chloroform	ND		ug/kg	4.7	1.0	1
Carbon tetrachloride	ND		ug/kg	3.1	0.66	1
1,2-Dichloropropane	ND		ug/kg	11	0.80	1
Dibromochloromethane	ND		ug/kg	3.1	0.96	1
1,1,2-Trichloroethane	ND		ug/kg	4.7	1.2	1
Tetrachloroethene	ND		ug/kg	3.1	0.96	1
Chlorobenzene	ND		ug/kg	3.1	0.58	1
Trichlorofluoromethane	ND		ug/kg	16	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.1	0.71	1
1,1,1-Trichloroethane	ND		ug/kg	3.1	0.84	1
Bromodichloromethane	ND		ug/kg	3.1	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.1	0.94	1
cis-1,3-Dichloropropene	ND		ug/kg	3.1	0.84	1
1,1-Dichloropropene	ND		ug/kg	16	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.1	0.75	1
Benzene	ND		ug/kg	3.1	0.93	1
Toluene	ND		ug/kg	4.7	0.76	1
Ethylbenzene	ND		ug/kg	3.1	0.69	1
Chloromethane	ND		ug/kg	16	2.4	1
Bromomethane	ND		ug/kg	6.2	2.0	1
Vinyl chloride	ND		ug/kg	6.2	2.4	1
Chloroethane	ND		ug/kg	6.2	1.4	1
1,1-Dichloroethene	ND		ug/kg	3.1	0.81	1
trans-1,2-Dichloroethene	ND		ug/kg	4.7	1.2	1
Trichloroethene	ND		ug/kg	3.1	0.70	1
1,2-Dichlorobenzene	ND		ug/kg	16	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	16	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	16	1.3	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-01 Date Collected: 08/16/12 00:00

Client ID: CANOPY NORTHWALL 1 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	2.1	J	ug/kg	6.2	1.5	1
p/m-Xylene	ND		ug/kg	6.2	1.3	1
o-Xylene	ND		ug/kg	6.2	1.3	1
cis-1,2-Dichloroethene	ND		ug/kg	3.1	0.94	1
Dibromomethane	ND		ug/kg	31	1.4	1
Styrene	ND		ug/kg	6.2	2.3	1
Dichlorodifluoromethane	ND		ug/kg	31	1.2	1
Acetone	100		ug/kg	31	10.	1
Carbon disulfide	2.2	J	ug/kg	31	1.2	1
2-Butanone	ND		ug/kg	31	12.	1
Vinyl acetate	ND		ug/kg	31	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	31	2.6	1
1,2,3-Trichloropropane	ND		ug/kg	31	1.2	1
2-Hexanone	ND		ug/kg	31	1.2	1
Bromochloromethane	ND		ug/kg	16	0.94	1
2,2-Dichloropropane	ND		ug/kg	16	2.5	1
1,2-Dibromoethane	ND		ug/kg	12	1.3	1
1,3-Dichloropropane	ND		ug/kg	16	1.8	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.1	1.0	1
Bromobenzene	ND		ug/kg	16	0.69	1
n-Butylbenzene	ND		ug/kg	3.1	0.98	1
sec-Butylbenzene	ND		ug/kg	3.1	0.86	1
tert-Butylbenzene	ND		ug/kg	16	1.9	1
o-Chlorotoluene	ND		ug/kg	16	0.98	1
p-Chlorotoluene	ND		ug/kg	16	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	16	2.6	1
Hexachlorobutadiene	ND		ug/kg	16	1.4	1
Isopropylbenzene	ND		ug/kg	3.1	0.55	1
p-Isopropyltoluene	ND		ug/kg	3.1	0.85	1
Naphthalene	ND		ug/kg	16	2.4	1
Acrylonitrile	ND		ug/kg	31	1.2	1
n-Propylbenzene	ND		ug/kg	3.1	0.89	1
1,2,3-Trichlorobenzene	ND		ug/kg	16	1.3	1
1,2,4-Trichlorobenzene	ND		ug/kg	16	2.5	1
1,3,5-Trimethylbenzene	ND		ug/kg	16	1.9	1
1,2,4-Trimethylbenzene	ND		ug/kg	16	1.8	1
1,4-Dioxane	ND		ug/kg	310	54.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.62	1
4-Ethyltoluene	ND		ug/kg	12	0.30	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-01 Date Collected: 08/16/12 00:00

Client ID: CANOPY NORTHWALL 1 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.56	1
Ethyl ether	ND		ug/kg	16	1.2	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	16	4.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-02
Client ID: CANOPY NORTHWALL 2
Sample Location: 348 LANGNER
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/21/12 12:37
Analyst: BN
Percent Solids: 79%

Date Collected: 08/16/12 00:00
Date Received: 08/17/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	30	J	ug/kg	32	6.3	1
1,1-Dichloroethane	ND		ug/kg	4.7	0.93	1
Chloroform	ND		ug/kg	4.7	1.0	1
Carbon tetrachloride	ND		ug/kg	3.2	0.67	1
1,2-Dichloropropane	ND		ug/kg	11	0.81	1
Dibromochloromethane	ND		ug/kg	3.2	0.97	1
1,1,2-Trichloroethane	ND		ug/kg	4.7	1.2	1
Tetrachloroethene	ND		ug/kg	3.2	0.97	1
Chlorobenzene	ND		ug/kg	3.2	0.59	1
Trichlorofluoromethane	ND		ug/kg	16	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.2	0.72	1
1,1,1-Trichloroethane	ND		ug/kg	3.2	0.85	1
Bromodichloromethane	ND		ug/kg	3.2	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.2	0.95	1
cis-1,3-Dichloropropene	ND		ug/kg	3.2	0.84	1
1,1-Dichloropropene	ND		ug/kg	16	1.4	1
Bromoform	ND		ug/kg	13	1.6	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.2	0.76	1
Benzene	ND		ug/kg	3.2	0.94	1
Toluene	ND		ug/kg	4.7	0.76	1
Ethylbenzene	ND		ug/kg	3.2	0.70	1
Chloromethane	ND		ug/kg	16	2.5	1
Bromomethane	ND		ug/kg	6.3	2.0	1
Vinyl chloride	ND		ug/kg	6.3	2.4	1
Chloroethane	ND		ug/kg	6.3	1.4	1
1,1-Dichloroethene	ND		ug/kg	3.2	0.82	1
trans-1,2-Dichloroethene	ND		ug/kg	4.7	1.2	1
Trichloroethene	ND		ug/kg	3.2	0.71	1
1,2-Dichlorobenzene	ND		ug/kg	16	1.2	1
1,3-Dichlorobenzene	ND		ug/kg	16	1.3	1
1,4-Dichlorobenzene	ND		ug/kg	16	1.3	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-02 Date Collected: 08/16/12 00:00

Client ID: CANOPY NORTHWALL 2 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	6.0	J	ug/kg	6.3	1.5	1
p/m-Xylene	ND		ug/kg	6.3	1.4	1
o-Xylene	ND		ug/kg	6.3	1.3	1
cis-1,2-Dichloroethene	ND		ug/kg	3.2	0.95	1
Dibromomethane	ND		ug/kg	32	1.4	1
Styrene	ND		ug/kg	6.3	2.3	1
Dichlorodifluoromethane	ND		ug/kg	32	1.2	1
Acetone	140		ug/kg	32	10.	1
Carbon disulfide	2.8	J	ug/kg	32	1.2	1
2-Butanone	22	J	ug/kg	32	12.	1
Vinyl acetate	ND		ug/kg	32	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	32	2.6	1
1,2,3-Trichloropropane	ND		ug/kg	32	1.2	1
2-Hexanone	ND		ug/kg	32	1.2	1
Bromochloromethane	ND		ug/kg	16	0.96	1
2,2-Dichloropropane	ND		ug/kg	16	2.5	1
1,2-Dibromoethane	ND		ug/kg	13	1.3	1
1,3-Dichloropropane	ND		ug/kg	16	1.8	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.2	1.0	1
Bromobenzene	ND		ug/kg	16	0.70	1
n-Butylbenzene	ND		ug/kg	3.2	0.99	1
sec-Butylbenzene	ND		ug/kg	3.2	0.87	1
tert-Butylbenzene	ND		ug/kg	16	1.9	1
o-Chlorotoluene	ND		ug/kg	16	0.99	1
p-Chlorotoluene	ND		ug/kg	16	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	16	2.6	1
Hexachlorobutadiene	ND		ug/kg	16	1.4	1
Isopropylbenzene	ND		ug/kg	3.2	0.56	1
p-Isopropyltoluene	ND		ug/kg	3.2	0.86	1
Naphthalene	ND		ug/kg	16	2.4	1
Acrylonitrile	ND		ug/kg	32	1.2	1
n-Propylbenzene	ND		ug/kg	3.2	0.90	1
1,2,3-Trichlorobenzene	ND		ug/kg	16	1.3	1
1,2,4-Trichlorobenzene	ND		ug/kg	16	2.5	1
1,3,5-Trimethylbenzene	ND		ug/kg	16	1.9	1
1,2,4-Trimethylbenzene	ND		ug/kg	16	1.8	1
1,4-Dioxane	ND		ug/kg	320	55.	1
1,4-Diethylbenzene	ND		ug/kg	13	0.63	1
4-Ethyltoluene	ND		ug/kg	13	0.31	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-02 Date Collected: 08/16/12 00:00

Client ID: CANOPY NORTHWALL 2 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	13	0.57	1
Ethyl ether	ND		ug/kg	16	1.2	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	16	4.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-03
Client ID: CANOPY NORTHWALL 3
Sample Location: 348 LANGNER
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/21/12 16:16
Analyst: BN
Percent Solids: 76%

Date Collected: 08/16/12 00:00
Date Received: 08/17/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	33	6.6	1
1,1-Dichloroethane	ND		ug/kg	4.9	0.97	1
Chloroform	ND		ug/kg	4.9	1.1	1
Carbon tetrachloride	ND		ug/kg	3.3	0.69	1
1,2-Dichloropropane	ND		ug/kg	12	0.84	1
Dibromochloromethane	ND		ug/kg	3.3	1.0	1
1,1,2-Trichloroethane	ND		ug/kg	4.9	1.3	1
Tetrachloroethene	ND		ug/kg	3.3	1.0	1
Chlorobenzene	ND		ug/kg	3.3	0.61	1
Trichlorofluoromethane	ND		ug/kg	16	1.3	1
1,2-Dichloroethane	ND		ug/kg	3.3	0.75	1
1,1,1-Trichloroethane	ND		ug/kg	3.3	0.89	1
Bromodichloromethane	ND		ug/kg	3.3	1.3	1
trans-1,3-Dichloropropene	ND		ug/kg	3.3	0.99	1
cis-1,3-Dichloropropene	ND		ug/kg	3.3	0.88	1
1,1-Dichloropropene	ND		ug/kg	16	1.5	1
Bromoform	ND		ug/kg	13	1.6	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.3	0.79	1
Benzene	ND		ug/kg	3.3	0.98	1
Toluene	ND		ug/kg	4.9	0.79	1
Ethylbenzene	ND		ug/kg	3.3	0.73	1
Chloromethane	ND		ug/kg	16	2.6	1
Bromomethane	ND		ug/kg	6.6	2.1	1
Vinyl chloride	ND		ug/kg	6.6	2.5	1
Chloroethane	ND		ug/kg	6.6	1.4	1
1,1-Dichloroethene	ND		ug/kg	3.3	0.85	1
trans-1,2-Dichloroethene	ND		ug/kg	4.9	1.3	1
Trichloroethene	ND		ug/kg	3.3	0.74	1
1,2-Dichlorobenzene	ND		ug/kg	16	1.2	1
1,3-Dichlorobenzene	ND		ug/kg	16	1.3	1
1,4-Dichlorobenzene	ND		ug/kg	16	1.4	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-03 Date Collected: 08/16/12 00:00

Client ID: CANOPY NORTHWALL 3 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	3.5	J	ug/kg	6.6	1.6	1
p/m-Xylene	ND		ug/kg	6.6	1.4	1
o-Xylene	ND		ug/kg	6.6	1.4	1
cis-1,2-Dichloroethene	ND		ug/kg	3.3	0.99	1
Dibromomethane	ND		ug/kg	33	1.4	1
Styrene	ND		ug/kg	6.6	2.4	1
Dichlorodifluoromethane	ND		ug/kg	33	1.3	1
Acetone	230		ug/kg	33	11.	1
Carbon disulfide	2.5	J	ug/kg	33	1.2	1
2-Butanone	29	J	ug/kg	33	13.	1
Vinyl acetate	ND		ug/kg	33	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	33	2.7	1
1,2,3-Trichloropropane	ND		ug/kg	33	1.3	1
2-Hexanone	ND		ug/kg	33	1.3	1
Bromochloromethane	ND		ug/kg	16	0.99	1
2,2-Dichloropropane	ND		ug/kg	16	2.6	1
1,2-Dibromoethane	ND		ug/kg	13	1.3	1
1,3-Dichloropropane	ND		ug/kg	16	1.9	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.3	1.1	1
Bromobenzene	ND		ug/kg	16	0.72	1
n-Butylbenzene	ND		ug/kg	3.3	1.0	1
sec-Butylbenzene	ND		ug/kg	3.3	0.91	1
tert-Butylbenzene	ND		ug/kg	16	2.0	1
o-Chlorotoluene	ND		ug/kg	16	1.0	1
p-Chlorotoluene	ND		ug/kg	16	1.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	16	2.8	1
Hexachlorobutadiene	ND		ug/kg	16	1.5	1
Isopropylbenzene	ND		ug/kg	3.3	0.58	1
p-Isopropyltoluene	ND		ug/kg	3.3	0.90	1
Naphthalene	ND		ug/kg	16	2.5	1
Acrylonitrile	ND		ug/kg	33	1.2	1
n-Propylbenzene	ND		ug/kg	3.3	0.93	1
1,2,3-Trichlorobenzene	ND		ug/kg	16	1.3	1
1,2,4-Trichlorobenzene	ND		ug/kg	16	2.6	1
1,3,5-Trimethylbenzene	ND		ug/kg	16	2.0	1
1,2,4-Trimethylbenzene	ND		ug/kg	16	1.9	1
1,4-Dioxane	ND		ug/kg	330	57.	1
1,4-Diethylbenzene	ND		ug/kg	13	0.66	1
4-Ethyltoluene	ND		ug/kg	13	0.32	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-03 Date Collected: 08/16/12 00:00

Client ID: CANOPY NORTHWALL 3 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	13	0.60	1
Ethyl ether	ND		ug/kg	16	1.2	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	16	4.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-04
Client ID: CANOPY BOTTOM 1
Sample Location: 348 LANGNER
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/21/12 16:44
Analyst: BN
Percent Solids: 88%

Date Collected: 08/16/12 00:00
Date Received: 08/17/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	28	5.7	1
1,1-Dichloroethane	ND		ug/kg	4.3	0.84	1
Chloroform	ND		ug/kg	4.3	0.92	1
Carbon tetrachloride	ND		ug/kg	2.8	0.60	1
1,2-Dichloropropane	ND		ug/kg	9.9	0.72	1
Dibromochloromethane	ND		ug/kg	2.8	0.87	1
1,1,2-Trichloroethane	ND		ug/kg	4.3	1.1	1
Tetrachloroethene	ND		ug/kg	2.8	0.87	1
Chlorobenzene	ND		ug/kg	2.8	0.53	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	ND		ug/kg	2.8	0.65	1
1,1,1-Trichloroethane	ND		ug/kg	2.8	0.77	1
Bromodichloromethane	ND		ug/kg	2.8	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.8	0.85	1
cis-1,3-Dichloropropene	ND		ug/kg	2.8	0.76	1
1,1-Dichloropropene	ND		ug/kg	14	1.3	1
Bromoform	ND		ug/kg	11	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.8	0.68	1
Benzene	ND		ug/kg	2.8	0.84	1
Toluene	ND		ug/kg	4.3	0.69	1
Ethylbenzene	ND		ug/kg	2.8	0.63	1
Chloromethane	ND		ug/kg	14	2.2	1
Bromomethane	ND		ug/kg	5.7	1.8	1
Vinyl chloride	ND		ug/kg	5.7	2.1	1
Chloroethane	ND		ug/kg	5.7	1.2	1
1,1-Dichloroethene	ND		ug/kg	2.8	0.74	1
trans-1,2-Dichloroethene	ND		ug/kg	4.3	1.1	1
Trichloroethene	ND		ug/kg	2.8	0.64	1
1,2-Dichlorobenzene	ND		ug/kg	14	1.0	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.1	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.2	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-04 Date Collected: 08/16/12 00:00

Client ID: CANOPY BOTTOM 1 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.7	1.4	1
p/m-Xylene	ND		ug/kg	5.7	1.2	1
o-Xylene	ND		ug/kg	5.7	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.8	0.86	1
Dibromomethane	ND		ug/kg	28	1.2	1
Styrene	ND		ug/kg	5.7	2.1	1
Dichlorodifluoromethane	ND		ug/kg	28	1.1	1
Acetone	33		ug/kg	28	9.2	1
Carbon disulfide	ND		ug/kg	28	1.1	1
2-Butanone	ND		ug/kg	28	11.	1
Vinyl acetate	ND		ug/kg	28	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	28	2.3	1
1,2,3-Trichloropropane	ND		ug/kg	28	1.1	1
2-Hexanone	ND		ug/kg	28	1.1	1
Bromochloromethane	ND		ug/kg	14	0.86	1
2,2-Dichloropropane	ND		ug/kg	14	2.2	1
1,2-Dibromoethane	ND		ug/kg	11	1.2	1
1,3-Dichloropropane	ND		ug/kg	14	1.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.8	0.93	1
Bromobenzene	ND		ug/kg	14	0.62	1
n-Butylbenzene	ND		ug/kg	2.8	0.89	1
sec-Butylbenzene	ND		ug/kg	2.8	0.78	1
tert-Butylbenzene	ND		ug/kg	14	1.7	1
o-Chlorotoluene	ND		ug/kg	14	0.89	1
p-Chlorotoluene	ND		ug/kg	14	1.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.4	1
Hexachlorobutadiene	ND		ug/kg	14	1.3	1
Isopropylbenzene	ND		ug/kg	2.8	0.50	1
p-Isopropyltoluene	ND		ug/kg	2.8	0.78	1
Naphthalene	ND		ug/kg	14	2.2	1
Acrylonitrile	ND		ug/kg	28	1.1	1
n-Propylbenzene	ND		ug/kg	2.8	0.81	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.1	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.6	1
1,4-Dioxane	ND		ug/kg	280	49.	1
1,4-Diethylbenzene	ND		ug/kg	11	0.57	1
4-Ethyltoluene	ND		ug/kg	11	0.28	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-04 Date Collected: 08/16/12 00:00

Client ID: CANOPY BOTTOM 1 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	0.51	1
Ethyl ether	ND		ug/kg	14	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	101		70-130

Project Name: 348 LANGNER
Lab Number: L1214816
Project Number: 0123-005-102
Report Date: 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-05
Client ID: CANOPY BOTTOM 2
Sample Location: 348 LANGNER
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/21/12 17:11
Analyst: BN
Percent Solids: 85%

Date Collected: 08/16/12 00:00
Date Received: 08/17/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	29	5.9	1
1,1-Dichloroethane	ND		ug/kg	4.4	0.87	1
Chloroform	ND		ug/kg	4.4	0.95	1
Carbon tetrachloride	ND		ug/kg	2.9	0.62	1
1,2-Dichloropropane	ND		ug/kg	10	0.75	1
Dibromochloromethane	ND		ug/kg	2.9	0.90	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	1.2	1
Tetrachloroethene	ND		ug/kg	2.9	0.90	1
Chlorobenzene	ND		ug/kg	2.9	0.55	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	2.9	0.67	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	0.79	1
Bromodichloromethane	ND		ug/kg	2.9	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	0.88	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	0.78	1
1,1-Dichloropropene	ND		ug/kg	15	1.3	1
Bromoform	ND		ug/kg	12	1.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	0.71	1
Benzene	ND		ug/kg	2.9	0.87	1
Toluene	ND		ug/kg	4.4	0.71	1
Ethylbenzene	ND		ug/kg	2.9	0.65	1
Chloromethane	ND		ug/kg	15	2.3	1
Bromomethane	ND		ug/kg	5.9	1.9	1
Vinyl chloride	ND		ug/kg	5.9	2.2	1
Chloroethane	ND		ug/kg	5.9	1.3	1
1,1-Dichloroethene	ND		ug/kg	2.9	0.76	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	1.2	1
Trichloroethene	ND		ug/kg	2.9	0.66	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.2	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-05 Date Collected: 08/16/12 00:00

Client ID: CANOPY BOTTOM 2 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.9	1.4	1
p/m-Xylene	ND		ug/kg	5.9	1.3	1
o-Xylene	ND		ug/kg	5.9	1.2	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	0.89	1
Dibromomethane	ND		ug/kg	29	1.3	1
Styrene	ND		ug/kg	5.9	2.1	1
Dichlorodifluoromethane	ND		ug/kg	29	1.1	1
Acetone	ND		ug/kg	29	9.5	1
Carbon disulfide	ND		ug/kg	29	1.1	1
2-Butanone	ND		ug/kg	29	11.	1
Vinyl acetate	ND		ug/kg	29	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	29	2.4	1
1,2,3-Trichloropropane	ND		ug/kg	29	1.1	1
2-Hexanone	ND		ug/kg	29	1.2	1
Bromochloromethane	ND		ug/kg	15	0.89	1
2,2-Dichloropropane	ND		ug/kg	15	2.3	1
1,2-Dibromoethane	ND		ug/kg	12	1.2	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	0.96	1
Bromobenzene	ND		ug/kg	15	0.65	1
n-Butylbenzene	ND		ug/kg	2.9	0.92	1
sec-Butylbenzene	ND		ug/kg	2.9	0.81	1
tert-Butylbenzene	ND		ug/kg	15	1.8	1
o-Chlorotoluene	ND		ug/kg	15	0.92	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.5	1
Hexachlorobutadiene	ND		ug/kg	15	1.3	1
Isopropylbenzene	ND		ug/kg	2.9	0.52	1
p-Isopropyltoluene	ND		ug/kg	2.9	0.80	1
Naphthalene	ND		ug/kg	15	2.3	1
Acrylonitrile	ND		ug/kg	29	1.1	1
n-Propylbenzene	ND		ug/kg	2.9	0.84	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.7	1
1,4-Dioxane	ND		ug/kg	290	51.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.59	1
4-Ethyltoluene	ND		ug/kg	12	0.28	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-05 Date Collected: 08/16/12 00:00

Client ID: CANOPY BOTTOM 2 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.53	1
Ethyl ether	ND		ug/kg	15	1.1	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-06
Client ID: CANOPY SOUTHWALL 1
Sample Location: 348 LANGNER
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/21/12 17:39
Analyst: BN
Percent Solids: 75%

Date Collected: 08/16/12 00:00
Date Received: 08/17/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	8.2	J	ug/kg	33	6.7	1
1,1-Dichloroethane	ND		ug/kg	5.0	0.98	1
Chloroform	ND		ug/kg	5.0	1.1	1
Carbon tetrachloride	ND		ug/kg	3.3	0.70	1
1,2-Dichloropropane	ND		ug/kg	12	0.85	1
Dibromochloromethane	ND		ug/kg	3.3	1.0	1
1,1,2-Trichloroethane	ND		ug/kg	5.0	1.3	1
Tetrachloroethene	ND		ug/kg	3.3	1.0	1
Chlorobenzene	ND		ug/kg	3.3	0.62	1
Trichlorofluoromethane	ND		ug/kg	17	1.3	1
1,2-Dichloroethane	ND		ug/kg	3.3	0.76	1
1,1,1-Trichloroethane	ND		ug/kg	3.3	0.90	1
Bromodichloromethane	ND		ug/kg	3.3	1.3	1
trans-1,3-Dichloropropene	ND		ug/kg	3.3	1.0	1
cis-1,3-Dichloropropene	ND		ug/kg	3.3	0.89	1
1,1-Dichloropropene	ND		ug/kg	17	1.5	1
Bromoform	ND		ug/kg	13	1.6	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.3	0.80	1
Benzene	ND		ug/kg	3.3	0.99	1
Toluene	ND		ug/kg	5.0	0.80	1
Ethylbenzene	ND		ug/kg	3.3	0.74	1
Chloromethane	ND		ug/kg	17	2.6	1
Bromomethane	ND		ug/kg	6.7	2.2	1
Vinyl chloride	ND		ug/kg	6.7	2.5	1
Chloroethane	ND		ug/kg	6.7	1.5	1
1,1-Dichloroethene	ND		ug/kg	3.3	0.87	1
trans-1,2-Dichloroethene	ND		ug/kg	5.0	1.3	1
Trichloroethene	ND		ug/kg	3.3	0.75	1
1,2-Dichlorobenzene	ND		ug/kg	17	1.2	1
1,3-Dichlorobenzene	ND		ug/kg	17	1.3	1
1,4-Dichlorobenzene	ND		ug/kg	17	1.4	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-06 Date Collected: 08/16/12 00:00

Client ID: CANOPY SOUTHWALL 1 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	12		ug/kg	6.7	1.6	1
p/m-Xylene	ND		ug/kg	6.7	1.4	1
o-Xylene	ND		ug/kg	6.7	1.4	1
cis-1,2-Dichloroethene	ND		ug/kg	3.3	1.0	1
Dibromomethane	ND		ug/kg	33	1.4	1
Styrene	ND		ug/kg	6.7	2.4	1
Dichlorodifluoromethane	ND		ug/kg	33	1.3	1
Acetone	370		ug/kg	33	11.	1
Carbon disulfide	2.6	J	ug/kg	33	1.2	1
2-Butanone	63		ug/kg	33	13.	1
Vinyl acetate	ND		ug/kg	33	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	33	2.7	1
1,2,3-Trichloropropane	ND		ug/kg	33	1.3	1
2-Hexanone	ND		ug/kg	33	1.3	1
Bromochloromethane	ND		ug/kg	17	1.0	1
2,2-Dichloropropane	ND		ug/kg	17	2.6	1
1,2-Dibromoethane	ND		ug/kg	13	1.4	1
1,3-Dichloropropane	ND		ug/kg	17	1.9	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.3	1.1	1
Bromobenzene	ND		ug/kg	17	0.73	1
n-Butylbenzene	ND		ug/kg	3.3	1.0	1
sec-Butylbenzene	ND		ug/kg	3.3	0.92	1
tert-Butylbenzene	ND		ug/kg	17	2.0	1
o-Chlorotoluene	ND		ug/kg	17	1.0	1
p-Chlorotoluene	ND		ug/kg	17	1.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	17	2.8	1
Hexachlorobutadiene	ND		ug/kg	17	1.5	1
Isopropylbenzene	ND		ug/kg	3.3	0.59	1
p-Isopropyltoluene	ND		ug/kg	3.3	0.91	1
Naphthalene	ND		ug/kg	17	2.6	1
Acrylonitrile	ND		ug/kg	33	1.2	1
n-Propylbenzene	ND		ug/kg	3.3	0.95	1
1,2,3-Trichlorobenzene	ND		ug/kg	17	1.3	1
1,2,4-Trichlorobenzene	ND		ug/kg	17	2.6	1
1,3,5-Trimethylbenzene	ND		ug/kg	17	2.0	1
1,2,4-Trimethylbenzene	ND		ug/kg	17	1.9	1
1,4-Dioxane	ND		ug/kg	330	58.	1
1,4-Diethylbenzene	ND		ug/kg	13	0.67	1
4-Ethyltoluene	ND		ug/kg	13	0.32	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-06 Date Collected: 08/16/12 00:00

Client ID: CANOPY SOUTHWALL 1 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	13	0.60	1
Ethyl ether	ND		ug/kg	17	1.3	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	17	4.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-07
Client ID: CANOPY SOUTHWALL 2
Sample Location: 348 LANGNER
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/21/12 18:06
Analyst: BN
Percent Solids: 81%

Date Collected: 08/16/12 00:00
Date Received: 08/17/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	9.5	J	ug/kg	31	6.2	1
1,1-Dichloroethane	ND		ug/kg	4.6	0.91	1
Chloroform	ND		ug/kg	4.6	1.0	1
Carbon tetrachloride	ND		ug/kg	3.1	0.65	1
1,2-Dichloropropane	ND		ug/kg	11	0.79	1
Dibromochloromethane	ND		ug/kg	3.1	0.95	1
1,1,2-Trichloroethane	ND		ug/kg	4.6	1.2	1
Tetrachloroethene	ND		ug/kg	3.1	0.94	1
Chlorobenzene	ND		ug/kg	3.1	0.57	1
Trichlorofluoromethane	ND		ug/kg	15	1.2	1
1,2-Dichloroethane	ND		ug/kg	3.1	0.70	1
1,1,1-Trichloroethane	ND		ug/kg	3.1	0.83	1
Bromodichloromethane	ND		ug/kg	3.1	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	3.1	0.93	1
cis-1,3-Dichloropropene	ND		ug/kg	3.1	0.82	1
1,1-Dichloropropene	ND		ug/kg	15	1.4	1
Bromoform	ND		ug/kg	12	1.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.1	0.74	1
Benzene	ND		ug/kg	3.1	0.92	1
Toluene	ND		ug/kg	4.6	0.74	1
Ethylbenzene	ND		ug/kg	3.1	0.68	1
Chloromethane	ND		ug/kg	15	2.4	1
Bromomethane	ND		ug/kg	6.2	2.0	1
Vinyl chloride	ND		ug/kg	6.2	2.3	1
Chloroethane	ND		ug/kg	6.2	1.4	1
1,1-Dichloroethene	ND		ug/kg	3.1	0.80	1
trans-1,2-Dichloroethene	ND		ug/kg	4.6	1.2	1
Trichloroethene	ND		ug/kg	3.1	0.69	1
1,2-Dichlorobenzene	ND		ug/kg	15	1.1	1
1,3-Dichlorobenzene	ND		ug/kg	15	1.2	1
1,4-Dichlorobenzene	ND		ug/kg	15	1.3	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-07 Date Collected: 08/16/12 00:00

Client ID: CANOPY SOUTHWALL 2 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	6.2	1.5	1
p/m-Xylene	ND		ug/kg	6.2	1.3	1
o-Xylene	ND		ug/kg	6.2	1.3	1
cis-1,2-Dichloroethene	ND		ug/kg	3.1	0.93	1
Dibromomethane	ND		ug/kg	31	1.3	1
Styrene	ND		ug/kg	6.2	2.2	1
Dichlorodifluoromethane	ND		ug/kg	31	1.2	1
Acetone	ND		ug/kg	31	10.	1
Carbon disulfide	2.0	J	ug/kg	31	1.2	1
2-Butanone	ND		ug/kg	31	12.	1
Vinyl acetate	ND		ug/kg	31	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	31	2.5	1
1,2,3-Trichloropropane	ND		ug/kg	31	1.2	1
2-Hexanone	ND		ug/kg	31	1.2	1
Bromochloromethane	ND		ug/kg	15	0.93	1
2,2-Dichloropropane	ND		ug/kg	15	2.4	1
1,2-Dibromoethane	ND		ug/kg	12	1.3	1
1,3-Dichloropropane	ND		ug/kg	15	1.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.1	1.0	1
Bromobenzene	ND		ug/kg	15	0.68	1
n-Butylbenzene	ND		ug/kg	3.1	0.97	1
sec-Butylbenzene	ND		ug/kg	3.1	0.85	1
tert-Butylbenzene	ND		ug/kg	15	1.9	1
o-Chlorotoluene	ND		ug/kg	15	0.97	1
p-Chlorotoluene	ND		ug/kg	15	1.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	2.6	1
Hexachlorobutadiene	ND		ug/kg	15	1.4	1
Isopropylbenzene	ND		ug/kg	3.1	0.55	1
p-Isopropyltoluene	ND		ug/kg	3.1	0.84	1
Naphthalene	ND		ug/kg	15	2.4	1
Acrylonitrile	ND		ug/kg	31	1.2	1
n-Propylbenzene	ND		ug/kg	3.1	0.88	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	1.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	2.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	1.8	1
1,4-Dioxane	ND		ug/kg	310	54.	1
1,4-Diethylbenzene	ND		ug/kg	12	0.62	1
4-Ethyltoluene	ND		ug/kg	12	0.30	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-07 Date Collected: 08/16/12 00:00

Client ID: CANOPY SOUTHWALL 2 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	0.56	1
Ethyl ether	ND		ug/kg	15	1.2	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	4.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	101		70-130

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-08
Client ID: CANOPY SOUTHWALL 3
Sample Location: 348 LANGNER
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/21/12 18:34
Analyst: BN
Percent Solids: 92%

Date Collected: 08/16/12 00:00
Date Received: 08/17/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	9.3	J	ug/kg	27	5.4	1
1,1-Dichloroethane	ND		ug/kg	4.1	0.80	1
Chloroform	ND		ug/kg	4.1	0.88	1
Carbon tetrachloride	ND		ug/kg	2.7	0.57	1
1,2-Dichloropropane	ND		ug/kg	9.5	0.69	1
Dibromochloromethane	ND		ug/kg	2.7	0.84	1
1,1,2-Trichloroethane	ND		ug/kg	4.1	1.1	1
Tetrachloroethene	ND		ug/kg	2.7	0.83	1
Chlorobenzene	ND		ug/kg	2.7	0.50	1
Trichlorofluoromethane	ND		ug/kg	14	1.1	1
1,2-Dichloroethane	ND		ug/kg	2.7	0.62	1
1,1,1-Trichloroethane	ND		ug/kg	2.7	0.73	1
Bromodichloromethane	ND		ug/kg	2.7	1.0	1
trans-1,3-Dichloropropene	ND		ug/kg	2.7	0.82	1
cis-1,3-Dichloropropene	ND		ug/kg	2.7	0.73	1
1,1-Dichloropropene	ND		ug/kg	14	1.2	1
Bromoform	ND		ug/kg	11	1.3	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	0.65	1
Benzene	ND		ug/kg	2.7	0.81	1
Toluene	ND		ug/kg	4.1	0.66	1
Ethylbenzene	ND		ug/kg	2.7	0.60	1
Chloromethane	ND		ug/kg	14	2.1	1
Bromomethane	ND		ug/kg	5.4	1.8	1
Vinyl chloride	ND		ug/kg	5.4	2.0	1
Chloroethane	ND		ug/kg	5.4	1.2	1
1,1-Dichloroethene	ND		ug/kg	2.7	0.70	1
trans-1,2-Dichloroethene	ND		ug/kg	4.1	1.1	1
Trichloroethene	ND		ug/kg	2.7	0.61	1
1,2-Dichlorobenzene	ND		ug/kg	14	0.99	1
1,3-Dichlorobenzene	ND		ug/kg	14	1.1	1
1,4-Dichlorobenzene	ND		ug/kg	14	1.1	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-08 Date Collected: 08/16/12 00:00

Client ID: CANOPY SOUTHWALL 3 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	5.4	1.3	1
p/m-Xylene	ND		ug/kg	5.4	1.2	1
o-Xylene	ND		ug/kg	5.4	1.1	1
cis-1,2-Dichloroethene	ND		ug/kg	2.7	0.82	1
Dibromomethane	ND		ug/kg	27	1.2	1
Styrene	ND		ug/kg	5.4	2.0	1
Dichlorodifluoromethane	ND		ug/kg	27	1.0	1
Acetone	28		ug/kg	27	8.8	1
Carbon disulfide	ND		ug/kg	27	1.0	1
2-Butanone	ND		ug/kg	27	10.	1
Vinyl acetate	ND		ug/kg	27	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	27	2.2	1
1,2,3-Trichloropropane	ND		ug/kg	27	1.0	1
2-Hexanone	ND		ug/kg	27	1.1	1
Bromochloromethane	ND		ug/kg	14	0.82	1
2,2-Dichloropropane	ND		ug/kg	14	2.2	1
1,2-Dibromoethane	ND		ug/kg	11	1.1	1
1,3-Dichloropropane	ND		ug/kg	14	1.5	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.7	0.89	1
Bromobenzene	ND		ug/kg	14	0.60	1
n-Butylbenzene	ND		ug/kg	2.7	0.85	1
sec-Butylbenzene	ND		ug/kg	2.7	0.75	1
tert-Butylbenzene	ND		ug/kg	14	1.6	1
o-Chlorotoluene	ND		ug/kg	14	0.85	1
p-Chlorotoluene	ND		ug/kg	14	0.98	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	2.3	1
Hexachlorobutadiene	ND		ug/kg	14	1.2	1
Isopropylbenzene	ND		ug/kg	2.7	0.48	1
p-Isopropyltoluene	ND		ug/kg	2.7	0.74	1
Naphthalene	ND		ug/kg	14	2.1	1
Acrylonitrile	ND		ug/kg	27	1.0	1
n-Propylbenzene	ND		ug/kg	2.7	0.77	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	1.1	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	2.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	1.6	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	1.6	1
1,4-Dioxane	ND		ug/kg	270	47.	1
1,4-Diethylbenzene	ND		ug/kg	11	0.54	1
4-Ethyltoluene	ND		ug/kg	11	0.26	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-08 Date Collected: 08/16/12 00:00

Client ID: CANOPY SOUTHWALL 3 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	0.49	1
Ethyl ether	ND		ug/kg	14	1.0	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	4.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: 348 LANGNER
Project Number: 0123-005-102

Lab Number: L1214816
Report Date: 08/22/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/21/12 08:56
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG556330-3					
Methylene chloride	ND		ug/kg	25	5.0
1,1-Dichloroethane	ND		ug/kg	3.8	0.74
Chloroform	ND		ug/kg	3.8	0.81
Carbon tetrachloride	ND		ug/kg	2.5	0.53
1,2-Dichloropropane	ND		ug/kg	8.8	0.64
Dibromochloromethane	ND		ug/kg	2.5	0.77
1,1,2-Trichloroethane	ND		ug/kg	3.8	0.98
Tetrachloroethene	ND		ug/kg	2.5	0.76
Chlorobenzene	ND		ug/kg	2.5	0.46
Trichlorofluoromethane	ND		ug/kg	12	0.98
1,2-Dichloroethane	ND		ug/kg	2.5	0.57
1,1,1-Trichloroethane	ND		ug/kg	2.5	0.67
Bromodichloromethane	ND		ug/kg	2.5	0.96
trans-1,3-Dichloropropene	ND		ug/kg	2.5	0.75
cis-1,3-Dichloropropene	ND		ug/kg	2.5	0.67
1,1-Dichloropropene	ND		ug/kg	12	1.1
Bromoform	ND		ug/kg	10	1.2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	0.60
Benzene	ND		ug/kg	2.5	0.74
Toluene	ND		ug/kg	3.8	0.60
Ethylbenzene	ND		ug/kg	2.5	0.55
Chloromethane	ND		ug/kg	12	2.0
Bromomethane	ND		ug/kg	5.0	1.6
Vinyl chloride	ND		ug/kg	5.0	1.9
Chloroethane	ND		ug/kg	5.0	1.1
1,1-Dichloroethene	ND		ug/kg	2.5	0.65
trans-1,2-Dichloroethene	ND		ug/kg	3.8	0.98
Trichloroethene	ND		ug/kg	2.5	0.56
1,2-Dichlorobenzene	ND		ug/kg	12	0.91
1,3-Dichlorobenzene	ND		ug/kg	12	1.0
1,4-Dichlorobenzene	ND		ug/kg	12	1.0

Project Name: 348 LANGNER
Project Number: 0123-005-102

Lab Number: L1214816
Report Date: 08/22/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/21/12 08:56
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG556330-3					
Methyl tert butyl ether	ND		ug/kg	5.0	1.2
p/m-Xylene	ND		ug/kg	5.0	1.1
o-Xylene	ND		ug/kg	5.0	1.0
cis-1,2-Dichloroethene	ND		ug/kg	2.5	0.75
Dibromomethane	ND		ug/kg	25	1.1
Styrene	ND		ug/kg	5.0	1.8
Dichlorodifluoromethane	ND		ug/kg	25	0.97
Acetone	ND		ug/kg	25	8.1
Carbon disulfide	ND		ug/kg	25	0.94
2-Butanone	ND		ug/kg	25	9.7
Vinyl acetate	ND		ug/kg	25	1.9
4-Methyl-2-pentanone	ND		ug/kg	25	2.0
1,2,3-Trichloropropane	ND		ug/kg	25	0.97
2-Hexanone	ND		ug/kg	25	0.99
Bromochloromethane	ND		ug/kg	12	0.76
2,2-Dichloropropane	ND		ug/kg	12	2.0
1,2-Dibromoethane	ND		ug/kg	10	1.0
1,3-Dichloropropane	ND		ug/kg	12	1.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	0.82
Bromobenzene	ND		ug/kg	12	0.55
n-Butylbenzene	ND		ug/kg	2.5	0.79
sec-Butylbenzene	ND		ug/kg	2.5	0.69
tert-Butylbenzene	ND		ug/kg	12	1.5
o-Chlorotoluene	ND		ug/kg	12	0.78
p-Chlorotoluene	ND		ug/kg	12	0.90
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	2.1
Hexachlorobutadiene	ND		ug/kg	12	1.1
Isopropylbenzene	ND		ug/kg	2.5	0.44
p-Isopropyltoluene	ND		ug/kg	2.5	0.68
Naphthalene	ND		ug/kg	12	1.9
Acrylonitrile	ND		ug/kg	25	0.94

Project Name: 348 LANGNER
Project Number: 0123-005-102

Lab Number: L1214816
Report Date: 08/22/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/21/12 08:56
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG556330-3					
n-Propylbenzene	ND		ug/kg	2.5	0.71
1,2,3-Trichlorobenzene	ND		ug/kg	12	1.0
1,2,4-Trichlorobenzene	ND		ug/kg	12	2.0
1,3,5-Trimethylbenzene	ND		ug/kg	12	1.5
1,2,4-Trimethylbenzene	ND		ug/kg	12	1.4
1,4-Dioxane	ND		ug/kg	250	44.
1,4-Diethylbenzene	ND		ug/kg	10	0.50
4-Ethyltoluene	ND		ug/kg	10	0.24
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	0.45
Ethyl ether	ND		ug/kg	12	0.95
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.7

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER

Project Number: 0123-005-102

Lab Number: L1214816

Report Date: 08/22/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG556330-1 WG556330-2								
Methylene chloride	91		91		70-130	0		30
1,1-Dichloroethane	98		95		70-130	3		30
Chloroform	97		94		70-130	3		30
Carbon tetrachloride	91		89		70-130	2		30
1,2-Dichloropropane	97		96		70-130	1		30
Dibromochloromethane	86		87		70-130	1		30
1,1,2-Trichloroethane	94		95		70-130	1		30
Tetrachloroethene	94		92		70-130	2		30
Chlorobenzene	95		93		70-130	2		30
Trichlorofluoromethane	82		80		70-139	2		30
1,2-Dichloroethane	91		90		70-130	1		30
1,1,1-Trichloroethane	93		91		70-130	2		30
Bromodichloromethane	91		91		70-130	0		30
trans-1,3-Dichloropropene	92		92		70-130	0		30
cis-1,3-Dichloropropene	94		93		70-130	1		30
1,1-Dichloropropene	98		94		70-130	4		30
Bromoform	82		84		70-130	2		30
1,1,2,2-Tetrachloroethane	88		89		70-130	1		30
Benzene	99		96		70-130	3		30
Toluene	93		91		70-130	2		30
Ethylbenzene	96		93		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER

Project Number: 0123-005-102

Lab Number: L1214816

Report Date: 08/22/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG556330-1 WG556330-2								
Chloromethane	83		81		52-130	2		30
Bromomethane	83		88		57-147	6		30
Vinyl chloride	78		74		67-130	5		30
Chloroethane	82		90		50-151	9		30
1,1-Dichloroethene	95		93		65-135	2		30
trans-1,2-Dichloroethene	98		96		70-130	2		30
Trichloroethene	96		94		70-130	2		30
1,2-Dichlorobenzene	91		90		70-130	1		30
1,3-Dichlorobenzene	94		93		70-130	1		30
1,4-Dichlorobenzene	94		93		70-130	1		30
Methyl tert butyl ether	92		92		66-130	0		30
p/m-Xylene	96		94		70-130	2		30
o-Xylene	96		95		70-130	1		30
cis-1,2-Dichloroethene	99		96		70-130	3		30
Dibromomethane	92		92		70-130	0		30
Styrene	96		94		70-130	2		30
Dichlorodifluoromethane	94		91		30-146	3		30
Acetone	79		87		54-140	10		30
Carbon disulfide	98		97		59-130	1		30
2-Butanone	86		91		70-130	6		30
Vinyl acetate	93		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 348 LANGNER
Project Number: 0123-005-102

Lab Number: L1214816
Report Date: 08/22/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG556330-1 WG556330-2								
4-Methyl-2-pentanone	85		86		70-130	1		30
1,2,3-Trichloropropane	86		88		68-130	2		30
2-Hexanone	82		83		70-130	1		30
Bromochloromethane	96		96		70-130	0		30
2,2-Dichloropropane	95		92		70-130	3		30
1,2-Dibromoethane	89		90		70-130	1		30
1,3-Dichloropropane	92		93		69-130	1		30
1,1,1,2-Tetrachloroethane	89		88		70-130	1		30
Bromobenzene	94		93		70-130	1		30
n-Butylbenzene	99		96		70-130	3		30
sec-Butylbenzene	97		94		70-130	3		30
tert-Butylbenzene	96		93		70-130	3		30
o-Chlorotoluene	96		94		70-130	2		30
p-Chlorotoluene	97		94		70-130	3		30
1,2-Dibromo-3-chloropropane	**62**	Q	**67**	Q	68-130	8		30
Hexachlorobutadiene	88		88		67-130	0		30
Isopropylbenzene	97		95		70-130	2		30
p-Isopropyltoluene	97		95		70-130	2		30
Naphthalene	85		89		70-130	5		30
Acrylonitrile	91		94		70-130	3		30
n-Propylbenzene	99		96		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER

Project Number: 0123-005-102

Lab Number: L1214816

Report Date: 08/22/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG556330-1 WG556330-2								
1,2,3-Trichlorobenzene	88		92		70-130	4		30
1,2,4-Trichlorobenzene	88		88		70-130	0		30
1,3,5-Trimethylbenzene	96		94		70-130	2		30
1,2,4-Trimethylbenzene	97		94		70-130	3		30
1,4-Dioxane	80		79		65-136	1		30
1,4-Diethylbenzene	97		95		70-130	2		30
4-Ethyltoluene	97		94		70-130	3		30
1,2,4,5-Tetramethylbenzene	94		92		70-130	2		30
Ethyl ether	93		95		67-130	2		30
trans-1,4-Dichloro-2-butene	88		88		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		97		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	102		100		70-130
Dibromofluoromethane	99		98		70-130

SEMIVOLATILES

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID:	L1214816-01	Date Collected:	08/16/12 00:00
Client ID:	CANOPY NORTHWALL 1	Date Received:	08/17/12
Sample Location:	348 LANGNER	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/17/12 22:33
Analytical Date:	08/20/12 14:42		
Analyst:	JB		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	44.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	60.	1
Hexachlorobenzene	ND		ug/kg	120	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	39.	1
2-Chloronaphthalene	ND		ug/kg	200	62.	1
1,2-Dichlorobenzene	ND		ug/kg	200	60.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	74.	1
2,4-Dinitrotoluene	ND		ug/kg	200	62.	1
2,6-Dinitrotoluene	ND		ug/kg	200	68.	1
Fluoranthene	28	J	ug/kg	120	27.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	36.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	58.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	52.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	160	1
Hexachloroethane	ND		ug/kg	160	30.	1
Isophorone	ND		ug/kg	180	49.	1
Naphthalene	ND		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	60.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	52.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	410		ug/kg	200	43.	1
Butyl benzyl phthalate	ND		ug/kg	200	58.	1
Di-n-butylphthalate	ND		ug/kg	200	35.	1
Di-n-octylphthalate	ND		ug/kg	200	56.	1
Diethyl phthalate	ND		ug/kg	200	36.	1
Dimethyl phthalate	ND		ug/kg	200	34.	1
Benzo(a)anthracene	ND		ug/kg	120	41.	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-01 Date Collected: 08/16/12 00:00

Client ID: CANOPY NORTHWALL 1 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	36.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	32.	1
Acenaphthylene	ND		ug/kg	160	53.	1
Anthracene	ND		ug/kg	120	28.	1
Benzo(ghi)perylene	ND		ug/kg	160	52.	1
Fluorene	ND		ug/kg	200	38.	1
Phenanthrene	ND		ug/kg	120	34.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	50.	1
Pyrene	ND		ug/kg	120	34.	1
Biphenyl	ND		ug/kg	470	140	1
4-Chloroaniline	ND		ug/kg	200	69.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	23.	1
4-Nitroaniline	ND		ug/kg	200	120	1
Dibenzofuran	ND		ug/kg	200	42.	1
2-Methylnaphthalene	ND		ug/kg	250	81.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	66.	1
Acetophenone	ND		ug/kg	200	66.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	42.	1
2-Chlorophenol	ND		ug/kg	200	64.	1
2,4-Dichlorophenol	ND		ug/kg	180	60.	1
2,4-Dimethylphenol	ND		ug/kg	200	85.	1
2-Nitrophenol	ND		ug/kg	440	150	1
4-Nitrophenol	ND		ug/kg	290	88.	1
2,4-Dinitrophenol	ND		ug/kg	990	320	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	190	1
Pentachlorophenol	ND		ug/kg	160	49.	1
Phenol	ND		ug/kg	200	65.	1
2-Methylphenol	ND		ug/kg	200	51.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	89.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	48.	1
Benzoic Acid	ND		ug/kg	670	170	1
Benzyl Alcohol	ND		ug/kg	200	48.	1
Carbazole	ND		ug/kg	200	33.	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-01 Date Collected: 08/16/12 00:00

Client ID: CANOPY NORTHWALL 1 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	105		0-136
4-Terphenyl-d14	94		18-120

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID:	L1214816-02	Date Collected:	08/16/12 00:00
Client ID:	CANOPY NORTHWALL 2	Date Received:	08/17/12
Sample Location:	348 LANGNER	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/17/12 22:33
Analytical Date:	08/20/12 15:07		
Analyst:	JB		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	45.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	60.	1
Hexachlorobenzene	ND		ug/kg	120	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	39.	1
2-Chloronaphthalene	ND		ug/kg	210	62.	1
1,2-Dichlorobenzene	ND		ug/kg	210	61.	1
1,3-Dichlorobenzene	ND		ug/kg	210	64.	1
1,4-Dichlorobenzene	ND		ug/kg	210	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	75.	1
2,4-Dinitrotoluene	ND		ug/kg	210	62.	1
2,6-Dinitrotoluene	ND		ug/kg	210	68.	1
Fluoranthene	69	J	ug/kg	120	27.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	37.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	59.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	52.	1
Hexachlorobutadiene	ND		ug/kg	210	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	160	1
Hexachloroethane	ND		ug/kg	170	30.	1
Isophorone	ND		ug/kg	190	49.	1
Naphthalene	ND		ug/kg	210	66.	1
Nitrobenzene	ND		ug/kg	190	60.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	170	52.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	43.	1
Butyl benzyl phthalate	ND		ug/kg	210	58.	1
Di-n-butylphthalate	ND		ug/kg	210	35.	1
Di-n-octylphthalate	ND		ug/kg	210	56.	1
Diethyl phthalate	ND		ug/kg	210	36.	1
Dimethyl phthalate	ND		ug/kg	210	34.	1
Benzo(a)anthracene	ND		ug/kg	120	41.	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-02 Date Collected: 08/16/12 00:00

Client ID: CANOPY NORTHWALL 2 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	170	49.	1
Benzo(b)fluoranthene	60	J	ug/kg	120	37.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	46	J	ug/kg	120	32.	1
Acenaphthylene	ND		ug/kg	170	54.	1
Anthracene	ND		ug/kg	120	29.	1
Benzo(ghi)perylene	ND		ug/kg	170	52.	1
Fluorene	ND		ug/kg	210	38.	1
Phenanthrene	45	J	ug/kg	120	35.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	170	51.	1
Pyrene	66	J	ug/kg	120	34.	1
Biphenyl	ND		ug/kg	470	140	1
4-Chloroaniline	ND		ug/kg	210	70.	1
2-Nitroaniline	ND		ug/kg	210	38.	1
3-Nitroaniline	ND		ug/kg	210	23.	1
4-Nitroaniline	ND		ug/kg	210	130	1
Dibenzofuran	ND		ug/kg	210	43.	1
2-Methylnaphthalene	ND		ug/kg	250	82.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	66.	1
Acetophenone	ND		ug/kg	210	67.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	210	42.	1
2-Chlorophenol	ND		ug/kg	210	65.	1
2,4-Dichlorophenol	ND		ug/kg	190	60.	1
2,4-Dimethylphenol	ND		ug/kg	210	86.	1
2-Nitrophenol	ND		ug/kg	450	150	1
4-Nitrophenol	ND		ug/kg	290	88.	1
2,4-Dinitrophenol	ND		ug/kg	1000	320	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	200	1
Pentachlorophenol	ND		ug/kg	170	49.	1
Phenol	ND		ug/kg	210	65.	1
2-Methylphenol	ND		ug/kg	210	51.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	90.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	48.	1
Benzoic Acid	ND		ug/kg	670	180	1
Benzyl Alcohol	ND		ug/kg	210	48.	1
Carbazole	ND		ug/kg	210	33.	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-02 Date Collected: 08/16/12 00:00

Client ID: CANOPY NORTHWALL 2 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	104		0-136
4-Terphenyl-d14	93		18-120

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-03 D
Client ID: CANOPY NORTHWALL 3
Sample Location: 348 LANGNER
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/20/12 15:33
Analyst: JB
Percent Solids: 76%

Date Collected: 08/16/12 00:00
Date Received: 08/17/12
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/17/12 22:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	850	230	5
1,2,4-Trichlorobenzene	ND		ug/kg	1100	310	5
Hexachlorobenzene	ND		ug/kg	640	170	5
Bis(2-chloroethyl)ether	ND		ug/kg	960	200	5
2-Chloronaphthalene	ND		ug/kg	1100	320	5
1,2-Dichlorobenzene	ND		ug/kg	1100	310	5
1,3-Dichlorobenzene	ND		ug/kg	1100	330	5
1,4-Dichlorobenzene	ND		ug/kg	1100	300	5
3,3'-Dichlorobenzidine	ND		ug/kg	1100	380	5
2,4-Dinitrotoluene	ND		ug/kg	1100	320	5
2,6-Dinitrotoluene	ND		ug/kg	1100	350	5
Fluoranthene	640		ug/kg	640	140	5
4-Chlorophenyl phenyl ether	ND		ug/kg	1100	190	5
4-Bromophenyl phenyl ether	ND		ug/kg	1100	220	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1300	300	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1200	270	5
Hexachlorobutadiene	ND		ug/kg	1100	280	5
Hexachlorocyclopentadiene	ND		ug/kg	3100	840	5
Hexachloroethane	ND		ug/kg	850	150	5
Isophorone	ND		ug/kg	960	250	5
Naphthalene	ND		ug/kg	1100	340	5
Nitrobenzene	ND		ug/kg	960	310	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	850	270	5
n-Nitrosodi-n-propylamine	ND		ug/kg	1100	300	5
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	1100	220	5
Butyl benzyl phthalate	400	J	ug/kg	1100	300	5
Di-n-butylphthalate	ND		ug/kg	1100	180	5
Di-n-octylphthalate	ND		ug/kg	1100	290	5
Diethyl phthalate	ND		ug/kg	1100	180	5
Dimethyl phthalate	ND		ug/kg	1100	180	5
Benzo(a)anthracene	290	J	ug/kg	640	210	5

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-03 D Date Collected: 08/16/12 00:00

Client ID: CANOPY NORTHWALL 3 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	330	J	ug/kg	850	250	5
Benzo(b)fluoranthene	490	J	ug/kg	640	190	5
Benzo(k)fluoranthene	190	J	ug/kg	640	160	5
Chrysene	370	J	ug/kg	640	170	5
Acenaphthylene	ND		ug/kg	850	280	5
Anthracene	ND		ug/kg	640	150	5
Benzo(ghi)perylene	320	J	ug/kg	850	270	5
Fluorene	ND		ug/kg	1100	200	5
Phenanthrene	240	J	ug/kg	640	180	5
Dibenzo(a,h)anthracene	ND		ug/kg	640	200	5
Indeno(1,2,3-cd)Pyrene	340	J	ug/kg	850	260	5
Pyrene	550	J	ug/kg	640	180	5
Biphenyl	ND		ug/kg	2400	740	5
4-Chloroaniline	ND		ug/kg	1100	360	5
2-Nitroaniline	ND		ug/kg	1100	200	5
3-Nitroaniline	ND		ug/kg	1100	120	5
4-Nitroaniline	ND		ug/kg	1100	650	5
Dibenzofuran	ND		ug/kg	1100	220	5
2-Methylnaphthalene	ND		ug/kg	1300	420	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1100	340	5
Acetophenone	ND		ug/kg	1100	340	5
2,4,6-Trichlorophenol	ND		ug/kg	640	200	5
P-Chloro-M-Cresol	ND		ug/kg	1100	220	5
2-Chlorophenol	ND		ug/kg	1100	330	5
2,4-Dichlorophenol	ND		ug/kg	960	310	5
2,4-Dimethylphenol	ND		ug/kg	1100	440	5
2-Nitrophenol	ND		ug/kg	2300	780	5
4-Nitrophenol	ND		ug/kg	1500	460	5
2,4-Dinitrophenol	ND		ug/kg	5100	1600	5
4,6-Dinitro-o-cresol	ND		ug/kg	2800	1000	5
Pentachlorophenol	ND		ug/kg	850	250	5
Phenol	ND		ug/kg	1100	340	5
2-Methylphenol	ND		ug/kg	1100	260	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1500	460	5
2,4,5-Trichlorophenol	ND		ug/kg	1100	250	5
Benzoic Acid	ND		ug/kg	3400	900	5
Benzyl Alcohol	ND		ug/kg	1100	250	5
Carbazole	ND		ug/kg	1100	170	5

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-03 D Date Collected: 08/16/12 00:00

Client ID: CANOPY NORTHWALL 3 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	97		0-136
4-Terphenyl-d14	97		18-120

Project Name: 348 LANGNER
Lab Number: L1214816
Project Number: 0123-005-102
Report Date: 08/22/12

SAMPLE RESULTS

Lab ID:	L1214816-04	Date Collected:	08/16/12 00:00
Client ID:	CANOPY BOTTOM 1	Date Received:	08/17/12
Sample Location:	348 LANGNER	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/17/12 22:33
Analytical Date:	08/20/12 15:58		
Analyst:	JB		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	54.	1
Hexachlorobenzene	ND		ug/kg	110	29.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	35.	1
2-Chloronaphthalene	ND		ug/kg	190	56.	1
1,2-Dichlorobenzene	ND		ug/kg	190	55.	1
1,3-Dichlorobenzene	ND		ug/kg	190	58.	1
1,4-Dichlorobenzene	ND		ug/kg	190	53.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	67.	1
2,4-Dinitrotoluene	ND		ug/kg	190	56.	1
2,6-Dinitrotoluene	ND		ug/kg	190	61.	1
Fluoranthene	ND		ug/kg	110	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	33.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	52.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	47.	1
Hexachlorobutadiene	ND		ug/kg	190	50.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	150	1
Hexachloroethane	ND		ug/kg	150	27.	1
Isophorone	ND		ug/kg	170	44.	1
Naphthalene	ND		ug/kg	190	59.	1
Nitrobenzene	ND		ug/kg	170	54.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	47.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	52.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	38.	1
Butyl benzyl phthalate	ND		ug/kg	190	52.	1
Di-n-butylphthalate	ND		ug/kg	190	32.	1
Di-n-octylphthalate	ND		ug/kg	190	50.	1
Diethyl phthalate	ND		ug/kg	190	32.	1
Dimethyl phthalate	ND		ug/kg	190	31.	1
Benzo(a)anthracene	ND		ug/kg	110	37.	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-04 Date Collected: 08/16/12 00:00

Client ID: CANOPY BOTTOM 1 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	150	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	33.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	29.	1
Acenaphthylene	ND		ug/kg	150	48.	1
Anthracene	ND		ug/kg	110	26.	1
Benzo(ghi)perylene	ND		ug/kg	150	47.	1
Fluorene	ND		ug/kg	190	34.	1
Phenanthrene	ND		ug/kg	110	31.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	34.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	45.	1
Pyrene	ND		ug/kg	110	31.	1
Biphenyl	ND		ug/kg	420	130	1
4-Chloroaniline	ND		ug/kg	190	63.	1
2-Nitroaniline	ND		ug/kg	190	34.	1
3-Nitroaniline	ND		ug/kg	190	21.	1
4-Nitroaniline	ND		ug/kg	190	110	1
Dibenzofuran	ND		ug/kg	190	38.	1
2-Methylnaphthalene	ND		ug/kg	220	73.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	190	38.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	54.	1
2,4-Dimethylphenol	ND		ug/kg	190	77.	1
2-Nitrophenol	ND		ug/kg	400	140	1
4-Nitrophenol	ND		ug/kg	260	79.	1
2,4-Dinitrophenol	ND		ug/kg	890	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	180	1
Pentachlorophenol	ND		ug/kg	150	44.	1
Phenol	ND		ug/kg	190	58.	1
2-Methylphenol	ND		ug/kg	190	46.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	80.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	43.	1
Benzoic Acid	ND		ug/kg	600	160	1
Benzyl Alcohol	ND		ug/kg	190	43.	1
Carbazole	ND		ug/kg	190	30.	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-04 Date Collected: 08/16/12 00:00

Client ID: CANOPY BOTTOM 1 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		25-120
Phenol-d6	50		10-120
Nitrobenzene-d5	44		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	87		0-136
4-Terphenyl-d14	89		18-120

Project Name: 348 LANGNER
Lab Number: L1214816
Project Number: 0123-005-102
Report Date: 08/22/12

SAMPLE RESULTS

Lab ID:	L1214816-05	Date Collected:	08/16/12 00:00
Client ID:	CANOPY BOTTOM 2	Date Received:	08/17/12
Sample Location:	348 LANGNER	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/17/12 22:33
Analytical Date:	08/20/12 16:24		
Analyst:	JB		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	56.	1
Hexachlorobenzene	ND		ug/kg	110	30.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	36.	1
2-Chloronaphthalene	ND		ug/kg	190	57.	1
1,2-Dichlorobenzene	ND		ug/kg	190	56.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	54.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	69.	1
2,4-Dinitrotoluene	ND		ug/kg	190	57.	1
2,6-Dinitrotoluene	ND		ug/kg	190	63.	1
Fluoranthene	110		ug/kg	110	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	34.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	54.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	48.	1
Hexachlorobutadiene	ND		ug/kg	190	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	150	1
Hexachloroethane	ND		ug/kg	150	28.	1
Isophorone	ND		ug/kg	170	46.	1
Naphthalene	ND		ug/kg	190	61.	1
Nitrobenzene	ND		ug/kg	170	56.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	48.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	53.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	40.	1
Butyl benzyl phthalate	ND		ug/kg	190	54.	1
Di-n-butylphthalate	ND		ug/kg	190	32.	1
Di-n-octylphthalate	ND		ug/kg	190	52.	1
Diethyl phthalate	ND		ug/kg	190	33.	1
Dimethyl phthalate	ND		ug/kg	190	32.	1
Benzo(a)anthracene	50	J	ug/kg	110	38.	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-05 Date Collected: 08/16/12 00:00

Client ID: CANOPY BOTTOM 2 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	68	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	94	J	ug/kg	110	34.	1
Benzo(k)fluoranthene	38	J	ug/kg	110	29.	1
Chrysene	66	J	ug/kg	110	30.	1
Acenaphthylene	ND		ug/kg	150	50.	1
Anthracene	ND		ug/kg	110	26.	1
Benzo(ghi)perylene	87	J	ug/kg	150	48.	1
Fluorene	ND		ug/kg	190	35.	1
Phenanthrene	40	J	ug/kg	110	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	87	J	ug/kg	150	47.	1
Pyrene	93	J	ug/kg	110	31.	1
Biphenyl	ND		ug/kg	440	130	1
4-Chloroaniline	ND		ug/kg	190	64.	1
2-Nitroaniline	ND		ug/kg	190	35.	1
3-Nitroaniline	ND		ug/kg	190	21.	1
4-Nitroaniline	ND		ug/kg	190	120	1
Dibenzofuran	ND		ug/kg	190	39.	1
2-Methylnaphthalene	ND		ug/kg	230	75.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	61.	1
Acetophenone	ND		ug/kg	190	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	39.	1
2-Chlorophenol	ND		ug/kg	190	60.	1
2,4-Dichlorophenol	ND		ug/kg	170	55.	1
2,4-Dimethylphenol	ND		ug/kg	190	79.	1
2-Nitrophenol	ND		ug/kg	410	140	1
4-Nitrophenol	ND		ug/kg	270	81.	1
2,4-Dinitrophenol	ND		ug/kg	920	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	180	1
Pentachlorophenol	ND		ug/kg	150	45.	1
Phenol	ND		ug/kg	190	60.	1
2-Methylphenol	ND		ug/kg	190	47.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	82.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	44.	1
Benzoic Acid	ND		ug/kg	620	160	1
Benzyl Alcohol	ND		ug/kg	190	44.	1
Carbazole	ND		ug/kg	190	31.	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-05 Date Collected: 08/16/12 00:00

Client ID: CANOPY BOTTOM 2 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	110		0-136
4-Terphenyl-d14	98		18-120

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID:	L1214816-06	Date Collected:	08/16/12 00:00
Client ID:	CANOPY SOUTHWALL 1	Date Received:	08/17/12
Sample Location:	348 LANGNER	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/17/12 22:33
Analytical Date:	08/20/12 16:49		
Analyst:	JB		
Percent Solids:	75%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	47.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	64.	1
Hexachlorobenzene	ND		ug/kg	130	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	41.	1
2-Chloronaphthalene	ND		ug/kg	220	65.	1
1,2-Dichlorobenzene	ND		ug/kg	220	64.	1
1,3-Dichlorobenzene	ND		ug/kg	220	67.	1
1,4-Dichlorobenzene	ND		ug/kg	220	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	79.	1
2,4-Dinitrotoluene	ND		ug/kg	220	65.	1
2,6-Dinitrotoluene	ND		ug/kg	220	72.	1
Fluoranthene	ND		ug/kg	130	28.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	38.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	61.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	55.	1
Hexachlorobutadiene	ND		ug/kg	220	58.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	170	1
Hexachloroethane	ND		ug/kg	170	31.	1
Isophorone	ND		ug/kg	200	52.	1
Naphthalene	ND		ug/kg	220	69.	1
Nitrobenzene	ND		ug/kg	200	64.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	170	55.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	61.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	220	45.	1
Butyl benzyl phthalate	ND		ug/kg	220	61.	1
Di-n-butylphthalate	ND		ug/kg	220	37.	1
Di-n-octylphthalate	ND		ug/kg	220	59.	1
Diethyl phthalate	ND		ug/kg	220	38.	1
Dimethyl phthalate	ND		ug/kg	220	36.	1
Benzo(a)anthracene	ND		ug/kg	130	43.	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-06 Date Collected: 08/16/12 00:00

Client ID: CANOPY SOUTHWALL 1 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	170	52.	1
Benzo(b)fluoranthene	ND		ug/kg	130	38.	1
Benzo(k)fluoranthene	ND		ug/kg	130	34.	1
Chrysene	ND		ug/kg	130	34.	1
Acenaphthylene	ND		ug/kg	170	56.	1
Anthracene	ND		ug/kg	130	30.	1
Benzo(ghi)perylene	ND		ug/kg	170	55.	1
Fluorene	ND		ug/kg	220	40.	1
Phenanthrene	46	J	ug/kg	130	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	40.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	170	53.	1
Pyrene	ND		ug/kg	130	36.	1
Biphenyl	ND		ug/kg	500	150	1
4-Chloroaniline	ND		ug/kg	220	73.	1
2-Nitroaniline	ND		ug/kg	220	40.	1
3-Nitroaniline	ND		ug/kg	220	24.	1
4-Nitroaniline	ND		ug/kg	220	130	1
Dibenzofuran	ND		ug/kg	220	45.	1
2-Methylnaphthalene	ND		ug/kg	260	86.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	69.	1
Acetophenone	ND		ug/kg	220	70.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
P-Chloro-M-Cresol	ND		ug/kg	220	44.	1
2-Chlorophenol	ND		ug/kg	220	68.	1
2,4-Dichlorophenol	ND		ug/kg	200	63.	1
2,4-Dimethylphenol	ND		ug/kg	220	90.	1
2-Nitrophenol	ND		ug/kg	470	160	1
4-Nitrophenol	ND		ug/kg	300	93.	1
2,4-Dinitrophenol	ND		ug/kg	1000	340	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	200	1
Pentachlorophenol	ND		ug/kg	170	52.	1
Phenol	ND		ug/kg	220	68.	1
2-Methylphenol	ND		ug/kg	220	54.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	94.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	51.	1
Benzoic Acid	ND		ug/kg	700	180	1
Benzyl Alcohol	ND		ug/kg	220	50.	1
Carbazole	ND		ug/kg	220	35.	1

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-06 Date Collected: 08/16/12 00:00

Client ID: CANOPY SOUTHWALL 1 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		25-120
Phenol-d6	48		10-120
Nitrobenzene-d5	41		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	88		0-136
4-Terphenyl-d14	74		18-120

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID:	L1214816-07 D	Date Collected:	08/16/12 00:00
Client ID:	CANOPY SOUTHWALL 2	Date Received:	08/17/12
Sample Location:	348 LANGNER	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/17/12 22:33
Analytical Date:	08/20/12 17:14		
Analyst:	JB		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	810	220	5
1,2,4-Trichlorobenzene	ND		ug/kg	1000	290	5
Hexachlorobenzene	ND		ug/kg	600	160	5
Bis(2-chloroethyl)ether	ND		ug/kg	910	190	5
2-Chloronaphthalene	ND		ug/kg	1000	300	5
1,2-Dichlorobenzene	ND		ug/kg	1000	300	5
1,3-Dichlorobenzene	ND		ug/kg	1000	310	5
1,4-Dichlorobenzene	ND		ug/kg	1000	290	5
3,3'-Dichlorobenzidine	ND		ug/kg	1000	360	5
2,4-Dinitrotoluene	ND		ug/kg	1000	300	5
2,6-Dinitrotoluene	ND		ug/kg	1000	330	5
Fluoranthene	160	J	ug/kg	600	130	5
4-Chlorophenyl phenyl ether	ND		ug/kg	1000	180	5
4-Bromophenyl phenyl ether	ND		ug/kg	1000	210	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1200	280	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1100	250	5
Hexachlorobutadiene	ND		ug/kg	1000	270	5
Hexachlorocyclopentadiene	ND		ug/kg	2900	800	5
Hexachloroethane	ND		ug/kg	810	140	5
Isophorone	ND		ug/kg	910	240	5
Naphthalene	ND		ug/kg	1000	320	5
Nitrobenzene	ND		ug/kg	910	290	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	810	250	5
n-Nitrosodi-n-propylamine	ND		ug/kg	1000	280	5
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	1000	210	5
Butyl benzyl phthalate	ND		ug/kg	1000	280	5
Di-n-butylphthalate	ND		ug/kg	1000	170	5
Di-n-octylphthalate	ND		ug/kg	1000	270	5
Diethyl phthalate	ND		ug/kg	1000	180	5
Dimethyl phthalate	ND		ug/kg	1000	170	5
Benzo(a)anthracene	ND		ug/kg	600	200	5

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-07 D Date Collected: 08/16/12 00:00

Client ID: CANOPY SOUTHWALL 2 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	810	240	5
Benzo(b)fluoranthene	ND		ug/kg	600	180	5
Benzo(k)fluoranthene	ND		ug/kg	600	160	5
Chrysene	ND		ug/kg	600	160	5
Acenaphthylene	ND		ug/kg	810	260	5
Anthracene	ND		ug/kg	600	140	5
Benzo(ghi)perylene	ND		ug/kg	810	260	5
Fluorene	ND		ug/kg	1000	180	5
Phenanthrene	ND		ug/kg	600	170	5
Dibenzo(a,h)anthracene	ND		ug/kg	600	190	5
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	810	250	5
Pyrene	ND		ug/kg	600	170	5
Biphenyl	ND		ug/kg	2300	700	5
4-Chloroaniline	ND		ug/kg	1000	340	5
2-Nitroaniline	ND		ug/kg	1000	180	5
3-Nitroaniline	ND		ug/kg	1000	110	5
4-Nitroaniline	ND		ug/kg	1000	620	5
Dibenzofuran	ND		ug/kg	1000	210	5
2-Methylnaphthalene	ND		ug/kg	1200	400	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1000	320	5
Acetophenone	ND		ug/kg	1000	320	5
2,4,6-Trichlorophenol	ND		ug/kg	600	180	5
P-Chloro-M-Cresol	ND		ug/kg	1000	210	5
2-Chlorophenol	ND		ug/kg	1000	320	5
2,4-Dichlorophenol	ND		ug/kg	910	290	5
2,4-Dimethylphenol	ND		ug/kg	1000	420	5
2-Nitrophenol	ND		ug/kg	2200	730	5
4-Nitrophenol	ND		ug/kg	1400	430	5
2,4-Dinitrophenol	ND		ug/kg	4800	1600	5
4,6-Dinitro-o-cresol	ND		ug/kg	2600	950	5
Pentachlorophenol	ND		ug/kg	810	240	5
Phenol	ND		ug/kg	1000	320	5
2-Methylphenol	ND		ug/kg	1000	250	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1400	440	5
2,4,5-Trichlorophenol	ND		ug/kg	1000	240	5
Benzoic Acid	ND		ug/kg	3300	850	5
Benzyl Alcohol	ND		ug/kg	1000	230	5
Carbazole	ND		ug/kg	1000	160	5

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-07 D Date Collected: 08/16/12 00:00

Client ID: CANOPY SOUTHWALL 2 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	109		0-136
4-Terphenyl-d14	97		18-120

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID:	L1214816-08 D	Date Collected:	08/16/12 00:00
Client ID:	CANOPY SOUTHWALL 3	Date Received:	08/17/12
Sample Location:	348 LANGNER	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/17/12 22:33
Analytical Date:	08/20/12 17:40		
Analyst:	JB		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	1400	380	10
1,2,4-Trichlorobenzene	ND		ug/kg	1800	520	10
Hexachlorobenzene	ND		ug/kg	1100	280	10
Bis(2-chloroethyl)ether	ND		ug/kg	1600	340	10
2-Chloronaphthalene	ND		ug/kg	1800	530	10
1,2-Dichlorobenzene	ND		ug/kg	1800	520	10
1,3-Dichlorobenzene	ND		ug/kg	1800	550	10
1,4-Dichlorobenzene	ND		ug/kg	1800	500	10
3,3'-Dichlorobenzidine	ND		ug/kg	1800	640	10
2,4-Dinitrotoluene	ND		ug/kg	1800	530	10
2,6-Dinitrotoluene	ND		ug/kg	1800	580	10
Fluoranthene	1000	J	ug/kg	1100	230	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1800	310	10
4-Bromophenyl phenyl ether	ND		ug/kg	1800	370	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2100	500	10
Bis(2-chloroethoxy)methane	ND		ug/kg	1900	440	10
Hexachlorobutadiene	ND		ug/kg	1800	470	10
Hexachlorocyclopentadiene	ND		ug/kg	5100	1400	10
Hexachloroethane	ND		ug/kg	1400	260	10
Isophorone	ND		ug/kg	1600	420	10
Naphthalene	ND		ug/kg	1800	560	10
Nitrobenzene	ND		ug/kg	1600	520	10
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1400	440	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1800	490	10
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	1800	360	10
Butyl benzyl phthalate	ND		ug/kg	1800	500	10
Di-n-butylphthalate	ND		ug/kg	1800	300	10
Di-n-octylphthalate	ND		ug/kg	1800	480	10
Diethyl phthalate	ND		ug/kg	1800	310	10
Dimethyl phthalate	ND		ug/kg	1800	290	10
Benzo(a)anthracene	520	J	ug/kg	1100	350	10

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-08 D Date Collected: 08/16/12 00:00

Client ID: CANOPY SOUTHWALL 3 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)pyrene	580	J	ug/kg	1400	420	10
Benzo(b)fluoranthene	800	J	ug/kg	1100	310	10
Benzo(k)fluoranthene	330	J	ug/kg	1100	270	10
Chrysene	630	J	ug/kg	1100	280	10
Acenaphthylene	ND		ug/kg	1400	460	10
Anthracene	ND		ug/kg	1100	240	10
Benzo(ghi)perylene	500	J	ug/kg	1400	450	10
Fluorene	ND		ug/kg	1800	320	10
Phenanthrene	300	J	ug/kg	1100	290	10
Dibenzo(a,h)anthracene	ND		ug/kg	1100	330	10
Indeno(1,2,3-cd)Pyrene	530	J	ug/kg	1400	430	10
Pyrene	910	J	ug/kg	1100	290	10
Biphenyl	ND		ug/kg	4000	1200	10
4-Chloroaniline	ND		ug/kg	1800	600	10
2-Nitroaniline	ND		ug/kg	1800	320	10
3-Nitroaniline	ND		ug/kg	1800	200	10
4-Nitroaniline	ND		ug/kg	1800	1100	10
Dibenzofuran	ND		ug/kg	1800	360	10
2-Methylnaphthalene	ND		ug/kg	2100	700	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1800	560	10
Acetophenone	ND		ug/kg	1800	570	10
2,4,6-Trichlorophenol	ND		ug/kg	1100	320	10
P-Chloro-M-Cresol	ND		ug/kg	1800	360	10
2-Chlorophenol	ND		ug/kg	1800	550	10
2,4-Dichlorophenol	ND		ug/kg	1600	510	10
2,4-Dimethylphenol	ND		ug/kg	1800	730	10
2-Nitrophenol	ND		ug/kg	3800	1300	10
4-Nitrophenol	ND		ug/kg	2500	750	10
2,4-Dinitrophenol	ND		ug/kg	8500	2700	10
4,6-Dinitro-o-cresol	ND		ug/kg	4600	1700	10
Pentachlorophenol	ND		ug/kg	1400	420	10
Phenol	ND		ug/kg	1800	560	10
2-Methylphenol	ND		ug/kg	1800	440	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2500	760	10
2,4,5-Trichlorophenol	ND		ug/kg	1800	410	10
Benzoic Acid	ND		ug/kg	5700	1500	10
Benzyl Alcohol	ND		ug/kg	1800	410	10
Carbazole	ND		ug/kg	1800	280	10

Project Name: 348 LANGNER **Lab Number:** L1214816

Project Number: 0123-005-102 **Report Date:** 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-08 D Date Collected: 08/16/12 00:00

Client ID: CANOPY SOUTHWALL 3 Date Received: 08/17/12

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	106		0-136
4-Terphenyl-d14	103		18-120

Project Name: 348 LANGNER
Project Number: 0123-005-102

Lab Number: L1214816
Report Date: 08/22/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/20/12 13:25
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 08/17/12 22:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG555608-1					
Acenaphthene	ND		ug/kg	130	36.
1,2,4-Trichlorobenzene	ND		ug/kg	170	48.
Hexachlorobenzene	ND		ug/kg	100	26.
Bis(2-chloroethyl)ether	ND		ug/kg	150	31.
2-Chloronaphthalene	ND		ug/kg	170	50.
1,2-Dichlorobenzene	ND		ug/kg	170	49.
1,3-Dichlorobenzene	ND		ug/kg	170	51.
1,4-Dichlorobenzene	ND		ug/kg	170	47.
3,3'-Dichlorobenzidine	ND		ug/kg	170	60.
2,4-Dinitrotoluene	ND		ug/kg	170	50.
2,6-Dinitrotoluene	ND		ug/kg	170	54.
Fluoranthene	ND		ug/kg	100	22.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	29.
4-Bromophenyl phenyl ether	ND		ug/kg	170	34.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	47.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	42.
Hexachlorobutadiene	ND		ug/kg	170	44.
Hexachlorocyclopentadiene	ND		ug/kg	480	130
Hexachloroethane	ND		ug/kg	130	24.
Isophorone	ND		ug/kg	150	40.
Naphthalene	ND		ug/kg	170	53.
Nitrobenzene	ND		ug/kg	150	48.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	42.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	46.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	34.
Butyl benzyl phthalate	ND		ug/kg	170	46.
Di-n-butylphthalate	ND		ug/kg	170	28.
Di-n-octylphthalate	ND		ug/kg	170	45.
Diethyl phthalate	ND		ug/kg	170	29.
Dimethyl phthalate	ND		ug/kg	170	27.
Benzo(a)anthracene	ND		ug/kg	100	33.

Project Name: 348 LANGNER
Project Number: 0123-005-102

Lab Number: L1214816
Report Date: 08/22/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/20/12 13:25
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 08/17/12 22:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG555608-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	29.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	26.
Acenaphthylene	ND		ug/kg	130	43.
Anthracene	ND		ug/kg	100	23.
Benzo(ghi)perylene	ND		ug/kg	130	42.
Fluorene	ND		ug/kg	170	30.
Phenanthrene	ND		ug/kg	100	28.
Dibenzo(a,h)anthracene	ND		ug/kg	100	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	40.
Pyrene	ND		ug/kg	100	27.
Biphenyl	ND		ug/kg	380	120
4-Chloroaniline	ND		ug/kg	170	56.
2-Nitroaniline	ND		ug/kg	170	30.
3-Nitroaniline	ND		ug/kg	170	19.
4-Nitroaniline	ND		ug/kg	170	100
Dibenzofuran	ND		ug/kg	170	34.
2-Methylnaphthalene	ND		ug/kg	200	65.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	53.
Acetophenone	ND		ug/kg	170	53.
2,4,6-Trichlorophenol	ND		ug/kg	100	30.
P-Chloro-M-Cresol	ND		ug/kg	170	34.
2-Chlorophenol	ND		ug/kg	170	52.
2,4-Dichlorophenol	ND		ug/kg	150	48.
2,4-Dimethylphenol	ND		ug/kg	170	68.
2-Nitrophenol	ND		ug/kg	360	120
4-Nitrophenol	ND		ug/kg	230	71.
2,4-Dinitrophenol	ND		ug/kg	800	260
4,6-Dinitro-o-cresol	ND		ug/kg	430	160
Pentachlorophenol	ND		ug/kg	130	39.

Project Name: 348 LANGNER
Project Number: 0123-005-102

Lab Number: L1214816
Report Date: 08/22/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/20/12 13:25
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 08/17/12 22:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG555608-1					
Phenol	ND		ug/kg	170	52.
2-Methylphenol	ND		ug/kg	170	41.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	72.
2,4,5-Trichlorophenol	ND		ug/kg	170	39.
Benzoic Acid	ND		ug/kg	540	140
Benzyl Alcohol	ND		ug/kg	170	38.
Carbazole	ND		ug/kg	170	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	91		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	105		30-120
2,4,6-Tribromophenol	114		0-136
4-Terphenyl-d14	104		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER

Project Number: 0123-005-102

Lab Number: L1214816

Report Date: 08/22/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG555608-2 WG555608-3								
Acenaphthene	91		92		31-137	1		50
1,2,4-Trichlorobenzene	100		102		38-107	2		50
Hexachlorobenzene	114		116		40-140	2		50
Bis(2-chloroethyl)ether	79		77		40-140	3		50
2-Chloronaphthalene	107		108		40-140	1		50
1,2-Dichlorobenzene	92		91		40-140	1		50
1,3-Dichlorobenzene	89		89		40-140	0		50
1,4-Dichlorobenzene	92		90		28-104	2		50
3,3'-Dichlorobenzidine	76		74		40-140	3		50
2,4-Dinitrotoluene	**113**	Q	**116**	Q	28-89	3		50
2,6-Dinitrotoluene	126		126		40-140	0		50
Fluoranthene	104		106		40-140	2		50
4-Chlorophenyl phenyl ether	107		106		40-140	1		50
4-Bromophenyl phenyl ether	116		117		40-140	1		50
Bis(2-chloroisopropyl)ether	70		69		40-140	1		50
Bis(2-chloroethoxy)methane	89		86		40-117	3		50
Hexachlorobutadiene	105		107		40-140	2		50
Hexachlorocyclopentadiene	93		98		40-140	5		50
Hexachloroethane	84		81		40-140	4		50
Isophorone	88		85		40-140	3		50
Naphthalene	91		91		40-140	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 348 LANGNER
Project Number: 0123-005-102

Lab Number: L1214816
Report Date: 08/22/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG555608-2 WG555608-3								
Nitrobenzene	79		80		40-140	1		50
NitrosoDiPhenylAmine(NDPA)/DPA	103		104			1		50
n-Nitrosodi-n-propylamine	85		83		32-121	2		50
Bis(2-Ethylhexyl)phthalate	99		99		40-140	0		50
Butyl benzyl phthalate	106		109		40-140	3		50
Di-n-butylphthalate	98		100		40-140	2		50
Di-n-octylphthalate	105		104		40-140	1		50
Diethyl phthalate	101		102		40-140	1		50
Dimethyl phthalate	101		100		40-140	1		50
Benzo(a)anthracene	99		96		40-140	3		50
Benzo(a)pyrene	99		102		40-140	3		50
Benzo(b)fluoranthene	100		97		40-140	3		50
Benzo(k)fluoranthene	98		102		40-140	4		50
Chrysene	94		96		40-140	2		50
Acenaphthylene	106		109		40-140	3		50
Anthracene	96		98		40-140	2		50
Benzo(ghi)perylene	99		99		40-140	0		50
Fluorene	100		100		40-140	0		50
Phenanthrene	92		95		40-140	3		50
Dibenzo(a,h)anthracene	101		102		40-140	1		50
Indeno(1,2,3-cd)Pyrene	104		104		40-140	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 348 LANGNER
Project Number: 0123-005-102

Lab Number: L1214816
Report Date: 08/22/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG555608-2 WG555608-3								
Pyrene	100		106		35-142	6		50
Biphenyl	85		85			0		50
4-Chloroaniline	66		67		40-140	2		50
2-Nitroaniline	123		123		47-134	0		50
3-Nitroaniline	71		71		26-129	0		50
4-Nitroaniline	94		97		41-125	3		50
Dibenzofuran	100		99		40-140	1		50
2-Methylnaphthalene	100		100		40-140	0		50
1,2,4,5-Tetrachlorobenzene	91		93		40-117	2		50
Acetophenone	91		87		14-144	4		50
2,4,6-Trichlorophenol	127		130		30-130	2		50
P-Chloro-M-Cresol	**106**	Q	**108**	Q	26-103	2		50
2-Chlorophenol	101		97		25-102	4		50
2,4-Dichlorophenol	116		117		30-130	1		50
2,4-Dimethylphenol	106		101		30-130	5		50
2-Nitrophenol	116		111		30-130	4		50
4-Nitrophenol	96		99		11-114	3		50
2,4-Dinitrophenol	102		101		4-130	1		50
4,6-Dinitro-o-cresol	**132**	Q	**135**	Q	10-130	2		50
Pentachlorophenol	**115**	Q	**117**	Q	17-109	2		50
Phenol	89		88		26-90	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER

Project Number: 0123-005-102

Lab Number: L1214816

Report Date: 08/22/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG555608-2 WG555608-3								
2-Methylphenol	102		98		30-130.	4		50
3-Methylphenol/4-Methylphenol	104		100		30-130	4		50
2,4,5-Trichlorophenol	130		**132**	Q	30-130	2		50
Benzoic Acid	44		40			10		50
Benzyl Alcohol	86		88		40-140	2		50
Carbazole	90		95		54-128	5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	96		94		25-120
Phenol-d6	97		95		10-120
Nitrobenzene-d5	86		83		23-120
2-Fluorobiphenyl	108		109		30-120
2,4,6-Tribromophenol	118		122		0-136
4-Terphenyl-d14	103		106		18-120

INORGANICS
&
MISCELLANEOUS

Project Name: 348 LANGNER
Project Number: 0123-005-102

Lab Number: L1214816
Report Date: 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-01
Client ID: CANOPY NORTHWALL 1
Sample Location: 348 LANGNER
Matrix: Soil

Date Collected: 08/16/12 00:00
Date Received: 08/17/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80		%	0.10	NA	1	-	08/18/12 13:30	30,2540G	TA

Project Name: 348 LANGNER
Project Number: 0123-005-102

Lab Number: L1214816
Report Date: 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-02
Client ID: CANOPY NORTHWALL 2
Sample Location: 348 LANGNER
Matrix: Soil

Date Collected: 08/16/12 00:00
Date Received: 08/17/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79		%	0.10	NA	1	-	08/18/12 13:30	30,2540G	TA

Project Name: 348 LANGNER
Project Number: 0123-005-102

Lab Number: L1214816
Report Date: 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-03
Client ID: CANOPY NORTHWALL 3
Sample Location: 348 LANGNER
Matrix: Soil

Date Collected: 08/16/12 00:00
Date Received: 08/17/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76		%	0.10	NA	1	-	08/18/12 13:30	30,2540G	TA

Project Name: 348 LANGNER
Project Number: 0123-005-102

Lab Number: L1214816
Report Date: 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-04
Client ID: CANOPY BOTTOM 1
Sample Location: 348 LANGNER
Matrix: Soil

Date Collected: 08/16/12 00:00
Date Received: 08/17/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88		%	0.10	NA	1	-	08/18/12 13:30	30,2540G	TA

Project Name: 348 LANGNER
Project Number: 0123-005-102

Lab Number: L1214816
Report Date: 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-05
Client ID: CANOPY BOTTOM 2
Sample Location: 348 LANGNER
Matrix: Soil

Date Collected: 08/16/12 00:00
Date Received: 08/17/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85		%	0.10	NA	1	-	08/18/12 13:30	30,2540G	TA

Project Name: 348 LANGNER
Project Number: 0123-005-102

Lab Number: L1214816
Report Date: 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-06
Client ID: CANOPY SOUTHWALL 1
Sample Location: 348 LANGNER
Matrix: Soil

Date Collected: 08/16/12 00:00
Date Received: 08/17/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75		%	0.10	NA	1	-	08/18/12 13:30	30,2540G	TA

Project Name: 348 LANGNER
Project Number: 0123-005-102

Lab Number: L1214816
Report Date: 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-07
Client ID: CANOPY SOUTHWALL 2
Sample Location: 348 LANGNER
Matrix: Soil

Date Collected: 08/16/12 00:00
Date Received: 08/17/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81		%	0.10	NA	1	-	08/18/12 13:30	30,2540G	TA

Project Name: 348 LANGNER
Project Number: 0123-005-102

Lab Number: L1214816
Report Date: 08/22/12

SAMPLE RESULTS

Lab ID: L1214816-08
Client ID: CANOPY SOUTHWALL 3
Sample Location: 348 LANGNER
Matrix: Soil

Date Collected: 08/16/12 00:00
Date Received: 08/17/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92		%	0.10	NA	1	-	08/18/12 13:30	30,2540G	TA

Lab Duplicate Analysis
Batch Quality Control

Project Name: 348 LANGNER
Project Number: 0123-005-102

Lab Number: L1214816
Report Date: 08/22/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG555653-1 QC Sample: L1214830-01 Client ID: DUP Sample						
Solids, Total	96.	96	%	0		20

Project Name: 348 LANGNER
Project Number: 0123-005-102

Lab Number: L1214816
Report Date: 08/22/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1214816-01A	Amber 120ml unpreserved	A	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1214816-01B	Amber 120ml unpreserved	A	N/A	2.5	Y	Absent	NYTCL-8270(14),TS(7)
L1214816-02A	Amber 120ml unpreserved	A	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1214816-02B	Amber 120ml unpreserved	A	N/A	2.5	Y	Absent	NYTCL-8270(14),TS(7)
L1214816-03A	Amber 120ml unpreserved	A	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1214816-03B	Amber 120ml unpreserved	A	N/A	2.5	Y	Absent	NYTCL-8270(14),TS(7)
L1214816-04A	Amber 120ml unpreserved	A	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1214816-04B	Amber 120ml unpreserved	A	N/A	2.5	Y	Absent	NYTCL-8270(14),TS(7)
L1214816-05A	Amber 120ml unpreserved	A	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1214816-05B	Amber 120ml unpreserved	A	N/A	2.5	Y	Absent	NYTCL-8270(14),TS(7)
L1214816-06A	Amber 120ml unpreserved	A	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1214816-06B	Amber 120ml unpreserved	A	N/A	2.5	Y	Absent	NYTCL-8270(14),TS(7)
L1214816-07A	Amber 120ml unpreserved	A	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1214816-07B	Amber 120ml unpreserved	A	N/A	2.5	Y	Absent	NYTCL-8270(14),TS(7)
L1214816-08A	Amber 120ml unpreserved	A	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1214816-08B	Amber 120ml unpreserved	A	N/A	2.5	Y	Absent	NYTCL-8270(14),TS(7)

*Values in parentheses indicate holding time in days

Project Name:	348 LANGNER	**Lab Number:**	L1214816
Project Number:	0123-005-102	**Report Date:**	08/22/12

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER	**Lab Number:**	L1214816
Project Number:	0123-005-102	**Report Date:**	08/22/12

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers

Project Name: 348 LANGNER
Project Number: 0123-005-102
Lab Number: L1214816
Report Date: 08/22/12

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 16, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8082, 8330, 8151A, 8260B, 8270C, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9030B, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7

for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010B, 6010C, 6020, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9030B, 9040B, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082, 8082A, 8081A, 8081B, 8151A, 8330, 8270C-SIM, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 6010C, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050, 9065,1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082, 8082A, 8081A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, 2540G, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012A, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C, 3546, 3580, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7471A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 245.2, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 3501., 350.2, 353.2, 420.1, 6010B, 6010C, 6020, 6020A, 7196A, 7470A, 9010B, 9030B, 9040B, Lachat 10-107-06-2-D, NJ-EPH, 2120B, 2310B, 2320B, 2340B, 2510C, 2540B, 2540C, 3500Cr-D, 436C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330, 8015B,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010B, 6010C, 6020A, 7196A, 7471A, 7471B, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 2..08, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5035, 3540C, 3546, 3550, 3580, 3630C, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE____ OF ____

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 8/17/12

ALPHA Job #: L1214816

Client Information

Client: Turnkey
Address: 2558 Hamburg turnpike
Buffalo NY 14218
Phone: (716) 856-0599
Fax: (716) 856-0599
Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 348 Langner
Project Location: 0123-005-102
Project #: 348 Langner
Project Manager: Mike Lesakowski
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)
Date Due: 8/22/12 Time:
3 day

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
CAT-B	

Other Project Specific Requirements/Comments/Detection Limits:

CAT-B

ANALYSIS: TCL VOC, TCL SVOC

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC	TCL SVOC	Sample Specific Comments	TOTAL # BOTTLES
14816-1	Canopy Northwall 1	8-16-12		Soil	PWW	X	X		2
2	" Northwall 2	↓		↓	↓	X	X		2
3	" Northwall 3	↓		↓	↓	X	X		2
4	" Bottom 1	↓		↓	↓	X	X		2
5	" Bottom 2	↓		↓	↓	X	X		2
6	" Southwall 1	↓		↓	↓	X	X		2
7	" Southwall 2	↓		↓	↓	X	X		2
8	" Southwall 3	↓		↓	↓	X	X		2

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	8-17-12/1122	Jame Rubin	8-17-12/1122
Jame Rubin	8-17-12/1520	Kyle Cungram	8-17-12/1520
K Cungram	8/17/12 2048	[illegible]	8/17/12 2048

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

Serial_No:08221211:58

ANALYTICAL REPORT

Lab Number:	L1221049
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	348 LANGNER RD.
Project Number:	0123-005-104
Report Date:	11/27/12

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 348 LANGNER RD.
Project Number: 0123-005-104

Lab Number: L1221049
Report Date: 11/27/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1221049-01	SB-16 BOTTOM	348 LANGNER RD.	11/19/12 00:00

Project Name: 348 LANGNER RD.
Project Number: 0123-005-104

Lab Number: L1221049
Report Date: 11/27/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 348 LANGNER RD. **Lab Number:** L1221049
Project Number: 0123-005-104 **Report Date:** 11/27/12

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 11/27/12

ORGANICS

SEMIVOLATILES

Project Name: 348 LANGNER RD. **Lab Number:** L1221049

Project Number: 0123-005-104 **Report Date:** 11/27/12

SAMPLE RESULTS

Lab ID:	L1221049-01	Date Collected:	11/19/12 00:00
Client ID:	SB-16 BOTTOM	Date Received:	11/19/12
Sample Location:	348 LANGNER RD.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	11/20/12 02:43
Analytical Date:	11/21/12 03:52		
Analyst:	RC		
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	47.	1
2-Chloronaphthalene	ND		ug/kg	220	65.	1
Fluoranthene	1500		ug/kg	130	28.	1
Naphthalene	ND		ug/kg	220	69.	1
Benzo(a)anthracene	630		ug/kg	130	43.	1
Benzo(a)pyrene	760		ug/kg	170	52.	1
Benzo(b)fluoranthene	1000		ug/kg	130	38.	1
Benzo(k)fluoranthene	390		ug/kg	130	33.	1
Chrysene	780		ug/kg	130	34.	1
Acenaphthylene	60	J	ug/kg	170	56.	1
Anthracene	170		ug/kg	130	30.	1
Benzo(ghi)perylene	640		ug/kg	170	55.	1
Fluorene	45	J	ug/kg	220	40.	1
Phenanthrene	650		ug/kg	130	36.	1
Dibenzo(a,h)anthracene	140		ug/kg	130	40.	1
Indeno(1,2,3-cd)Pyrene	700		ug/kg	170	53.	1
Pyrene	1200		ug/kg	130	36.	1
2-Methylnaphthalene	ND		ug/kg	260	86.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	67		30-120
4-Terphenyl-d14	71		18-120

Project Name: 348 LANGNER RD.
Project Number: 0123-005-104

Lab Number: L1221049
Report Date: 11/27/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/20/12 14:12
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 11/20/12 02:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG574795-1					
Acenaphthene	ND		ug/kg	130	36.
1,2,4-Trichlorobenzene	ND		ug/kg	170	48.
Hexachlorobenzene	ND		ug/kg	100	26.
Bis(2-chloroethyl)ether	ND		ug/kg	150	32.
2-Chloronaphthalene	ND		ug/kg	170	50.
1,2-Dichlorobenzene	ND		ug/kg	170	49.
1,3-Dichlorobenzene	ND		ug/kg	170	51.
1,4-Dichlorobenzene	ND		ug/kg	170	47.
3,3'-Dichlorobenzidine	ND		ug/kg	170	60.
2,4-Dinitrotoluene	ND		ug/kg	170	50.
2,6-Dinitrotoluene	ND		ug/kg	170	55.
Fluoranthene	ND		ug/kg	100	22.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	29.
4-Bromophenyl phenyl ether	ND		ug/kg	170	34.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	47.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	42.
Hexachlorobutadiene	ND		ug/kg	170	44.
Hexachlorocyclopentadiene	ND		ug/kg	480	130
Hexachloroethane	ND		ug/kg	130	24.
Isophorone	ND		ug/kg	150	40.
Naphthalene	ND		ug/kg	170	53.
Nitrobenzene	ND		ug/kg	150	48.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	42.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	46.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	34.
Butyl benzyl phthalate	ND		ug/kg	170	47.
Di-n-butylphthalate	ND		ug/kg	170	28.
Di-n-octylphthalate	ND		ug/kg	170	45.
Diethyl phthalate	ND		ug/kg	170	29.
Dimethyl phthalate	ND		ug/kg	170	27.
Benzo(a)anthracene	ND		ug/kg	100	33.

Project Name: 348 LANGNER RD.
Project Number: 0123-005-104

Lab Number: L1221049
Report Date: 11/27/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/20/12 14:12
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 11/20/12 02:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG574795-1					
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	29.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	26.
Acenaphthylene	ND		ug/kg	130	43.
Anthracene	ND		ug/kg	100	23.
Benzo(ghi)perylene	ND		ug/kg	130	42.
Fluorene	ND		ug/kg	170	30.
Phenanthrene	ND		ug/kg	100	28.
Dibenzo(a,h)anthracene	ND		ug/kg	100	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	41.
Pyrene	ND		ug/kg	100	27.
Biphenyl	ND		ug/kg	380	120
4-Chloroaniline	ND		ug/kg	170	56.
2-Nitroaniline	ND		ug/kg	170	30.
3-Nitroaniline	ND		ug/kg	170	19.
4-Nitroaniline	ND		ug/kg	170	100
Dibenzofuran	ND		ug/kg	170	34.
2-Methylnaphthalene	ND		ug/kg	200	65.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	53.
Acetophenone	ND		ug/kg	170	53.
2,4,6-Trichlorophenol	ND		ug/kg	100	30.
P-Chloro-M-Cresol	ND		ug/kg	170	34.
2-Chlorophenol	ND		ug/kg	170	52.
2,4-Dichlorophenol	ND		ug/kg	150	48.
2,4-Dimethylphenol	ND		ug/kg	170	68.
2-Nitrophenol	ND		ug/kg	360	120
4-Nitrophenol	ND		ug/kg	230	71.
2,4-Dinitrophenol	ND		ug/kg	800	260
4,6-Dinitro-o-cresol	ND		ug/kg	430	160
Pentachlorophenol	ND		ug/kg	130	39.

Project Name: 348 LANGNER RD.
Project Number: 0123-005-104

Lab Number: L1221049
Report Date: 11/27/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/20/12 14:12
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 11/20/12 02:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG574795-1					
Phenol	ND		ug/kg	170	52.
2-Methylphenol	ND		ug/kg	170	41.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	72.
2,4,5-Trichlorophenol	ND		ug/kg	170	39.
Benzoic Acid	ND		ug/kg	540	140
Benzyl Alcohol	ND		ug/kg	170	38.
Carbazole	ND		ug/kg	170	27.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	81		0-136
4-Terphenyl-d14	77		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD.

Project Number: 0123-005-104

Lab Number: L1221049

Report Date: 11/27/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG574795-2 WG574795-3								
Acenaphthene	74		79		31-137	7		50
1,2,4-Trichlorobenzene	66		74		38-107	11		50
Hexachlorobenzene	80		83		40-140	4		50
Bis(2-chloroethyl)ether	70		80		40-140	13		50
2-Chloronaphthalene	77		85		40-140	10		50
1,2-Dichlorobenzene	67		77		40-140	14		50
1,3-Dichlorobenzene	66		77		40-140	15		50
1,4-Dichlorobenzene	65		76		28-104	16		50
3,3'-Dichlorobenzidine	55		59		40-140	7		50
2,4-Dinitrotoluene	**95**	Q	**100**	Q	28-89	5		50
2,6-Dinitrotoluene	94		100		40-140	6		50
Fluoranthene	86		91		40-140	6		50
4-Chlorophenyl phenyl ether	82		85		40-140	4		50
4-Bromophenyl phenyl ether	86		89		40-140	3		50
Bis(2-chloroisopropyl)ether	73		84		40-140	14		50
Bis(2-chloroethoxy)methane	77		87		40-117	12		50
Hexachlorobutadiene	64		73		40-140	13		50
Hexachlorocyclopentadiene	58		66		40-140	13		50
Hexachloroethane	66		77		40-140	15		50
Isophorone	82		92		40-140	11		50
Naphthalene	69		78		40-140	12		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD.

Project Number: 0123-005-104

Lab Number: L1221049

Report Date: 11/27/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG574795-2 WG574795-3								
Nitrobenzene	72		81		40-140	12		50
NitrosoDiPhenylAmine(NDPA)/DPA	89		94			5		50
n-Nitrosodi-n-propylamine	77		87		32-121	12		50
Bis(2-Ethylhexyl)phthalate	102		108		40-140	6		50
Butyl benzyl phthalate	92		99		40-140	7		50
Di-n-butylphthalate	95		100		40-140	5		50
Di-n-octylphthalate	99		104		40-140	5		50
Diethyl phthalate	90		93		40-140	3		50
Dimethyl phthalate	85		89		40-140	5		50
Benzo(a)anthracene	88		92		40-140	4		50
Benzo(a)pyrene	92		99		40-140	7		50
Benzo(b)fluoranthene	86		99		40-140	14		50
Benzo(k)fluoranthene	84		86		40-140	2		50
Chrysene	82		85		40-140	4		50
Acenaphthylene	84		90		40-140	7		50
Anthracene	88		92		40-140	4		50
Benzo(ghi)perylene	81		87		40-140	7		50
Fluorene	83		88		40-140	6		50
Phenanthrene	81		85		40-140	5		50
Dibenzo(a,h)anthracene	83		88		40-140	6		50
Indeno(1,2,3-cd)Pyrene	84		90		40-140	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD.

Project Number: 0123-005-104

Lab Number: L1221049

Report Date: 11/27/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG574795-2 WG574795-3								
Pyrene	85		90		35-142	6		50
Biphenyl	75		81			8		50
4-Chloroaniline	**32**	Q	**36**	Q	40-140	12		50
2-Nitroaniline	102		108		47-134	6		50
3-Nitroaniline	59		63		26-129	7		50
4-Nitroaniline	95		102		41-125	7		50
Dibenzofuran	77		82		40-140	6		50
2-Methylnaphthalene	74		83		40-140	11		50
1,2,4,5-Tetrachlorobenzene	69		76		40-117	10		50
Acetophenone	80		91		14-144	13		50
2,4,6-Trichlorophenol	88		95		30-130	8		50
P-Chloro-M-Cresol	99		**105**	Q	26-103	6		50
2-Chlorophenol	79		90		25-102	13		50
2,4-Dichlorophenol	86		93		30-130	8		50
2,4-Dimethylphenol	89		97		30-130	9		50
2-Nitrophenol	81		92		30-130	13		50
4-Nitrophenol	**121**	Q	**127**	Q	11-114	5		50
2,4-Dinitrophenol	29		35		4-130	19		50
4,6-Dinitro-o-cresol	64		73		10-130	13		50
Pentachlorophenol	82		91		17-109	10		50
Phenol	84		**93**	Q	26-90	10		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD.

Project Number: 0123-005-104

Lab Number: L1221049

Report Date: 11/27/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG574795-2 WG574795-3								
2-Methylphenol	85		95		30-130.	11		50
3-Methylphenol/4-Methylphenol	89		98		30-130	10		50
2,4,5-Trichlorophenol	95		102		30-130	7		50
Benzoic Acid	21		23			9		50
Benzyl Alcohol	78		88		40-140	12		50
Carbazole	88		94		54-128	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		92		25-120
Phenol-d6	87		98		10-120
Nitrobenzene-d5	77		87		23-120
2-Fluorobiphenyl	75		83		30-120
2,4,6-Tribromophenol	93		99		0-136
4-Terphenyl-d14	82		87		18-120

INORGANICS
&
MISCELLANEOUS

Project Name: 348 LANGNER RD.
Project Number: 0123-005-104

Lab Number: L1221049
Report Date: 11/27/12

SAMPLE RESULTS

Lab ID: L1221049-01
Client ID: SB-16 BOTTOM
Sample Location: 348 LANGNER RD.
Matrix: Soil

Date Collected: 11/19/12 00:00
Date Received: 11/19/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76		%	0.10	NA	1	-	11/20/12 16:24	30,2540G	SP

Lab Duplicate Analysis
Batch Quality Control

Project Name: 348 LANGNER RD.
Project Number: 0123-005-104

Lab Number: L1221049
Report Date: 11/27/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG575005-1 QC Sample: L1221030-01 Client ID: DUP Sample						
Solids, Total	88.	88	%	0		20

Project Name: 348 LANGNER RD.
Project Number: 0123-005-104

Lab Number: L1221049
Report Date: 11/27/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1221049-01A	Amber 120ml unpreserved	A	N/A	2.5	Y	Absent	NYTCL-8270(14),TS(7)

*Values in parentheses indicate holding time in days

Project Name:	348 LANGNER RD.	**Lab Number:**	L1221049
Project Number:	0123-005-104	**Report Date:**	11/27/12

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD.	**Lab Number:**	L1221049
Project Number:	0123-005-104	**Report Date:**	11/27/12

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name: 348 LANGNER RD.
Project Number: 0123-005-104
Lab Number: L1221049
Report Date: 11/27/12

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 16, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8082, 8330, 8151A, 8260B, 8270C, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9030B, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7

for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010B, 6010C, 6020, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9030B, 9040B, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082, 8082A, 8081A, 8081B, 8151A, 8330, 8270C-SIM, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 6010C, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050, 9065,1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082, 8082A, 8081A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, 2540G, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012A, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C, 3546, 3580, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7471A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 245.2, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 3501., 350.2, 353.2, 420.1, 6010B, 6010C, 6020, 6020A, 7196A, 7470A, 9010B, 9030B, 9040B, Lachat 10-107-06-2-D, NJ-EPH, 2120B, 2310B, 2320B, 2340B, 2510C, 2540B, 2540C, 3500Cr-D, 436C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330, 8015B,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010B, 6010C, 6020A, 7196A, 7471A, 7471B, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 2..08, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5035, 3540C, 3546, 3550, 3580, 3630C, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 11/19/12

ALPHA Job #: L1221049

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Serial_No:11271217:46

Client Information

Client: Turnkey

Address: 2558 Hamburg Turnpike Buffalo NY 14218

Phone: (716) 856-0599

Fax: (716) 856-0583

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 348 Langner Rd

Project Location: "

Project #: 0123-005-104

Project Manager: Mike Lesakowski

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 11/20/12 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PAHs

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PAHs	Sample Specific Comments	TOTAL # BOTTLES
21049.1	SB-16 Bottom	11/19/12		Soil	PWW	X		

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

	Container Type													
	Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
	11-19-12 15:00	James Ricken	11-19-12 1600
James Ricken	11-19-12 1940	Robert Haines	11-19-12 1940
Robert Haines	11/19/12 2345		11/19/12 2345

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

ANALYTICAL REPORT

Lab Number:	L1310735
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	348 LANGNER RD
Project Number:	0123-012-002 (003)
Report Date:	06/13/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 348 LANGNER RD
Project Number: 0123-012-002 (003)

Lab Number: L1310735
Report Date: 06/13/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1310735-01	PREWASH PAD BOTTOM 1	348 LANGNER RD	06/12/13 13:00
L1310735-02	PREWASH PAD BOTTOM 2	348 LANGNER RD	06/12/13 13:50
L1310735-03	PREWASH PAD BOTTOM 3	348 LANGNER RD	06/12/13 14:40
L1310735-04	PREWASH PAD NORTHWALL 1	348 LANGNER RD	06/12/13 14:10
L1310735-05	PREWASH PAD NORTHWALL 2	348 LANGNER RD	06/12/13 15:00
L1310735-06	PREWASH PAD EASTWALL 1	348 LANGNER RD	06/12/13 14:15
L1310735-07	PREWASH PAD SOUTHWALL 1	348 LANGNER RD	06/12/13 14:30
L1310735-08	PREWASH PAD SOUTHWALL 2	348 LANGNER RD	06/12/13 14:45

Project Name: 348 LANGNER RD
Project Number: 0123-012-002 (003)

Lab Number: L1310735
Report Date: 06/13/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	348 LANGNER RD	**Lab Number:**	L1310735
Project Number:	0123-012-002 (003)	**Report Date:**	06/13/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

L1310735-07 and -08 have elevated detection limits due to the dilutions required by the elevated concentrations of non-target compounds in the samples.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 06/13/13

ORGANICS

VOLATILES

Project Name: 348 LANGNER RD
Lab Number: L1310735
Project Number: 0123-012-002 (003)
Report Date: 06/13/13

SAMPLE RESULTS

Lab ID: L1310735-01
Client ID: PREWASH PAD BOTTOM 1
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/13/13 08:38
Analyst: BN
Percent Solids: 90%

Date Collected: 06/12/13 13:00
Date Received: 06/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.20	1
Chloroform	ND		ug/kg	1.7	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.34	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.25	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
Bromoform	ND		ug/kg	4.4	0.46	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.19	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.5	0.87	1
Bromomethane	ND		ug/kg	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.16	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.27	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.12	1

Project Name: 348 LANGNER RD **Lab Number:** L1310735

Project Number: 0123-012-002 (003) **Report Date:** 06/13/13

SAMPLE RESULTS

Lab ID: L1310735-01 Date Collected: 06/12/13 13:00

Client ID: PREWASH PAD BOTTOM 1 Date Received: 06/12/13

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.2	0.36	1
o-Xylene	ND		ug/kg	2.2	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Styrene	ND		ug/kg	2.2	0.34	1
Dichlorodifluoromethane	ND		ug/kg	11	0.24	1
Acetone	ND		ug/kg	11	3.4	1
Carbon disulfide	ND		ug/kg	11	2.2	1
2-Butanone	ND		ug/kg	11	0.39	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
2-Hexanone	ND		ug/kg	11	0.21	1
Bromochloromethane	ND		ug/kg	5.5	0.22	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.20	1
n-Butylbenzene	ND		ug/kg	1.1	0.22	1
sec-Butylbenzene	ND		ug/kg	1.1	0.23	1
tert-Butylbenzene	ND		ug/kg	5.5	0.62	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.88	1
Isopropylbenzene	ND		ug/kg	1.1	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.21	1
Naphthalene	ND		ug/kg	5.5	0.85	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.88	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.64	1
Methyl Acetate	ND		ug/kg	22	0.85	1
Cyclohexane	ND		ug/kg	22	1.2	1
1,4-Dioxane	ND		ug/kg	110	19.	1
Freon-113	ND		ug/kg	22	0.30	1
Methyl cyclohexane	ND		ug/kg	4.4	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: 348 LANGNER RD
Lab Number: L1310735
Project Number: 0123-012-002 (003)
Report Date: 06/13/13

SAMPLE RESULTS

Lab ID: L1310735-02
Client ID: PREWASH PAD BOTTOM 2
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/13/13 09:06
Analyst: BN
Percent Solids: 78%

Date Collected: 06/12/13 13:50
Date Received: 06/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.23	1
Chloroform	ND		ug/kg	1.9	0.47	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.5	0.29	1
Dibromochloromethane	ND		ug/kg	1.3	0.39	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.39	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.44	1
Trichlorofluoromethane	ND		ug/kg	6.4	0.16	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
Bromoform	ND		ug/kg	5.1	0.53	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.22	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	ND		ug/kg	1.9	0.14	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	6.4	1.0	1
Bromomethane	ND		ug/kg	2.6	0.43	1
Vinyl chloride	ND		ug/kg	2.6	0.18	1
Chloroethane	ND		ug/kg	2.6	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	ND		ug/kg	1.3	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.4	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	6.4	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	6.4	0.31	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.13	1

Project Name: 348 LANGNER RD **Lab Number:** L1310735

Project Number: 0123-012-002 (003) **Report Date:** 06/13/13

SAMPLE RESULTS

Lab ID: L1310735-02 Date Collected: 06/12/13 13:50

Client ID: PREWASH PAD BOTTOM 2 Date Received: 06/12/13

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.6	0.41	1
o-Xylene	ND		ug/kg	2.6	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
Styrene	ND		ug/kg	2.6	0.40	1
Dichlorodifluoromethane	ND		ug/kg	13	0.28	1
Acetone	49		ug/kg	13	4.0	1
Carbon disulfide	ND		ug/kg	13	2.6	1
2-Butanone	3.9	J	ug/kg	13	0.45	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.31	1
2-Hexanone	ND		ug/kg	13	0.24	1
Bromochloromethane	ND		ug/kg	6.4	0.25	1
1,2-Dibromoethane	ND		ug/kg	5.1	0.23	1
n-Butylbenzene	ND		ug/kg	1.3	0.25	1
sec-Butylbenzene	ND		ug/kg	1.3	0.26	1
tert-Butylbenzene	ND		ug/kg	6.4	0.72	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.4	1.0	1
Isopropylbenzene	ND		ug/kg	1.3	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.24	1
Naphthalene	ND		ug/kg	6.4	0.98	1
n-Propylbenzene	ND		ug/kg	1.3	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.4	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.4	1.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.4	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.4	0.73	1
Methyl Acetate	ND		ug/kg	26	0.98	1
Cyclohexane	ND		ug/kg	26	1.4	1
1,4-Dioxane	ND		ug/kg	130	22.	1
Freon-113	ND		ug/kg	26	0.35	1
Methyl cyclohexane	ND		ug/kg	5.1	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: 348 LANGNER RD
Lab Number: L1310735
Project Number: 0123-012-002 (003)
Report Date: 06/13/13

SAMPLE RESULTS

Lab ID: L1310735-03
Client ID: PREWASH PAD BOTTOM 3
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/13/13 09:34
Analyst: BN
Percent Solids: 89%

Date Collected: 06/12/13 14:40
Date Received: 06/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.20	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.35	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.14	1
1,2-Dichloroethane	0.83	J	ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
Bromoform	ND		ug/kg	4.5	0.47	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.19	1
Benzene	0.98	J	ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.6	0.88	1
Bromomethane	ND		ug/kg	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.16	1
Chloroethane	ND		ug/kg	2.2	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.27	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.12	1

Project Name: 348 LANGNER RD **Lab Number:** L1310735

Project Number: 0123-012-002 (003) **Report Date:** 06/13/13

SAMPLE RESULTS

Lab ID: L1310735-03 Date Collected: 06/12/13 14:40

Client ID: PREWASH PAD BOTTOM 3 Date Received: 06/12/13

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.2	0.36	1
o-Xylene	ND		ug/kg	2.2	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.17	1
Styrene	ND		ug/kg	2.2	0.35	1
Dichlorodifluoromethane	ND		ug/kg	11	0.24	1
Acetone	4.6	J	ug/kg	11	3.5	1
Carbon disulfide	ND		ug/kg	11	2.2	1
2-Butanone	ND		ug/kg	11	0.40	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
2-Hexanone	ND		ug/kg	11	0.21	1
Bromochloromethane	ND		ug/kg	5.6	0.22	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.20	1
n-Butylbenzene	ND		ug/kg	1.1	0.22	1
sec-Butylbenzene	ND		ug/kg	1.1	0.23	1
tert-Butylbenzene	ND		ug/kg	5.6	0.63	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.89	1
Isopropylbenzene	ND		ug/kg	1.1	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.22	1
Naphthalene	ND		ug/kg	5.6	0.86	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.89	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	0.64	1
Methyl Acetate	ND		ug/kg	22	0.86	1
Cyclohexane	ND		ug/kg	22	1.2	1
1,4-Dioxane	ND		ug/kg	110	20.	1
Freon-113	ND		ug/kg	22	0.31	1
Methyl cyclohexane	ND		ug/kg	4.5	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: 348 LANGNER RD
Lab Number: L1310735
Project Number: 0123-012-002 (003)
Report Date: 06/13/13

SAMPLE RESULTS

Lab ID: L1310735-04
Client ID: PREWASH PAD NORTHWALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/13/13 10:02
Analyst: BN
Percent Solids: 80%

Date Collected: 06/12/13 14:10
Date Received: 06/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.22	1
Chloroform	ND		ug/kg	1.9	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.18	1
Chlorobenzene	ND		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.2	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.16	1
Bromoform	ND		ug/kg	5.0	0.52	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.21	1
Benzene	ND		ug/kg	1.2	0.15	1
Toluene	ND		ug/kg	1.9	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.2	0.98	1
Bromomethane	ND		ug/kg	2.5	0.42	1
Vinyl chloride	ND		ug/kg	2.5	0.18	1
Chloroethane	ND		ug/kg	2.5	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.2	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	6.2	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	6.2	0.30	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.13	1

Project Name: 348 LANGNER RD **Lab Number:** L1310735

Project Number: 0123-012-002 (003) **Report Date:** 06/13/13

SAMPLE RESULTS

Lab ID: L1310735-04 Date Collected: 06/12/13 14:10

Client ID: PREWASH PAD NORTHWALL 1 Date Received: 06/12/13

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.5	0.40	1
o-Xylene	ND		ug/kg	2.5	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.19	1
Styrene	ND		ug/kg	2.5	0.39	1
Dichlorodifluoromethane	ND		ug/kg	12	0.27	1
Acetone	42		ug/kg	12	3.9	1
Carbon disulfide	ND		ug/kg	12	2.5	1
2-Butanone	3.3	J	ug/kg	12	0.44	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
2-Hexanone	ND		ug/kg	12	0.24	1
Bromochloromethane	ND		ug/kg	6.2	0.25	1
1,2-Dibromoethane	ND		ug/kg	5.0	0.22	1
n-Butylbenzene	ND		ug/kg	1.2	0.25	1
sec-Butylbenzene	ND		ug/kg	1.2	0.26	1
tert-Butylbenzene	ND		ug/kg	6.2	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	0.99	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.24	1
Naphthalene	ND		ug/kg	6.2	0.96	1
n-Propylbenzene	ND		ug/kg	1.2	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	0.99	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.2	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.2	0.72	1
Methyl Acetate	ND		ug/kg	25	0.95	1
Cyclohexane	ND		ug/kg	25	1.3	1
1,4-Dioxane	ND		ug/kg	120	22.	1
Freon-113	ND		ug/kg	25	0.34	1
Methyl cyclohexane	ND		ug/kg	5.0	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	102		70-130

Project Name: 348 LANGNER RD **Lab Number:** L1310735

Project Number: 0123-012-002 (003) **Report Date:** 06/13/13

SAMPLE RESULTS

Lab ID: L1310735-05
Client ID: PREWASH PAD NORTHWALL 2
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/13/13 08:40
Analyst: BN
Percent Solids: 77%

Date Collected: 06/12/13 15:00
Date Received: 06/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.23	1
Chloroform	ND		ug/kg	1.9	0.48	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.5	0.30	1
Dibromochloromethane	ND		ug/kg	1.3	0.40	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.39	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.45	1
Trichlorofluoromethane	ND		ug/kg	6.5	0.16	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.30	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
Bromoform	ND		ug/kg	5.2	0.54	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.22	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	ND		ug/kg	1.9	0.14	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	6.5	1.0	1
Bromomethane	ND		ug/kg	2.6	0.44	1
Vinyl chloride	ND		ug/kg	2.6	0.18	1
Chloroethane	ND		ug/kg	2.6	0.41	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	ND		ug/kg	1.3	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	6.5	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	6.5	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	6.5	0.31	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.13	1

Project Name: 348 LANGNER RD **Lab Number:** L1310735

Project Number: 0123-012-002 (003) **Report Date:** 06/13/13

SAMPLE RESULTS

Lab ID: L1310735-05 Date Collected: 06/12/13 15:00

Client ID: PREWASH PAD NORTHWALL 2 Date Received: 06/12/13

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.6	0.42	1
o-Xylene	ND		ug/kg	2.6	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
Styrene	ND		ug/kg	2.6	0.40	1
Dichlorodifluoromethane	ND		ug/kg	13	0.28	1
Acetone	4.0	J	ug/kg	13	4.0	1
Carbon disulfide	ND		ug/kg	13	2.6	1
2-Butanone	ND		ug/kg	13	0.46	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.32	1
2-Hexanone	ND		ug/kg	13	0.24	1
Bromochloromethane	ND		ug/kg	6.5	0.26	1
1,2-Dibromoethane	ND		ug/kg	5.2	0.23	1
n-Butylbenzene	ND		ug/kg	1.3	0.26	1
sec-Butylbenzene	ND		ug/kg	1.3	0.27	1
tert-Butylbenzene	ND		ug/kg	6.5	0.73	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.5	1.0	1
Isopropylbenzene	ND		ug/kg	1.3	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.25	1
Naphthalene	ND		ug/kg	6.5	1.0	1
n-Propylbenzene	ND		ug/kg	1.3	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.5	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.5	1.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.5	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.5	0.74	1
Methyl Acetate	ND		ug/kg	26	0.99	1
Cyclohexane	ND		ug/kg	26	1.4	1
1,4-Dioxane	ND		ug/kg	130	22.	1
Freon-113	ND		ug/kg	26	0.35	1
Methyl cyclohexane	ND		ug/kg	5.2	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	107		70-130

Project Name: 348 LANGNER RD
Lab Number: L1310735
Project Number: 0123-012-002 (003)
Report Date: 06/13/13

SAMPLE RESULTS

Lab ID: L1310735-06
Client ID: PREWASH PAD EASTWALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/13/13 09:08
Analyst: BN
Percent Solids: 77%

Date Collected: 06/12/13 14:15
Date Received: 06/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.23	1
Chloroform	ND		ug/kg	1.9	0.48	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.5	0.30	1
Dibromochloromethane	ND		ug/kg	1.3	0.40	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.39	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.45	1
Trichlorofluoromethane	ND		ug/kg	6.5	0.16	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.30	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
Bromoform	ND		ug/kg	5.2	0.54	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.22	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	ND		ug/kg	1.9	0.14	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	6.5	1.0	1
Bromomethane	ND		ug/kg	2.6	0.44	1
Vinyl chloride	ND		ug/kg	2.6	0.18	1
Chloroethane	ND		ug/kg	2.6	0.41	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	ND		ug/kg	1.3	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	6.5	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	6.5	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	6.5	0.31	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.14	1

Project Name: 348 LANGNER RD **Lab Number:** L1310735

Project Number: 0123-012-002 (003) **Report Date:** 06/13/13

SAMPLE RESULTS

Lab ID: L1310735-06 Date Collected: 06/12/13 14:15

Client ID: PREWASH PAD EASTWALL 1 Date Received: 06/12/13

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.6	0.42	1
o-Xylene	ND		ug/kg	2.6	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
Styrene	ND		ug/kg	2.6	0.40	1
Dichlorodifluoromethane	ND		ug/kg	13	0.28	1
Acetone	ND		ug/kg	13	4.0	1
Carbon disulfide	ND		ug/kg	13	2.6	1
2-Butanone	ND		ug/kg	13	0.46	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.32	1
2-Hexanone	ND		ug/kg	13	0.24	1
Bromochloromethane	ND		ug/kg	6.5	0.26	1
1,2-Dibromoethane	ND		ug/kg	5.2	0.23	1
n-Butylbenzene	ND		ug/kg	1.3	0.26	1
sec-Butylbenzene	ND		ug/kg	1.3	0.27	1
tert-Butylbenzene	ND		ug/kg	6.5	0.73	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.5	1.0	1
Isopropylbenzene	ND		ug/kg	1.3	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.25	1
Naphthalene	ND		ug/kg	6.5	1.0	1
n-Propylbenzene	ND		ug/kg	1.3	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.5	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.5	1.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.5	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.5	0.74	1
Methyl Acetate	ND		ug/kg	26	0.99	1
Cyclohexane	ND		ug/kg	26	1.4	1
1,4-Dioxane	ND		ug/kg	130	22.	1
Freon-113	ND		ug/kg	26	0.35	1
Methyl cyclohexane	ND		ug/kg	5.2	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	108		70-130

Project Name: 348 LANGNER RD **Lab Number:** L1310735

Project Number: 0123-012-002 (003) **Report Date:** 06/13/13

SAMPLE RESULTS

Lab ID: L1310735-07 D
Client ID: PREWASH PAD SOUTHWALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/13/13 09:36
Analyst: BN
Percent Solids: 76%

Date Collected: 06/12/13 14:30
Date Received: 06/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	660	130	50
1,1-Dichloroethane	ND		ug/kg	99	12.	50
Chloroform	ND		ug/kg	99	24.	50
Carbon tetrachloride	ND		ug/kg	66	14.	50
1,2-Dichloropropane	ND		ug/kg	230	15.	50
Dibromochloromethane	ND		ug/kg	66	20.	50
1,1,2-Trichloroethane	ND		ug/kg	99	20.	50
Tetrachloroethene	ND		ug/kg	66	9.3	50
Chlorobenzene	ND		ug/kg	66	23.	50
Trichlorofluoromethane	ND		ug/kg	330	8.0	50
1,2-Dichloroethane	ND		ug/kg	66	9.7	50
1,1,1-Trichloroethane	ND		ug/kg	66	7.3	50
Bromodichloromethane	ND		ug/kg	66	15.	50
trans-1,3-Dichloropropene	ND		ug/kg	66	8.0	50
cis-1,3-Dichloropropene	ND		ug/kg	66	8.4	50
Bromoform	ND		ug/kg	260	27.	50
1,1,2,2-Tetrachloroethane	ND		ug/kg	66	11.	50
Benzene	ND		ug/kg	66	7.8	50
Toluene	ND		ug/kg	99	7.4	50
Ethylbenzene	ND		ug/kg	66	9.7	50
Chloromethane	ND		ug/kg	330	52.	50
Bromomethane	ND		ug/kg	130	22.	50
Vinyl chloride	ND		ug/kg	130	9.3	50
Chloroethane	ND		ug/kg	130	21.	50
1,1-Dichloroethene	ND		ug/kg	66	14.	50
trans-1,2-Dichloroethene	ND		ug/kg	99	14.	50
Trichloroethene	ND		ug/kg	66	10.	50
1,2-Dichlorobenzene	ND		ug/kg	330	12.	50
1,3-Dichlorobenzene	ND		ug/kg	330	12.	50
1,4-Dichlorobenzene	ND		ug/kg	330	16.	50
Methyl tert butyl ether	ND		ug/kg	130	6.9	50

Project Name: 348 LANGNER RD **Lab Number:** L1310735

Project Number: 0123-012-002 (003) **Report Date:** 06/13/13

SAMPLE RESULTS

Lab ID: L1310735-07 D Date Collected: 06/12/13 14:30

Client ID: PREWASH PAD SOUTHWALL 1 Date Received: 06/12/13

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	130	21.	50
o-Xylene	ND		ug/kg	130	18.	50
cis-1,2-Dichloroethene	ND		ug/kg	66	9.9	50
Styrene	ND		ug/kg	130	20.	50
Dichlorodifluoromethane	ND		ug/kg	660	14.	50
Acetone	ND		ug/kg	660	200	50
Carbon disulfide	ND		ug/kg	660	130	50
2-Butanone	ND		ug/kg	660	23.	50
4-Methyl-2-pentanone	ND		ug/kg	660	16.	50
2-Hexanone	ND		ug/kg	660	12.	50
Bromochloromethane	ND		ug/kg	330	13.	50
1,2-Dibromoethane	ND		ug/kg	260	12.	50
n-Butylbenzene	ND		ug/kg	66	13.	50
sec-Butylbenzene	290		ug/kg	66	14.	50
tert-Butylbenzene	ND		ug/kg	330	37.	50
1,2-Dibromo-3-chloropropane	ND		ug/kg	330	52.	50
Isopropylbenzene	ND		ug/kg	66	11.	50
p-Isopropyltoluene	ND		ug/kg	66	13.	50
Naphthalene	ND		ug/kg	330	51.	50
n-Propylbenzene	ND		ug/kg	66	8.3	50
1,2,3-Trichlorobenzene	ND		ug/kg	330	11.	50
1,2,4-Trichlorobenzene	ND		ug/kg	330	52.	50
1,3,5-Trimethylbenzene	ND		ug/kg	330	9.5	50
1,2,4-Trimethylbenzene	ND		ug/kg	330	38.	50
Methyl Acetate	ND		ug/kg	1300	50.	50
Cyclohexane	ND		ug/kg	1300	71.	50
1,4-Dioxane	ND		ug/kg	6600	1200	50
Freon-113	ND		ug/kg	1300	18.	50
Methyl cyclohexane	ND		ug/kg	260	83.	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	122		70-130
Dibromofluoromethane	102		70-130

Project Name: 348 LANGNER RD **Lab Number:** L1310735

Project Number: 0123-012-002 (003) **Report Date:** 06/13/13

SAMPLE RESULTS

Lab ID: L1310735-08 D
Client ID: PREWASH PAD SOUTHWALL 2
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/13/13 10:55
Analyst: BN
Percent Solids: 80%

Date Collected: 06/12/13 14:45
Date Received: 06/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	62	12.	5
1,1-Dichloroethane	ND		ug/kg	9.3	1.1	5
Chloroform	ND		ug/kg	9.3	2.3	5
Carbon tetrachloride	ND		ug/kg	6.2	1.3	5
1,2-Dichloropropane	ND		ug/kg	22	1.4	5
Dibromochloromethane	ND		ug/kg	6.2	1.9	5
1,1,2-Trichloroethane	ND		ug/kg	9.3	1.9	5
Tetrachloroethene	ND		ug/kg	6.2	0.87	5
Chlorobenzene	ND		ug/kg	6.2	2.2	5
Trichlorofluoromethane	ND		ug/kg	31	0.76	5
1,2-Dichloroethane	ND		ug/kg	6.2	0.91	5
1,1,1-Trichloroethane	ND		ug/kg	6.2	0.69	5
Bromodichloromethane	ND		ug/kg	6.2	1.4	5
trans-1,3-Dichloropropene	ND		ug/kg	6.2	0.75	5
cis-1,3-Dichloropropene	ND		ug/kg	6.2	0.79	5
Bromoform	ND		ug/kg	25	2.6	5
1,1,2,2-Tetrachloroethane	ND		ug/kg	6.2	1.1	5
Benzene	ND		ug/kg	6.2	0.73	5
Toluene	ND		ug/kg	9.3	0.70	5
Ethylbenzene	ND		ug/kg	6.2	0.92	5
Chloromethane	ND		ug/kg	31	4.9	5
Bromomethane	ND		ug/kg	12	2.1	5
Vinyl chloride	ND		ug/kg	12	0.88	5
Chloroethane	ND		ug/kg	12	2.0	5
1,1-Dichloroethene	ND		ug/kg	6.2	1.3	5
trans-1,2-Dichloroethene	ND		ug/kg	9.3	1.3	5
Trichloroethene	ND		ug/kg	6.2	0.95	5
1,2-Dichlorobenzene	7.0	J	ug/kg	31	1.1	5
1,3-Dichlorobenzene	ND		ug/kg	31	1.1	5
1,4-Dichlorobenzene	ND		ug/kg	31	1.5	5
Methyl tert butyl ether	ND		ug/kg	12	0.65	5

Project Name: 348 LANGNER RD **Lab Number:** L1310735

Project Number: 0123-012-002 (003) **Report Date:** 06/13/13

SAMPLE RESULTS

Lab ID: L1310735-08 D Date Collected: 06/12/13 14:45

Client ID: PREWASH PAD SOUTHWALL 2 Date Received: 06/12/13

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	12	2.0	5
o-Xylene	ND		ug/kg	12	1.7	5
cis-1,2-Dichloroethene	ND		ug/kg	6.2	0.93	5
Styrene	ND		ug/kg	12	1.9	5
Dichlorodifluoromethane	ND		ug/kg	62	1.4	5
Acetone	35	J	ug/kg	62	19.	5
Carbon disulfide	ND		ug/kg	62	12.	5
2-Butanone	ND		ug/kg	62	2.2	5
4-Methyl-2-pentanone	ND		ug/kg	62	1.5	5
2-Hexanone	ND		ug/kg	62	1.2	5
Bromochloromethane	ND		ug/kg	31	1.2	5
1,2-Dibromoethane	ND		ug/kg	25	1.1	5
n-Butylbenzene	11		ug/kg	6.2	1.2	5
sec-Butylbenzene	25		ug/kg	6.2	1.3	5
tert-Butylbenzene	ND		ug/kg	31	3.5	5
1,2-Dibromo-3-chloropropane	ND		ug/kg	31	4.9	5
Isopropylbenzene	16		ug/kg	6.2	1.0	5
p-Isopropyltoluene	ND		ug/kg	6.2	1.2	5
Naphthalene	ND		ug/kg	31	4.8	5
n-Propylbenzene	24		ug/kg	6.2	0.78	5
1,2,3-Trichlorobenzene	ND		ug/kg	31	1.0	5
1,2,4-Trichlorobenzene	ND		ug/kg	31	4.9	5
1,3,5-Trimethylbenzene	ND		ug/kg	31	0.89	5
1,2,4-Trimethylbenzene	ND		ug/kg	31	3.6	5
Methyl Acetate	ND		ug/kg	120	4.8	5
Cyclohexane	ND		ug/kg	120	6.7	5
1,4-Dioxane	ND		ug/kg	620	110	5
Freon-113	ND		ug/kg	120	1.7	5
Methyl cyclohexane	31		ug/kg	25	7.8	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	101		70-130

Project Name: 348 LANGNER RD
Project Number: 0123-012-002 (003)

Lab Number: L1310735
Report Date: 06/13/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/13/13 08:10
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG614756-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10

Project Name: 348 LANGNER RD
Project Number: 0123-012-002 (003)

Lab Number: L1310735
Report Date: 06/13/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/13/13 08:10
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG614756-3					
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Project Name: 348 LANGNER RD
Project Number: 0123-012-002 (003)

Lab Number: L1310735
Report Date: 06/13/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/13/13 08:10
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG614756-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	99		70-130

Project Name: 348 LANGNER RD
Project Number: 0123-012-002 (003)

Lab Number: L1310735
Report Date: 06/13/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/13/13 08:12
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-08 Batch: WG614758-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10

Project Name: 348 LANGNER RD
Project Number: 0123-012-002 (003)

Lab Number: L1310735
Report Date: 06/13/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/13/13 08:12
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-08 Batch: WG614758-3					
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Project Name: 348 LANGNER RD
Project Number: 0123-012-002 (003)

Lab Number: L1310735
Report Date: 06/13/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/13/13 08:12
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-08 Batch: WG614758-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-012-002 (003)

Lab Number: L1310735

Report Date: 06/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG614756-1 WG614756-2								
Methylene chloride	97		92		70-130	5		30
1,1-Dichloroethane	97		92		70-130	5		30
Chloroform	96		90		70-130	6		30
Carbon tetrachloride	91		83		70-130	9		30
1,2-Dichloropropane	98		93		70-130	5		30
Dibromochloromethane	91		90		70-130	1		30
2-Chloroethylvinyl ether	64		63			2		30
1,1,2-Trichloroethane	93		92		70-130	1		30
Tetrachloroethene	85		80		70-130	6		30
Chlorobenzene	89		86		70-130	3		30
Trichlorofluoromethane	95		85		70-139	11		30
1,2-Dichloroethane	100		97		70-130	3		30
1,1,1-Trichloroethane	92		85		70-130	8		30
Bromodichloromethane	96		92		70-130	4		30
trans-1,3-Dichloropropene	95		94		70-130	1		30
cis-1,3-Dichloropropene	98		94		70-130	4		30
1,1-Dichloropropene	91		85		70-130	7		30
Bromoform	91		90		70-130	1		30
1,1,2,2-Tetrachloroethane	91		90		70-130	1		30
Benzene	95		89		70-130	7		30
Toluene	89		85		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-012-002 (003)

Lab Number: L1310735

Report Date: 06/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG614756-1 WG614756-2								
Ethylbenzene	89		85		70-130	5		30
Chloromethane	106		95		52-130	11		30
Bromomethane	105		97		57-147	8		30
Vinyl chloride	99		89		67-130	11		30
Chloroethane	105		96		50-151	9		30
1,1-Dichloroethene	91		82		65-135	10		30
trans-1,2-Dichloroethene	93		85		70-130	9		30
Trichloroethene	93		87		70-130	7		30
1,2-Dichlorobenzene	88		86		70-130	2		30
1,3-Dichlorobenzene	88		84		70-130	5		30
1,4-Dichlorobenzene	87		84		70-130	4		30
Methyl tert butyl ether	98		96		66-130	2		30
p/m-Xylene	91		86		70-130	6		30
o-Xylene	92		87		70-130	6		30
cis-1,2-Dichloroethene	96		90		70-130	6		30
Dibromomethane	97		95		70-130	2		30
Styrene	92		90		70-130	2		30
Dichlorodifluoromethane	108		98		30-146	10		30
Acetone	137		115		54-140	17		30
Carbon disulfide	94		86		59-130	9		30
2-Butanone	109		97		70-130	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-012-002 (003)

Lab Number: L1310735

Report Date: 06/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG614756-1 WG614756-2								
Vinyl acetate	104		103		70-130	1		30
4-Methyl-2-pentanone	96		95		70-130	1		30
1,2,3-Trichloropropane	89		92		68-130	3		30
2-Hexanone	96		92		70-130	4		30
Bromochloromethane	98		97		70-130	1		30
2,2-Dichloropropane	96		88		70-130	9		30
1,2-Dibromoethane	93		92		70-130	1		30
1,3-Dichloropropane	92		92		69-130	0		30
1,1,1,2-Tetrachloroethane	90		87		70-130	3		30
Bromobenzene	88		86		70-130	2		30
n-Butylbenzene	88		82		70-130	7		30
sec-Butylbenzene	87		81		70-130	7		30
tert-Butylbenzene	87		81		70-130	7		30
o-Chlorotoluene	88		83		70-130	6		30
p-Chlorotoluene	90		86		70-130	5		30
1,2-Dibromo-3-chloropropane	85		84		68-130	1		30
Hexachlorobutadiene	82		77		67-130	6		30
Isopropylbenzene	88		83		70-130	6		30
p-Isopropyltoluene	88		83		70-130	6		30
Naphthalene	88		88		70-130	0		30
Acrylonitrile	104		102		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-012-002 (003)

Lab Number: L1310735

Report Date: 06/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG614756-1 WG614756-2								
Isopropyl Ether	102		99		66-130	3		30
tert-Butyl Alcohol	95		96		70-130	1		30
n-Propylbenzene	89		83		70-130	7		30
1,2,3-Trichlorobenzene	88		87		70-130	1		30
1,2,4-Trichlorobenzene	88		86		70-130	2		30
1,3,5-Trimethylbenzene	89		85		70-130	5		30
1,2,4-Trimethylbenzene	91		86		70-130	6		30
Methyl Acetate	103		103		51-146	0		30
Ethyl Acetate	100		99		70-130	1		30
Acrolein	99		99		70-130	0		30
Cyclohexane	96		87		59-142	10		30
1,4-Dioxane	120		120		65-136	0		30
Freon-113	90		82		50-139	9		30
1,4-Diethylbenzene	89		84		70-130	6		30
4-Ethyltoluene	89		84		70-130	6		30
1,2,4,5-Tetramethylbenzene	90		87		70-130	3		30
Tetrahydrofuran	99		98		66-130	1		30
Ethyl ether	97		97		67-130	0		30
trans-1,4-Dichloro-2-butene	94		93		70-130	1		30
Methyl cyclohexane	91		82		70-130	10		30
Ethyl-Tert-Butyl-Ether	102		99		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-012-002 (003)

Lab Number: L1310735

Report Date: 06/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG614756-1 WG614756-2								
Tertiary-Amyl Methyl Ether	98		96		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		100		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	100		97		70-130

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-08 Batch: WG614758-1 WG614758-2								
Methylene chloride	106		104		70-130	2		30
1,1-Dichloroethane	117		110		70-130	6		30
Chloroform	114		109		70-130	4		30
Carbon tetrachloride	116		107		70-130	8		30
1,2-Dichloropropane	111		108		70-130	3		30
Dibromochloromethane	97		96		70-130	1		30
2-Chloroethylvinyl ether	111		108			3		30
1,1,2-Trichloroethane	95		95		70-130	0		30
Tetrachloroethene	106		99		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-012-002 (003)

Lab Number: L1310735

Report Date: 06/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-08 Batch: WG614758-1 WG614758-2								
Chlorobenzene	105		101		70-130	4		30
Trichlorofluoromethane	98		90		70-139	9		30
1,2-Dichloroethane	109		108		70-130	1		30
1,1,1-Trichloroethane	116		107		70-130	8		30
Bromodichloromethane	113		109		70-130	4		30
trans-1,3-Dichloropropene	101		101		70-130	0		30
cis-1,3-Dichloropropene	106		103		70-130	3		30
1,1-Dichloropropene	116		107		70-130	8		30
Bromoform	82		83		70-130	1		30
1,1,2,2-Tetrachloroethane	83		86		70-130	4		30
Benzene	112		106		70-130	6		30
Toluene	103		98		70-130	5		30
Ethylbenzene	107		101		70-130	6		30
Chloromethane	116		107		52-130	8		30
Bromomethane	101		92		57-147	9		30
Vinyl chloride	108		98		67-130	10		30
Chloroethane	93		86		50-151	8		30
1,1-Dichloroethene	116		107		65-135	8		30
trans-1,2-Dichloroethene	114		106		70-130	7		30
Trichloroethene	112		103		70-130	8		30
1,2-Dichlorobenzene	102		99		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-012-002 (003)

Lab Number: L1310735

Report Date: 06/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-08 Batch: WG614758-1 WG614758-2								
1,3-Dichlorobenzene	104		99		70-130	5		30
1,4-Dichlorobenzene	103		100		70-130	3		30
Methyl tert butyl ether	95		96		66-130	1		30
p/m-Xylene	109		102		70-130	7		30
o-Xylene	105		100		70-130	5		30
cis-1,2-Dichloroethene	109		104		70-130	5		30
Dibromomethane	104		103		70-130	1		30
Styrene	104		100		70-130	4		30
Dichlorodifluoromethane	131		115		30-146	13		30
Acetone	94		82		54-140	14		30
Carbon disulfide	114		104		59-130	9		30
2-Butanone	84		79		70-130	6		30
Vinyl acetate	93		93		70-130	0		30
4-Methyl-2-pentanone	72		77		70-130	7		30
1,2,3-Trichloropropane	82		84		68-130	2		30
2-Hexanone	71		71		70-130	0		30
Bromochloromethane	109		108		70-130	1		30
2,2-Dichloropropane	119		108		70-130	10		30
1,2-Dibromoethane	94		96		70-130	2		30
1,3-Dichloropropane	97		98		69-130	1		30
1,1,1,2-Tetrachloroethane	102		99		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-012-002 (003)

Lab Number: L1310735

Report Date: 06/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-08 Batch: WG614758-1 WG614758-2								
Bromobenzene	100		96		70-130	4		30
n-Butylbenzene	114		104		70-130	9		30
sec-Butylbenzene	110		102		70-130	8		30
tert-Butylbenzene	111		102		70-130	8		30
o-Chlorotoluene	114		108		70-130	5		30
p-Chlorotoluene	109		103		70-130	6		30
1,2-Dibromo-3-chloropropane	86		69		68-130	22		30
Hexachlorobutadiene	114		108		67-130	5		30
Isopropylbenzene	105		99		70-130	6		30
p-Isopropyltoluene	110		102		70-130	8		30
Naphthalene	76		78		70-130	3		30
Acrylonitrile	86		91		70-130	6		30
Isopropyl Ether	110		107		66-130	3		30
tert-Butyl Alcohol	**66**	Q	70		70-130	6		30
n-Propylbenzene	108		100		70-130	8		30
1,2,3-Trichlorobenzene	91		91		70-130	0		30
1,2,4-Trichlorobenzene	98		95		70-130	3		30
1,3,5-Trimethylbenzene	110		104		70-130	6		30
1,2,4-Trimethylbenzene	110		104		70-130	6		30
Methyl Acetate	89		92		51-146	3		30
Ethyl Acetate	83		88		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-012-002 (003)

Lab Number: L1310735

Report Date: 06/13/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-08 Batch: WG614758-1 WG614758-2								
Acrolein	76		79		70-130	4		30
Cyclohexane	115		104		59-142	10		30
1,4-Dioxane	88		88		65-136	0		30
Freon-113	114		105		50-139	8		30
1,4-Diethylbenzene	108		101		70-130	7		30
4-Ethyltoluene	107		101		70-130	6		30
1,2,4,5-Tetramethylbenzene	105		101		70-130	4		30
Tetrahydrofuran	98		103		66-130	5		30
Ethyl ether	88		88		67-130	0		30
trans-1,4-Dichloro-2-butene	81		85		70-130	5		30
Methyl cyclohexane	115		105		70-130	9		30
Ethyl-Tert-Butyl-Ether	105		104		70-130	1		30
Tertiary-Amyl Methyl Ether	99		99		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		99		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	103		105		70-130
Dibromofluoromethane	103		104		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: 348 LANGNER RD
Project Number: 0123-012-002 (003)

Lab Number: L1310735
Report Date: 06/13/13

SAMPLE RESULTS

Lab ID: L1310735-01
Client ID: PREWASH PAD BOTTOM 1
Sample Location: 348 LANGNER RD
Matrix: Soil

Date Collected: 06/12/13 13:00
Date Received: 06/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.1		%	0.100	NA	1	-	06/13/13 02:20	30,2540G	RD

Project Name: 348 LANGNER RD
Project Number: 0123-012-002 (003)

Lab Number: L1310735
Report Date: 06/13/13

SAMPLE RESULTS

Lab ID: L1310735-02
Client ID: PREWASH PAD BOTTOM 2
Sample Location: 348 LANGNER RD
Matrix: Soil

Date Collected: 06/12/13 13:50
Date Received: 06/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.2		%	0.100	NA	1	-	06/13/13 02:20	30,2540G	RD

Project Name: 348 LANGNER RD
Project Number: 0123-012-002 (003)

Lab Number: L1310735
Report Date: 06/13/13

SAMPLE RESULTS

Lab ID: L1310735-03
Client ID: PREWASH PAD BOTTOM 3
Sample Location: 348 LANGNER RD
Matrix: Soil

Date Collected: 06/12/13 14:40
Date Received: 06/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.9		%	0.100	NA	1	-	06/13/13 02:20	30,2540G	RD

Project Name: 348 LANGNER RD
Project Number: 0123-012-002 (003)

Lab Number: L1310735
Report Date: 06/13/13

SAMPLE RESULTS

Lab ID: L1310735-04
Client ID: PREWASH PAD NORTHWALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil

Date Collected: 06/12/13 14:10
Date Received: 06/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.0		%	0.100	NA	1	-	06/13/13 02:20	30,2540G	RD

Project Name: 348 LANGNER RD
Project Number: 0123-012-002 (003)

Lab Number: L1310735
Report Date: 06/13/13

SAMPLE RESULTS

Lab ID: L1310735-05
Client ID: PREWASH PAD NORTHWALL 2
Sample Location: 348 LANGNER RD
Matrix: Soil

Date Collected: 06/12/13 15:00
Date Received: 06/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.2		%	0.100	NA	1	-	06/13/13 02:20	30,2540G	RD

Project Name: 348 LANGNER RD
Project Number: 0123-012-002 (003)

Lab Number: L1310735
Report Date: 06/13/13

SAMPLE RESULTS

Lab ID: L1310735-06
Client ID: PREWASH PAD EASTWALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil

Date Collected: 06/12/13 14:15
Date Received: 06/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.1		%	0.100	NA	1	-	06/13/13 02:20	30,2540G	RD

Project Name: 348 LANGNER RD
Project Number: 0123-012-002 (003)

Lab Number: L1310735
Report Date: 06/13/13

SAMPLE RESULTS

Lab ID: L1310735-07
Client ID: PREWASH PAD SOUTHWALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil

Date Collected: 06/12/13 14:30
Date Received: 06/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.6		%	0.100	NA	1	-	06/13/13 02:20	30,2540G	RD

Project Name: 348 LANGNER RD
Project Number: 0123-012-002 (003)

Lab Number: L1310735
Report Date: 06/13/13

SAMPLE RESULTS

Lab ID: L1310735-08
Client ID: PREWASH PAD SOUTHWALL 2
Sample Location: 348 LANGNER RD
Matrix: Soil

Date Collected: 06/12/13 14:45
Date Received: 06/12/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.3		%	0.100	NA	1	-	06/13/13 02:20	30,2540G	RD

Lab Duplicate Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-012-002 (003

Lab Number: L1310735
Report Date: 06/13/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG614670-1 QC Sample: L1310652-01 Client ID: DUP Sample						
Solids, Total	78.3	79.7	%	2		20

Project Name: 348 LANGNER RD
Project Number: 0123-012-002 (003)

Lab Number: L1310735
Report Date: 06/13/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1310735-01A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1310735-01B	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7)
L1310735-02A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1310735-02B	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7)
L1310735-03A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1310735-03B	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7)
L1310735-04A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1310735-04B	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7)
L1310735-05A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1310735-05B	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7)
L1310735-06A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1310735-06B	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7)
L1310735-07A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1310735-07B	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7)
L1310735-08A	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	NYTCL-8260(14)
L1310735-08B	Amber 120ml unpreserved	A	N/A	2.2	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name:	348 LANGNER RD	**Lab Number:**	L1310735
Project Number:	0123-012-002 (003)	**Report Date:**	06/13/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD	**Lab Number:**	L1310735
Project Number:	0123-012-002 (003)	**Report Date:**	06/13/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD	**Lab Number:**	L1310735
Project Number:	0123-012-002 (003)	**Report Date:**	06/13/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 19, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 6010C, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8330, 8151A, 8260B, 8260C, 8270C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9030B, 9040B, 9045C, 6010B, 6010C, 6020, 6020A, 7471A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8270D, 8330, 8151A, 8081A, 8081B, 8082, 8082A, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertOT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012B, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C,

3546, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 355B0, 3580A, 3630C, 6020A, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C,

8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE _____ OF _____

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/13/13

ALPHA Job #: L1310735

Client Information

Client: Turnkey
Address: 2558 Hamburg Turnpike
Buffalo NY 14218
Phone: (716) 856-0599
Fax: (716) 856-0583
Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 348 Langner Rd
Project Location: 348 Langner Rd
Project #: 0123-012-002 (0028)
Project Manager: Mike Lesakowski
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)

Date Due: 6/13/13 1 Day Turn Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: TCL + STARS VOC	SAMPLE HANDLING	TOTAL # BOTTLES
10735-01	Prewash Pad Bottom 1	6-12-13	1300	Soil	PWW	X		2
-02	Prewash Pad Bottom 2		1350			X		2
-03	Prewash Pad Bottom 3		1440			X		2
-04	Prewash Pad Northwall 1		1410			X		2
-05	Prewash Pad Northwall 2		1500			X		2
-06	Prewash Pad Eastwall 1		1415			X		2
-07	Prewash Pad Southwall 1		1430			X		2
-08	Prewash Pad Southwall 2	↓	1445	↓	↓	X		2

SAMPLE HANDLING
Filtration _____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

Container Type																
Preservative																

Relinquished By:	Date/Time	Received By:	Date/Time
Paul W Wall	6-12-13 1600	James P. Rickert	6-12-13 1600
James P. Rickert	6-12-13 1900		6/12/13 1900
	6/12/13 2150		6/12/13 2150
	6/13/13 0045		6/13/13 0045

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1310936
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	348 LANGNER RD SITE
Project Number:	0123-012-002
Report Date:	06/21/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 348 LANGNER RD SITE
Project Number: 0123-012-002

Lab Number: L1310936
Report Date: 06/21/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1310936-01	PREWASH POD WESTWALL 1	348 LANGNER RD	06/14/13 13:30

Project Name: 348 LANGNER RD SITE
Project Number: 0123-012-002

Lab Number: L1310936
Report Date: 06/21/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1310936
Project Number:	0123-012-002	**Report Date:**	06/21/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 06/21/13

ORGANICS

VOLATILES

Project Name: 348 LANGNER RD SITE **Lab Number:** L1310936

Project Number: 0123-012-002 **Report Date:** 06/21/13

SAMPLE RESULTS

Lab ID: L1310936-01
Client ID: PREWASH POD WESTWALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/17/13 09:57
Analyst: BN
Percent Solids: 78%

Date Collected: 06/14/13 13:30
Date Received: 06/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	6.0	J	ug/kg	13	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.23	1
Chloroform	ND		ug/kg	1.9	0.48	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.5	0.29	1
Dibromochloromethane	ND		ug/kg	1.3	0.40	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.39	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.45	1
Trichlorofluoromethane	ND		ug/kg	6.4	0.16	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
Bromoform	ND		ug/kg	5.1	0.53	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.22	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	ND		ug/kg	1.9	0.14	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	6.4	1.0	1
Bromomethane	ND		ug/kg	2.6	0.44	1
Vinyl chloride	ND		ug/kg	2.6	0.18	1
Chloroethane	ND		ug/kg	2.6	0.41	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	ND		ug/kg	1.3	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	6.4	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	6.4	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	6.4	0.31	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.13	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1310936

Project Number: 0123-012-002 **Report Date:** 06/21/13

SAMPLE RESULTS

Lab ID: L1310936-01 Date Collected: 06/14/13 13:30

Client ID: PREWASH POD WESTWALL 1 Date Received: 06/14/13

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.6	0.42	1
o-Xylene	ND		ug/kg	2.6	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
Styrene	ND		ug/kg	2.6	0.40	1
Dichlorodifluoromethane	ND		ug/kg	13	0.28	1
Acetone	5.5	J	ug/kg	13	4.0	1
Carbon disulfide	ND		ug/kg	13	2.6	1
2-Butanone	ND		ug/kg	13	0.46	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.31	1
2-Hexanone	ND		ug/kg	13	0.24	1
Bromochloromethane	ND		ug/kg	6.4	0.25	1
1,2-Dibromoethane	ND		ug/kg	5.1	0.23	1
n-Butylbenzene	ND		ug/kg	1.3	0.25	1
sec-Butylbenzene	ND		ug/kg	1.3	0.26	1
tert-Butylbenzene	ND		ug/kg	6.4	0.72	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.4	1.0	1
Isopropylbenzene	ND		ug/kg	1.3	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.25	1
Naphthalene	ND		ug/kg	6.4	0.99	1
n-Propylbenzene	ND		ug/kg	1.3	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.4	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.4	1.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.4	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.4	0.74	1
Methyl Acetate	ND		ug/kg	26	0.98	1
Cyclohexane	ND		ug/kg	26	1.4	1
1,4-Dioxane	ND		ug/kg	130	22.	1
Freon-113	ND		ug/kg	26	0.35	1
Methyl cyclohexane	ND		ug/kg	5.1	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	108		70-130

Project Name: 348 LANGNER RD SITE
Project Number: 0123-012-002
Lab Number: L1310936
Report Date: 06/21/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/17/13 08:34
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG615637-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10

Project Name: 348 LANGNER RD SITE
Project Number: 0123-012-002
Lab Number: L1310936
Report Date: 06/21/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/17/13 08:34
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG615637-3					
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Project Name: 348 LANGNER RD SITE
Project Number: 0123-012-002

Lab Number: L1310936
Report Date: 06/21/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/17/13 08:34
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG615637-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-012-002

Lab Number: L1310936

Report Date: 06/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG615637-1 WG615637-2								
Methylene chloride	106		108		70-130	2		30
1,1-Dichloroethane	119		122		70-130	2		30
Chloroform	116		118		70-130	2		30
Carbon tetrachloride	118		121		70-130	3		30
1,2-Dichloropropane	114		117		70-130	3		30
Dibromochloromethane	96		98		70-130	2		30
2-Chloroethylvinyl ether	114		117			3		30
1,1,2-Trichloroethane	95		96		70-130	1		30
Tetrachloroethene	105		107		70-130	2		30
Chlorobenzene	103		104		70-130	1		30
Trichlorofluoromethane	101		102		70-139	1		30
1,2-Dichloroethane	112		114		70-130	2		30
1,1,1-Trichloroethane	118		119		70-130	1		30
Bromodichloromethane	114		116		70-130	2		30
trans-1,3-Dichloropropene	100		102		70-130	2		30
cis-1,3-Dichloropropene	105		108		70-130	3		30
1,1-Dichloropropene	117		119		70-130	2		30
Bromoform	81		81		70-130	0		30
1,1,2,2-Tetrachloroethane	82		84		70-130	2		30
Benzene	114		115		70-130	1		30
Toluene	101		103		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-012-002

Lab Number: L1310936

Report Date: 06/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG615637-1 WG615637-2								
Ethylbenzene	106		107		70-130	1		30
Chloromethane	120		123		52-130	2		30
Bromomethane	102		103		57-147	1		30
Vinyl chloride	112		113		67-130	1		30
Chloroethane	97		99		50-151	2		30
1,1-Dichloroethene	119		120		65-135	1		30
trans-1,2-Dichloroethene	115		117		70-130	2		30
Trichloroethene	112		113		70-130	1		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	100		102		70-130	2		30
1,4-Dichlorobenzene	99		101		70-130	2		30
Methyl tert butyl ether	96		98		66-130	2		30
p/m-Xylene	107		108		70-130	1		30
o-Xylene	102		104		70-130	2		30
cis-1,2-Dichloroethene	109		110		70-130	1		30
Dibromomethane	106		107		70-130	1		30
Styrene	102		104		70-130	2		30
Dichlorodifluoromethane	135		136		30-146	1		30
Acetone	103		86		54-140	18		30
Carbon disulfide	117		119		59-130	2		30
2-Butanone	90		81		70-130	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-012-002

Lab Number: L1310936

Report Date: 06/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG615637-1 WG615637-2								
Vinyl acetate	95		98		70-130	3		30
4-Methyl-2-pentanone	76		80		70-130	5		30
1,2,3-Trichloropropane	80		82		68-130	2		30
2-Hexanone	72		70		70-130	3		30
Bromochloromethane	108		110		70-130	2		30
2,2-Dichloropropane	121		123		70-130	2		30
1,2-Dibromoethane	93		93		70-130	0		30
1,3-Dichloropropane	96		98		69-130	2		30
1,1,1,2-Tetrachloroethane	101		102		70-130	1		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	109		111		70-130	2		30
sec-Butylbenzene	106		107		70-130	1		30
tert-Butylbenzene	104		106		70-130	2		30
o-Chlorotoluene	108		110		70-130	2		30
p-Chlorotoluene	103		105		70-130	2		30
1,2-Dibromo-3-chloropropane	68		**66**	Q	68-130	3		30
Hexachlorobutadiene	112		113		67-130	1		30
Isopropylbenzene	99		101		70-130	2		30
p-Isopropyltoluene	104		107		70-130	3		30
Naphthalene	74		76		70-130	3		30
Acrylonitrile	92		91		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-012-002

Lab Number: L1310936

Report Date: 06/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG615637-1 WG615637-2								
Isopropyl Ether	113		115		66-130	2		30
tert-Butyl Alcohol	70		71		70-130	1		30
n-Propylbenzene	102		104		70-130	2		30
1,2,3-Trichlorobenzene	87		91		70-130	4		30
1,2,4-Trichlorobenzene	94		97		70-130	3		30
1,3,5-Trimethylbenzene	104		107		70-130	3		30
1,2,4-Trimethylbenzene	104		107		70-130	3		30
Methyl Acetate	97		97		51-146	0		30
Ethyl Acetate	89		91		70-130	2		30
Acrolein	81		84		70-130	4		30
Cyclohexane	122		121		59-142	1		30
1,4-Dioxane	89		92		65-136	3		30
Freon-113	119		120		50-139	1		30
1,4-Diethylbenzene	103		106		70-130	3		30
4-Ethyltoluene	102		104		70-130	2		30
1,2,4,5-Tetramethylbenzene	99		102		70-130	3		30
Tetrahydrofuran	86		88		66-130	2		30
Ethyl ether	91		94		67-130	3		30
trans-1,4-Dichloro-2-butene	82		82		70-130	0		30
Methyl cyclohexane	118		118		70-130	0		30
Ethyl-Tert-Butyl-Ether	106		109		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-012-002

Lab Number: L1310936

Report Date: 06/21/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG615637-1 WG615637-2								
Tertiary-Amyl Methyl Ether	99		102		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		100		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	105		105		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: 348 LANGNER RD SITE
Project Number: 0123-012-002
Lab Number: L1310936
Report Date: 06/21/13

SAMPLE RESULTS

Lab ID: L1310936-01
Client ID: PREWASH POD WESTWALL 1
Sample Location: 348 LANGNER RD
Matrix: Soil
Date Collected: 06/14/13 13:30
Date Received: 06/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.7		%	0.100	NA	1	-	06/15/13 13:02	30,2540G	TA

Lab Duplicate Analysis
Batch Quality Control

Project Name: 348 LANGNER RD SITE
Project Number: 0123-012-002

Lab Number: L1310936
Report Date: 06/21/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG615263-1 QC Sample: L1310931-08 Client ID: DUP Sample						
Solids, Total	98.5	98.4	%	0		20

Project Name: 348 LANGNER RD SITE
Project Number: 0123-012-002

Lab Number: L1310936
Report Date: 06/21/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1310936-01A	Amber 120ml unpreserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1310936-01B	Amber 120ml unpreserved	A	N/A	2.6	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1310936
Project Number:	0123-012-002	**Report Date:**	06/21/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1310936
Project Number:	0123-012-002	**Report Date:**	06/21/13

Data Qualifiers

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1310936
Project Number:	0123-012-002	**Report Date:**	06/21/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised June 17, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm 9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether, Ethyl tert-butyl ether, Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE). **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, 1,3,5-Trimethylbenzene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. **EPA 8015C:** TPH. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE_____ OF _____

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/15/13

ALPHA Job #: L1360936

Client Information

Client: Turnkey

Address: 2558 Hamburg Turnpike
Buffalo NY 14218

Phone: (716)856-0599

Fax: (716)856-0583

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 348 Langner Rd Site

Project Location: 348 Langner Rd

Project #: 0123-012-002

Project Manager: Mike Lesakowski

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 6/21/13 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: TCL + STARS VOC

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments	TOTAL # BOTTLES
L0936[illegible]	Pressure Pad westwall 1	6-14-13	1330	Soil	PWW	X	2

Container Type	
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
	6-14-13 1520		6-14-13/1520
	6-14-13/1945		6-14-13/1945
	6-15-13 0040		6/15/13 0040

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

ANALYTICAL REPORT

Lab Number:	L1318160
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	348 LANGNER RD SITE
Project Number:	0123-005-104
Report Date:	09/24/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104

Lab Number: L1318160
Report Date: 09/24/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318160-01	MW-9	348 LANGNER RD	09/13/13 11:15
L1318160-02	MW-1R	348 LANGNER RD	09/13/13 12:00
L1318160-03	MW-3R	348 LANGNER RD	09/13/13 12:30
L1318160-04	MW-5R	348 LANGNER RD	09/13/13 13:00
L1318160-05	TRIP BLANK	348 LANGNER RD	09/13/13 00:00

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104

Lab Number: L1318160
Report Date: 09/24/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1318160
Project Number:	0123-005-104	**Report Date:**	09/24/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1318160-05: The Trip Blank has results for acetone present above the reporting limit. The sample vial was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

Pesticides

L1318160-01 has elevated detection limits due to the dilution required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 09/24/13

ORGANICS

VOLATILES

Project Name: 348 LANGNER RD SITE
Lab Number: L1318160
Project Number: 0123-005-104
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318160-01
Client ID: MW-9
Sample Location: 348 LANGNER RD
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/24/13 12:05
Analyst: PD

Date Collected: 09/13/13 11:15
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1318160

Project Number: 0123-005-104 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318160-01 Date Collected: 09/13/13 11:15

Client ID: MW-9 Date Received: 09/14/13

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.3	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	105		70-130

Project Name: 348 LANGNER RD SITE
Lab Number: L1318160
Project Number: 0123-005-104
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318160-02
Client ID: MW-1R
Sample Location: 348 LANGNER RD
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/24/13 12:32
Analyst: PD

Date Collected: 09/13/13 12:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1318160

Project Number: 0123-005-104 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318160-02 Date Collected: 09/13/13 12:00

Client ID: MW-1R Date Received: 09/14/13

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	27		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	4.1	J	ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	105		70-130

Project Name: 348 LANGNER RD SITE
Lab Number: L1318160
Project Number: 0123-005-104
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318160-03
Client ID: MW-3R
Sample Location: 348 LANGNER RD
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/24/13 13:19
Analyst: PD

Date Collected: 09/13/13 12:30
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	0.19	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	9.0		ug/l	2.5	0.70	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1318160

Project Number: 0123-005-104 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318160-03 Date Collected: 09/13/13 12:30

Client ID: MW-3R Date Received: 09/14/13

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	45		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	5.6		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	3.0		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	110		70-130

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104
Lab Number: L1318160
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318160-04
Client ID: MW-5R
Sample Location: 348 LANGNER RD
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/24/13 13:46
Analyst: PD

Date Collected: 09/13/13 13:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	72		ug/l	2.5	0.70	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1318160

Project Number: 0123-005-104 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318160-04 Date Collected: 09/13/13 13:00

Client ID: MW-5R Date Received: 09/14/13

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	22		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	2.2	J	ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	111		70-130

Project Name: 348 LANGNER RD SITE
Lab Number: L1318160
Project Number: 0123-005-104
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID: L1318160-05
Client ID: TRIP BLANK
Sample Location: 348 LANGNER RD
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/20/13 22:08
Analyst: PD

Date Collected: 09/13/13 00:00
Date Received: 09/14/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1

Project Name: 348 LANGNER RD SITE **Lab Number:** L1318160

Project Number: 0123-005-104 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID: L1318160-05 Date Collected: 09/13/13 00:00

Client ID: TRIP BLANK Date Received: 09/14/13

Sample Location: 348 LANGNER RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	6.9		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	107		70-130

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104
Lab Number: L1318160
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104
Lab Number: L1318160
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104
Lab Number: L1318160
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/20/13 12:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG638014-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104
Lab Number: L1318160
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 10:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG638603-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104
Lab Number: L1318160
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 10:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG638603-3					
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104
Lab Number: L1318160
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/24/13 10:42
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG638603-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104

Lab Number: L1318160
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Methylene chloride	108		108		70-130	0		20
1,1-Dichloroethane	115		117		70-130	2		20
Chloroform	114		117		70-130	3		20
2-Chloroethylvinyl ether	78		80		70-130	3		20
Carbon tetrachloride	118		125		63-132	6		20
1,2-Dichloropropane	114		115		70-130	1		20
Dibromochloromethane	111		114		63-130	3		20
1,1,2-Trichloroethane	110		112		70-130	2		20
Tetrachloroethene	112		116		70-130	4		20
Chlorobenzene	110		112		75-130	2		20
Trichlorofluoromethane	106		111		62-150	5		20
1,2-Dichloroethane	106		108		70-130	2		20
1,1,1-Trichloroethane	115		118		67-130	3		20
Bromodichloromethane	108		111		67-130	3		20
trans-1,3-Dichloropropene	111		113		70-130	2		20
cis-1,3-Dichloropropene	112		115		70-130	3		20
1,1-Dichloropropene	117		121		70-130	3		20
Bromoform	109		117		54-136	7		20
1,1,2,2-Tetrachloroethane	110		113		67-130	3		20
Benzene	117		121		70-130	3		20
Toluene	112		115		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104

Lab Number: L1318160
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Ethylbenzene	110		112		70-130	2		20
Chloromethane	89		87		64-130	2		20
Bromomethane	48		50		39-139	4		20
Vinyl chloride	98		102		55-140	4		20
Chloroethane	92		94		55-138	2		20
1,1-Dichloroethene	116		123		61-145	6		20
trans-1,2-Dichloroethene	119		122		70-130	2		20
Trichloroethene	115		118		70-130	3		20
1,2-Dichlorobenzene	109		110		70-130	1		20
1,3-Dichlorobenzene	111		113		70-130	2		20
1,4-Dichlorobenzene	107		109		70-130	2		20
Methyl tert butyl ether	119		120		63-130	1		20
p/m-Xylene	110		111		70-130	1		20
o-Xylene	108		110		70-130	2		20
cis-1,2-Dichloroethene	116		118		70-130	2		20
Dibromomethane	111		115		70-130	4		20
1,2,3-Trichloropropane	116		115		64-130	1		20
Acrylonitrile	122		125		70-130	2		20
Isopropyl Ether	114		116		70-130	2		20
Styrene	109		110		70-130	1		20
Dichlorodifluoromethane	86		86		36-147	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104

Lab Number: L1318160
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Acetone	143		133		58-148	7		20
Carbon disulfide	116		123		51-130	6		20
2-Butanone	127		124		63-138	2		20
Vinyl acetate	113		116		70-130	3		20
4-Methyl-2-pentanone	108		110		59-130	2		20
2-Hexanone	103		104		57-130	1		20
Bromochloromethane	121		124		70-130	2		20
2,2-Dichloropropane	116		124		63-133	7		20
1,2-Dibromoethane	108		110		70-130	2		20
1,3-Dichloropropane	110		112		70-130	2		20
1,1,1,2-Tetrachloroethane	112		114		64-130	2		20
Bromobenzene	104		110		70-130	6		20
n-Butylbenzene	105		107		53-136	2		20
sec-Butylbenzene	108		112		70-130	4		20
tert-Butylbenzene	106		110		70-130	4		20
o-Chlorotoluene	111		114		70-130	3		20
p-Chlorotoluene	106		110		70-130	4		20
1,2-Dibromo-3-chloropropane	102		100		41-144	2		20
Hexachlorobutadiene	107		108		63-130	1		20
Isopropylbenzene	105		110		70-130	5		20
p-Isopropyltoluene	109		113		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-104

Lab Number: L1318160

Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								
Naphthalene	106		105		70-130	1		20
n-Propylbenzene	104		110		69-130	6		20
1,2,3-Trichlorobenzene	104		102		70-130	2		20
1,2,4-Trichlorobenzene	106		104		70-130	2		20
1,3,5-Trimethylbenzene	108		111		64-130	3		20
1,2,4-Trimethylbenzene	104		108		70-130	4		20
Methyl Acetate	118		119		70-130	1		20
Ethyl Acetate	114		117		70-130	3		20
Cyclohexane	122		128		70-130	5		20
Ethyl-Tert-Butyl-Ether	115		115		70-130	0		20
Tertiary-Amyl Methyl Ether	113		114		66-130	1		20
1,4-Dioxane	160		152		56-162	5		20
Freon-113	124		129		70-130	4		20
1,4-Diethylbenzene	104		107		70-130	3		20
4-Ethyltoluene	106		110		70-130	4		20
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		20
Ethyl ether	118		120		59-134	2		20
trans-1,4-Dichloro-2-butene	82		84		70-130	2		20
Methyl cyclohexane	117		122		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-104

Lab Number: L1318160

Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG638014-1 WG638014-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104

Lab Number: L1318160
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG638603-1 WG638603-2								
Methylene chloride	101		100		70-130	1		20
1,1-Dichloroethane	116		112		70-130	4		20
Chloroform	114		112		70-130	2		20
2-Chloroethylvinyl ether	72		73		70-130	1		20
Carbon tetrachloride	120		116		63-132	3		20
1,2-Dichloropropane	110		111		70-130	1		20
Dibromochloromethane	110		110		63-130	0		20
1,1,2-Trichloroethane	110		109		70-130	1		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	112		110		75-130	2		20
Trichlorofluoromethane	110		104		62-150	6		20
1,2-Dichloroethane	103		102		70-130	1		20
1,1,1-Trichloroethane	114		112		67-130	2		20
Bromodichloromethane	107		107		67-130	0		20
trans-1,3-Dichloropropene	112		112		70-130	0		20
cis-1,3-Dichloropropene	108		108		70-130	0		20
1,1-Dichloropropene	114		112		70-130	2		20
Bromoform	108		108		54-136	0		20
1,1,2,2-Tetrachloroethane	106		108		67-130	2		20
Benzene	117		114		70-130	3		20
Toluene	116		114		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104

Lab Number: L1318160
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG638603-1 WG638603-2								
Ethylbenzene	114		110		70-130	4		20
Chloromethane	90		85		64-130	6		20
Bromomethane	43		42		39-139	2		20
Vinyl chloride	98		93		55-140	5		20
Chloroethane	93		88		55-138	6		20
1,1-Dichloroethene	118		113		61-145	4		20
trans-1,2-Dichloroethene	116		112		70-130	4		20
Trichloroethene	114		112		70-130	2		20
1,2-Dichlorobenzene	109		108		70-130	1		20
1,3-Dichlorobenzene	114		112		70-130	2		20
1,4-Dichlorobenzene	110		108		70-130	2		20
Methyl tert butyl ether	106		108		63-130	2		20
p/m-Xylene	114		111		70-130	3		20
o-Xylene	110		108		70-130	2		20
cis-1,2-Dichloroethene	112		112		70-130	0		20
Dibromomethane	106		107		70-130	1		20
1,2,3-Trichloropropane	110		114		64-130	4		20
Acrylonitrile	113		112		70-130	1		20
Isopropyl Ether	112		111		70-130	1		20
tert-Butyl Alcohol	124		123		70-130	1		20
Styrene	112		110		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104

Lab Number: L1318160
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG638603-1 WG638603-2								
Dichlorodifluoromethane	80		76		36-147	5		20
Acetone	132		123		58-148	7		20
Carbon disulfide	111		107		51-130	4		20
2-Butanone	138		133		63-138	4		20
Vinyl acetate	108		108		70-130	0		20
4-Methyl-2-pentanone	89		90		59-130	1		20
2-Hexanone	93		92		57-130	1		20
Bromochloromethane	118		116		70-130	2		20
2,2-Dichloropropane	124		121		63-133	2		20
1,2-Dibromoethane	104		105		70-130	1		20
1,3-Dichloropropane	107		108		70-130	1		20
1,1,1,2-Tetrachloroethane	113		113		64-130	0		20
Bromobenzene	106		106		70-130	0		20
n-Butylbenzene	110		107		53-136	3		20
sec-Butylbenzene	113		110		70-130	3		20
tert-Butylbenzene	110		109		70-130	1		20
o-Chlorotoluene	116		115		70-130	1		20
p-Chlorotoluene	111		109		70-130	2		20
1,2-Dibromo-3-chloropropane	101		98		41-144	3		20
Hexachlorobutadiene	107		104		63-130	3		20
Isopropylbenzene	108		108		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104

Lab Number: L1318160
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG638603-1 WG638603-2								
p-Isopropyltoluene	112		110		70-130	2		20
Naphthalene	95		94		70-130	1		20
n-Propylbenzene	111		108		69-130	3		20
1,2,3-Trichlorobenzene	97		95		70-130	2		20
1,2,4-Trichlorobenzene	101		98		70-130	3		20
1,3,5-Trimethylbenzene	113		110		64-130	3		20
1,2,4-Trimethylbenzene	109		106		70-130	3		20
Methyl Acetate	109		110		70-130	1		20
Ethyl Acetate	102		102		70-130	0		20
Cyclohexane	122		118		70-130	3		20
Ethyl-Tert-Butyl-Ether	106		107		70-130	1		20
Tertiary-Amyl Methyl Ether	101		103		66-130	2		20
1,4-Dioxane	134		137		56-162	2		20
Freon-113	126		119		70-130	6		20
1,4-Diethylbenzene	108		103		70-130	5		20
4-Ethyltoluene	111		110		70-130	1		20
1,2,4,5-Tetramethylbenzene	111		108		70-130	3		20
Ethyl ether	112		112		59-134	0		20
trans-1,4-Dichloro-2-butene	85		88		70-130	3		20
Methyl cyclohexane	117		112		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-104

Lab Number: L1318160

Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG638603-1 WG638603-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		92		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	102		101		70-130

PESTICIDES

Project Name: 348 LANGNER RD SITE
Lab Number: L1318160
Project Number: 0123-005-104
Report Date: 09/24/13

SAMPLE RESULTS

Lab ID:	L1318160-01	Date Collected:	09/13/13 11:15
Client ID:	MW-9	Date Received:	09/14/13
Sample Location:	348 LANGNER RD	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/17/13 06:44
Analytical Date:	09/18/13 19:02	Methylation Date:	09/18/13 03:41
Analyst:	SH		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	72		30-150	A
DCAA	62		30-150	B

Project Name: 348 LANGNER RD SITE **Lab Number:** L1318160

Project Number: 0123-005-104 **Report Date:** 09/24/13

SAMPLE RESULTS

Lab ID:	L1318160-01	D	Date Collected:	09/13/13 11:15
Client ID:	MW-9		Date Received:	09/14/13
Sample Location:	348 LANGNER RD		Field Prep:	Not Specified
Matrix:	Water		Extraction Method:	EPA 3510C
Analytical Method:	1,8081B		Extraction Date:	09/19/13 11:56
Analytical Date:	09/20/13 21:24		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.200	0.047	10	A
Lindane	ND		ug/l	0.200	0.043	10	A
Alpha-BHC	ND		ug/l	0.200	0.044	10	A
Beta-BHC	ND		ug/l	0.200	0.056	10	A
Heptachlor	ND		ug/l	0.200	0.031	10	A
Aldrin	ND		ug/l	0.200	0.022	10	A
Heptachlor epoxide	ND		ug/l	0.200	0.042	10	A
Endrin	ND		ug/l	0.400	0.043	10	A
Endrin ketone	ND		ug/l	0.400	0.048	10	A
Dieldrin	ND		ug/l	0.400	0.043	10	A
4,4'-DDE	ND		ug/l	0.400	0.038	10	A
4,4'-DDD	ND		ug/l	0.400	0.046	10	A
4,4'-DDT	ND		ug/l	0.400	0.043	10	A
Endosulfan I	ND		ug/l	0.200	0.035	10	A
Endosulfan II	ND		ug/l	0.400	0.052	10	A
Endosulfan sulfate	ND		ug/l	0.400	0.048	10	A
Methoxychlor	ND		ug/l	2.00	0.068	10	A
Toxaphene	ND		ug/l	2.00	0.630	10	A
cis-Chlordane	ND		ug/l	0.200	0.067	10	A
trans-Chlordane	ND		ug/l	0.200	0.063	10	A
Chlordane	ND		ug/l	2.00	0.463	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104

Lab Number: L1318160
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/18/13 18:02
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/17/13 06:44

Methylation Date: 09/18/13 03:41

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG636619-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.312	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	89		30-150	A
DCAA	66		30-150	B

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104

Lab Number: L1318160
Report Date: 09/24/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/20/13 08:52
Analyst: SH

Extraction Method: EPA 3510C
Extraction Date: 09/19/13 11:56
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/20/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG637742-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	101		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-104

Lab Number: L1318160

Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG636619-2 WG636619-3									
2,4-D	107		98		30-150	9		25	A
2,4,5-T	101		97		30-150	4		25	A
2,4,5-TP (Silvex)	101		98		30-150	3		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	106		96		30-150	A
DCAA	81		79		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104

Lab Number: L1318160
Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG637742-2 WG637742-3									
Delta-BHC	78		95		30-150	19		20	A
Lindane	69		84		30-150	20		20	A
Alpha-BHC	67		78		30-150	15		20	A
Beta-BHC	63		81		30-150	**24**	Q	20	A
Heptachlor	73		85		30-150	15		20	A
Aldrin	71		77		30-150	9		20	A
Heptachlor epoxide	74		88		30-150	17		20	A
Endrin	85		104		30-150	**21**	Q	20	A
Endrin ketone	79		98		30-150	**21**	Q	20	A
Dieldrin	78		95		30-150	19		20	A
4,4'-DDE	73		83		30-150	13		20	A
4,4'-DDD	78		87		30-150	12		20	A
4,4'-DDT	82		101		30-150	**21**	Q	20	A
Endosulfan I	76		91		30-150	17		20	A
Endosulfan II	82		107		30-150	**26**	Q	20	A
Endosulfan sulfate	85		105		30-150	**21**	Q	20	A
Methoxychlor	72		92		30-150	**24**	Q	20	A
cis-Chlordane	74		82		30-150	11		20	A
trans-Chlordane	73		87		30-150	18		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-104

Lab Number: L1318160

Report Date: 09/24/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG637742-2 WG637742-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		63		30-150	A
Decachlorobiphenyl	84		64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		50		30-150	B
Decachlorobiphenyl	95		106		30-150	B

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104

Lab Number: L1318160
Report Date: 09/24/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318160-01A	Vial HCl preserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1318160-01B	Vial HCl preserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1318160-01C	Vial HCl preserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1318160-01D	Amber 1000ml unpreserved	A	7	3.1	Y	Absent	HERB-APA(7)
L1318160-01E	Amber 1000ml unpreserved	A	7	3.1	Y	Absent	HERB-APA(7)
L1318160-01F	Amber 500ml unpreserved	A	7	3.1	Y	Absent	NYTCL-8081(7)
L1318160-01G	Amber 500ml unpreserved	A	7	3.1	Y	Absent	NYTCL-8081(7)
L1318160-02A	Vial HCl preserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1318160-02B	Vial HCl preserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1318160-02C	Vial HCl preserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1318160-03A	Vial HCl preserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1318160-03B	Vial HCl preserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1318160-03C	Vial HCl preserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1318160-04A	Vial HCl preserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1318160-04B	Vial HCl preserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1318160-04C	Vial HCl preserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1318160-05A	Vial HCl preserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1318160-05B	Vial HCl preserved	A	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1318160-05C	Vial HCl preserved	A	N/A	3.1	Y	Absent	-

*Values in parentheses indicate holding time in days

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1318160
Project Number:	0123-005-104	**Report Date:**	09/24/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1318160
Project Number:	0123-005-104	**Report Date:**	09/24/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1318160
Project Number:	0123-005-104	**Report Date:**	09/24/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE_____ OF _____

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 9/14/13

ALPHA Job #: L1318160

Client Information

Client: Turnkey
Address: 2558 Hamburg Turnpike
Buffalo NY 14218
Phone: (716) 856-0599
Fax: (716) 856-0583
Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 348 Longnes Rd Site
Project Location: 348 Longnes Rd
Project #: 0123-005-104
Project Manager: Mike Lesakowski
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 9/24/13 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: TCL+Stars VOC	Pest	Herb	SAMPLE HANDLING	Sample Specific Comments	TOTAL # BOTTLES
18160-1	MW-9	9/13/13	1115	GW	PWW	X	X	X			7
2	MW-1R		1200			X					3
3	MW-3R		1230			X					3
4	MW-5R		1300			X					3
5	Trip Blank		1200	GW	PWW	X					2

SAMPLE HANDLING
Filtration_____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type																
Preservative																

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	9-13-13 1340	John 2 Ruckus	9-13-13/1340
James 2. Ruckus	9-13-13/1700	[signature]	9/14/13 0940

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1318255
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	348 LANGNER RD SITE
Project Number:	0123-005-104
Report Date:	09/20/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104

Lab Number: L1318255
Report Date: 09/20/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1318255-01	MW-1R	348 LANGNER	09/16/13 08:40
L1318255-02	MW-3R	348 LANGNER	09/16/13 09:00
L1318255-03	MW-5R	348 LANGNER	09/16/13 09:30

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104

Lab Number: L1318255
Report Date: 09/20/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1318255
Project Number:	0123-005-104	**Report Date:**	09/20/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Pesticides

L1318255-03 has elevated detection limits due to the dilution required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 09/20/13

ORGANICS

PESTICIDES

Project Name: 348 LANGNER RD SITE
Lab Number: L1318255
Project Number: 0123-005-104
Report Date: 09/20/13

SAMPLE RESULTS

Lab ID:	L1318255-01	Date Collected:	09/16/13 08:40
Client ID:	MW-1R	Date Received:	09/16/13
Sample Location:	348 LANGNER	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	09/18/13 19:09
Analytical Date:	09/19/13 18:31	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.033	0.008	1	A
Lindane	ND		ug/l	0.033	0.007	1	A
Alpha-BHC	ND		ug/l	0.033	0.007	1	A
Beta-BHC	ND		ug/l	0.033	0.009	1	A
Heptachlor	ND		ug/l	0.033	0.005	1	A
Aldrin	ND		ug/l	0.033	0.004	1	A
Heptachlor epoxide	ND		ug/l	0.033	0.007	1	A
Endrin	ND		ug/l	0.067	0.007	1	A
Endrin ketone	ND		ug/l	0.067	0.008	1	A
Dieldrin	ND		ug/l	0.067	0.007	1	A
4,4'-DDE	ND		ug/l	0.067	0.006	1	A
4,4'-DDD	ND		ug/l	0.067	0.008	1	A
4,4'-DDT	ND		ug/l	0.067	0.007	1	A
Endosulfan I	ND		ug/l	0.033	0.006	1	A
Endosulfan II	ND		ug/l	0.067	0.009	1	A
Endosulfan sulfate	ND		ug/l	0.067	0.008	1	A
Methoxychlor	ND		ug/l	0.333	0.011	1	A
Toxaphene	ND		ug/l	0.333	0.105	1	A
cis-Chlordane	ND		ug/l	0.033	0.011	1	A
trans-Chlordane	ND		ug/l	0.033	0.010	1	A
Chlordane	ND		ug/l	0.333	0.077	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: 348 LANGNER RD SITE
Lab Number: L1318255
Project Number: 0123-005-104
Report Date: 09/20/13

SAMPLE RESULTS

Lab ID:	L1318255-01	Date Collected:	09/16/13 08:40
Client ID:	MW-1R	Date Received:	09/16/13
Sample Location:	348 LANGNER	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/18/13 00:04
Analytical Date:	09/18/13 16:42	Methylation Date:	09/18/13 13:26
Analyst:	SH		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.4	0.567	1	A
2,4,5-T	ND		ug/l	2.08	0.325	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.08	0.331	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	105		30-150	A
DCAA	100		30-150	B

Project Name: 348 LANGNER RD SITE
Lab Number: L1318255
Project Number: 0123-005-104
Report Date: 09/20/13

SAMPLE RESULTS

Lab ID:	L1318255-02	Date Collected:	09/16/13 09:00
Client ID:	MW-3R	Date Received:	09/16/13
Sample Location:	348 LANGNER	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	09/18/13 19:09
Analytical Date:	09/19/13 18:43	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	41		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: 348 LANGNER RD SITE
Lab Number: L1318255
Project Number: 0123-005-104
Report Date: 09/20/13

SAMPLE RESULTS

Lab ID:	L1318255-02	Date Collected:	09/16/13 09:00
Client ID:	MW-3R	Date Received:	09/16/13
Sample Location:	348 LANGNER	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/18/13 00:04
Analytical Date:	09/18/13 17:03	Methylation Date:	09/18/13 13:26
Analyst:	SH		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	11.2	0.611	1	A
2,4,5-T	ND		ug/l	2.25	0.350	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.25	0.357	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	93		30-150	A
DCAA	96		30-150	B

Project Name: 348 LANGNER RD SITE
Lab Number: L1318255
Project Number: 0123-005-104
Report Date: 09/20/13

SAMPLE RESULTS

Lab ID:	L1318255-03	Date Collected:	09/16/13 09:30
Client ID:	MW-5R	Date Received:	09/16/13
Sample Location:	348 LANGNER	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	09/18/13 00:04
Analytical Date:	09/18/13 17:22	Methylation Date:	09/18/13 13:26
Analyst:	SH		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.312	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	147		30-150	A
DCAA	**155**	Q	30-150	B

Project Name: 348 LANGNER RD SITE **Lab Number:** L1318255

Project Number: 0123-005-104 **Report Date:** 09/20/13

SAMPLE RESULTS

Lab ID:	L1318255-03	D	Date Collected:	09/16/13 09:30
Client ID:	MW-5R		Date Received:	09/16/13
Sample Location:	348 LANGNER		Field Prep:	Not Specified
Matrix:	Water		Extraction Method:	EPA 3510C
Analytical Method:	1,8081B		Extraction Date:	09/18/13 19:09
Analytical Date:	09/19/13 18:56		Cleanup Method1:	EPA 3620B
Analyst:	SH		Cleanup Date1:	09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.200	0.047	10	A
Lindane	ND		ug/l	0.200	0.043	10	A
Alpha-BHC	ND		ug/l	0.200	0.044	10	A
Beta-BHC	ND		ug/l	0.200	0.056	10	A
Heptachlor	ND		ug/l	0.200	0.031	10	A
Aldrin	ND		ug/l	0.200	0.022	10	A
Heptachlor epoxide	ND		ug/l	0.200	0.042	10	A
Endrin	ND		ug/l	0.400	0.043	10	A
Endrin ketone	ND		ug/l	0.400	0.048	10	A
Dieldrin	ND		ug/l	0.400	0.043	10	A
4,4'-DDE	ND		ug/l	0.400	0.038	10	A
4,4'-DDD	ND		ug/l	0.400	0.046	10	A
4,4'-DDT	ND		ug/l	0.400	0.043	10	A
Endosulfan I	ND		ug/l	0.200	0.035	10	A
Endosulfan II	ND		ug/l	0.400	0.052	10	A
Endosulfan sulfate	ND		ug/l	0.400	0.048	10	A
Methoxychlor	ND		ug/l	2.00	0.068	10	A
Toxaphene	ND		ug/l	2.00	0.630	10	A
cis-Chlordane	ND		ug/l	0.200	0.067	10	A
trans-Chlordane	ND		ug/l	0.200	0.063	10	A
Chlordane	ND		ug/l	2.00	0.463	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**153**	Q	30-150	A
Decachlorobiphenyl	138		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104

Lab Number: L1318255
Report Date: 09/20/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/18/13 15:43
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 09/18/13 00:04

Methylation Date: 09/18/13 13:26

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-03 Batch: WG636939-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.312	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.318	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	71		30-150	A
DCAA	51		30-150	B

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104
Lab Number: L1318255
Report Date: 09/20/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/19/13 19:59
Analyst: SH

Extraction Method: EPA 3510C
Extraction Date: 09/18/13 19:09
Cleanup Method1: EPA 3620B
Cleanup Date1: 09/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG637233-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	130		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-104

Lab Number: L1318255

Report Date: 09/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG636939-2 WG636939-3									
2,4-D	107		110		30-150	3		25	A
2,4,5-T	102		107		30-150	5		25	A
2,4,5-TP (Silvex)	108		114		30-150	5		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	106		110		30-150	A
DCAA	84		82		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104

Lab Number: L1318255
Report Date: 09/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG637233-2 WG637233-3									
Delta-BHC	86		97		30-150	12		20	A
Lindane	84		95		30-150	11		20	A
Alpha-BHC	82		91		30-150	11		20	A
Beta-BHC	83		94		30-150	12		20	A
Heptachlor	89		87		30-150	2		20	A
Aldrin	88		83		30-150	7		20	A
Heptachlor epoxide	78		85		30-150	9		20	A
Endrin	91		101		30-150	10		20	A
Endrin ketone	80		89		30-150	11		20	A
Dieldrin	81		90		30-150	10		20	A
4,4'-DDE	83		85		30-150	3		20	A
4,4'-DDD	84		92		30-150	9		20	A
4,4'-DDT	84		91		30-150	8		20	A
Endosulfan I	81		88		30-150	9		20	A
Endosulfan II	73		82		30-150	11		20	A
Endosulfan sulfate	77		87		30-150	12		20	A
Methoxychlor	82		90		30-150	9		20	A
cis-Chlordane	81		86		30-150	7		20	A
trans-Chlordane	81		85		30-150	5		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD SITE

Project Number: 0123-005-104

Lab Number: L1318255

Report Date: 09/20/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG637233-2 WG637233-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		78		30-150	A
Decachlorobiphenyl	107		119		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		68		30-150	B
Decachlorobiphenyl	140		147		30-150	B

Project Name: 348 LANGNER RD SITE
Project Number: 0123-005-104

Lab Number: L1318255
Report Date: 09/20/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1318255-01A	Amber 500ml unpreserved	A	7	4.2	Y	Absent	NYTCL-8081(7)
L1318255-01B	Amber 1000ml unpreserved	A	7	4.2	Y	Absent	HERB-APA(7)
L1318255-02A	Amber 500ml unpreserved	A	7	4.2	Y	Absent	NYTCL-8081(7)
L1318255-02B	Amber 1000ml unpreserved	A	7	4.2	Y	Absent	HERB-APA(7)
L1318255-03A	Amber 500ml unpreserved	A	7	4.2	Y	Absent	NYTCL-8081(7)
L1318255-03B	Amber 1000ml unpreserved	A	7	4.2	Y	Absent	HERB-APA(7)

*Values in parentheses indicate holding time in days

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1318255
Project Number:	0123-005-104	**Report Date:**	09/20/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1318255
Project Number:	0123-005-104	**Report Date:**	09/20/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD SITE	**Lab Number:**	L1318255
Project Number:	0123-005-104	**Report Date:**	09/20/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised August 29, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 3015, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330, 8082A, EPA 3510C, 5030B, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm

9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd In Lab: 9/17/13

ALPHA Job #: L1318255

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Turnkey
Address: 2558 Hamburg Turnpike Buffalo NY 14218
Phone: (716) 856-0599
Fax: (716) 856-0583
Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 348 Langner Rd Site
Project Location: 348 Langner
Project #: 0123-005-104
Project Manager: Mike Lesakowski
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 9/23/13 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: Pest	Herb										Sample Specific Comments	TOTAL # BOTTLES
18255. 1	MW-1R	9-16-13	840	GW	PWW	X	X										Low volume, only	2
2	MW-3R	↓	900	↓	↓	X	X										could collect 1	2
3	MW-5R	↓	930	↓	↓	X	X										bottle each for	2
																	Pest + Herb	

Container Type	
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	9-16-13, 10:30	James 2. Rickus	9-16-13 / 1130
James 2- Rickus	9-16-13 / 1615	[signature]	9/17/13 953

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1321660
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	348 LANGNER RD
Project Number:	0123-012-002-008
Report Date:	10/31/13

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1321660-01	TOPSOIL GRAB 1	348 LANGNER	10/25/13 15:30
L1321660-02	TOPSOIL GRAB 2	348 LANGNER	10/25/13 15:40
L1321660-03	TOPSOIL GRAB 3	348 LANGNER	10/25/13 15:45
L1321660-04	TOPSOIL COMP 1	348 LANGNER	10/25/13 15:50

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	348 LANGNER RD	**Lab Number:**	L1321660
Project Number:	0123-012-002-008	**Report Date:**	10/31/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L1321660-04: The client ID was specified by the client.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Total Metals

L1321660-04 has elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

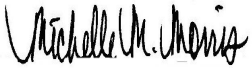
The WG647430-4 MS recoveries for aluminum, calcium, iron and manganese (all at 0%), performed on L1321660-04, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG647430-4 MS recoveries, performed on L1321660-04, are below the acceptance criteria for copper (69%), magnesium (0%) and zinc (41%). A post digestion spike was performed with unacceptable recoveries for copper (47%), magnesium (17%) and zinc (0%). This has been attributed to sample matrix.

The WG647430-4 MS recoveries, performed on L1321660-04, are below the acceptance criteria for potassium (63%) and sodium (38%). A post digestion spike was performed with acceptable recoveries for potassium (94%) and sodium (89%).

The WG647430-3 Laboratory Duplicate RPDs, performed on L1321660-04, are outside the acceptance criteria for arsenic (38%), barium (43%), beryllium (28%), cadmium (41%), calcium (41%), chromium (30%), cobalt (43%), copper (32%), nickel (35%), potassium (25%), vanadium (38%) and manganese (36%). The elevated RPDs have been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 10/31/13

ORGANICS

VOLATILES

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008
Lab Number: L1321660
Report Date: 10/31/13

SAMPLE RESULTS

Lab ID: L1321660-01
Client ID: TOPSOIL GRAB 1
Sample Location: 348 LANGNER
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/28/13 16:56
Analyst: JC
Percent Solids: 81%

Date Collected: 10/25/13 15:30
Date Received: 10/25/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	2.6	J	ug/kg	12	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.22	1
Chloroform	ND		ug/kg	1.8	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.2	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.16	1
Bromoform	ND		ug/kg	4.9	0.51	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.21	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.2	0.96	1
Bromomethane	ND		ug/kg	2.5	0.42	1
Vinyl chloride	ND		ug/kg	2.5	0.17	1
Chloroethane	ND		ug/kg	2.5	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.2	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.2	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.2	0.30	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.13	1

Project Name: 348 LANGNER RD **Lab Number:** L1321660

Project Number: 0123-012-002-008 **Report Date:** 10/31/13

SAMPLE RESULTS

Lab ID: L1321660-01 Date Collected: 10/25/13 15:30

Client ID: TOPSOIL GRAB 1 Date Received: 10/25/13

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	0.65	J	ug/kg	2.5	0.40	1
o-Xylene	ND		ug/kg	2.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Styrene	ND		ug/kg	2.5	0.38	1
Dichlorodifluoromethane	ND		ug/kg	12	0.27	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.5	1
2-Butanone	ND		ug/kg	12	0.44	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
2-Hexanone	ND		ug/kg	12	0.23	1
Bromochloromethane	ND		ug/kg	6.2	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.22	1
n-Butylbenzene	ND		ug/kg	1.2	0.24	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	6.2	0.69	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	0.97	1
Isopropylbenzene	ND		ug/kg	1.2	0.21	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.24	1
Naphthalene	ND		ug/kg	6.2	0.95	1
n-Propylbenzene	ND		ug/kg	1.2	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	0.97	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.2	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.2	0.70	1
Methyl Acetate	ND		ug/kg	25	0.94	1
Cyclohexane	ND		ug/kg	25	1.3	1
1,4-Dioxane	ND		ug/kg	120	21.	1
Freon-113	ND		ug/kg	25	0.34	1
Methyl cyclohexane	ND		ug/kg	4.9	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	114		70-130
4-Bromofluorobenzene	119		70-130
Dibromofluoromethane	107		70-130

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008
Lab Number: L1321660
Report Date: 10/31/13

SAMPLE RESULTS

Lab ID: L1321660-02
Client ID: TOPSOIL GRAB 2
Sample Location: 348 LANGNER
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/28/13 17:31
Analyst: JC
Percent Solids: 90%

Date Collected: 10/25/13 15:40
Date Received: 10/25/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.20	1
Chloroform	ND		ug/kg	1.7	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.34	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
Bromoform	ND		ug/kg	4.5	0.46	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.19	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.6	0.87	1
Bromomethane	ND		ug/kg	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.16	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.27	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.12	1

Project Name: 348 LANGNER RD **Lab Number:** L1321660

Project Number: 0123-012-002-008 **Report Date:** 10/31/13

SAMPLE RESULTS

Lab ID: L1321660-02 Date Collected: 10/25/13 15:40

Client ID: TOPSOIL GRAB 2 Date Received: 10/25/13

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.2	0.36	1
o-Xylene	ND		ug/kg	2.2	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.17	1
Styrene	ND		ug/kg	2.2	0.34	1
Dichlorodifluoromethane	ND		ug/kg	11	0.24	1
Acetone	ND		ug/kg	11	3.5	1
Carbon disulfide	ND		ug/kg	11	2.2	1
2-Butanone	ND		ug/kg	11	0.40	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
2-Hexanone	ND		ug/kg	11	0.21	1
Bromochloromethane	ND		ug/kg	5.6	0.22	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.20	1
n-Butylbenzene	ND		ug/kg	1.1	0.22	1
sec-Butylbenzene	ND		ug/kg	1.1	0.23	1
tert-Butylbenzene	ND		ug/kg	5.6	0.62	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.88	1
Isopropylbenzene	ND		ug/kg	1.1	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.21	1
Naphthalene	ND		ug/kg	5.6	0.86	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.88	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	0.64	1
Methyl Acetate	ND		ug/kg	22	0.85	1
Cyclohexane	ND		ug/kg	22	1.2	1
1,4-Dioxane	ND		ug/kg	110	19.	1
Freon-113	ND		ug/kg	22	0.30	1
Methyl cyclohexane	ND		ug/kg	4.5	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	96		70-130

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008
Lab Number: L1321660
Report Date: 10/31/13

SAMPLE RESULTS

Lab ID: L1321660-03
Client ID: TOPSOIL GRAB 3
Sample Location: 348 LANGNER
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/28/13 18:05
Analyst: JC
Percent Solids: 76%

Date Collected: 10/25/13 15:45
Date Received: 10/25/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.6	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.23	1
Chloroform	ND		ug/kg	2.0	0.49	1
Carbon tetrachloride	ND		ug/kg	1.3	0.28	1
1,2-Dichloropropane	ND		ug/kg	4.6	0.30	1
Dibromochloromethane	ND		ug/kg	1.3	0.41	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.40	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.46	1
Trichlorofluoromethane	ND		ug/kg	6.6	0.16	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.15	1
Bromodichloromethane	ND		ug/kg	1.3	0.30	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.17	1
Bromoform	ND		ug/kg	5.3	0.55	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.22	1
Benzene	ND		ug/kg	1.3	0.16	1
Toluene	ND		ug/kg	2.0	0.15	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	6.6	1.0	1
Bromomethane	ND		ug/kg	2.6	0.44	1
Vinyl chloride	ND		ug/kg	2.6	0.19	1
Chloroethane	ND		ug/kg	2.6	0.42	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.28	1
Trichloroethene	ND		ug/kg	1.3	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	6.6	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	6.6	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	6.6	0.32	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.14	1

Project Name: 348 LANGNER RD **Lab Number:** L1321660

Project Number: 0123-012-002-008 **Report Date:** 10/31/13

SAMPLE RESULTS

Lab ID: L1321660-03 Date Collected: 10/25/13 15:45

Client ID: TOPSOIL GRAB 3 Date Received: 10/25/13

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.6	0.42	1
o-Xylene	ND		ug/kg	2.6	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.20	1
Styrene	ND		ug/kg	2.6	0.41	1
Dichlorodifluoromethane	ND		ug/kg	13	0.29	1
Acetone	ND		ug/kg	13	4.1	1
Carbon disulfide	ND		ug/kg	13	2.6	1
2-Butanone	ND		ug/kg	13	0.47	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.32	1
2-Hexanone	ND		ug/kg	13	0.25	1
Bromochloromethane	ND		ug/kg	6.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	5.3	0.23	1
n-Butylbenzene	ND		ug/kg	1.3	0.26	1
sec-Butylbenzene	ND		ug/kg	1.3	0.27	1
tert-Butylbenzene	ND		ug/kg	6.6	0.74	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.6	1.0	1
Isopropylbenzene	ND		ug/kg	1.3	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.25	1
Naphthalene	ND		ug/kg	6.6	1.0	1
n-Propylbenzene	ND		ug/kg	1.3	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.6	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.6	1.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.6	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.6	0.76	1
Methyl Acetate	ND		ug/kg	26	1.0	1
Cyclohexane	ND		ug/kg	26	1.4	1
1,4-Dioxane	ND		ug/kg	130	23.	1
Freon-113	ND		ug/kg	26	0.36	1
Methyl cyclohexane	ND		ug/kg	5.3	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	92		70-130

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/28/13 09:22
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG647827-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	0.76	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/28/13 09:22
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG647827-3					
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/28/13 09:22
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG647827-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG647827-1 WG647827-2								
Methylene chloride	98		104		70-130	6		30
1,1-Dichloroethane	95		100		70-130	5		30
Chloroform	92		98		70-130	6		30
Carbon tetrachloride	96		99		70-130	3		30
1,2-Dichloropropane	88		95		70-130	8		30
Dibromochloromethane	99		104		70-130	5		30
1,1,2-Trichloroethane	95		100		70-130	5		30
Tetrachloroethene	96		103		70-130	7		30
Chlorobenzene	95		102		70-130	7		30
Trichlorofluoromethane	93		96		70-139	3		30
1,2-Dichloroethane	91		96		70-130	5		30
1,1,1-Trichloroethane	97		104		70-130	7		30
Bromodichloromethane	92		100		70-130	8		30
trans-1,3-Dichloropropene	75		78		70-130	4		30
cis-1,3-Dichloropropene	79		84		70-130	6		30
1,1-Dichloropropene	91		98		70-130	7		30
Bromoform	90		94		70-130	4		30
1,1,2,2-Tetrachloroethane	95		99		70-130	4		30
Benzene	94		101		70-130	7		30
Toluene	92		99		70-130	7		30
Ethylbenzene	97		104		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-012-002-008

Lab Number: L1321660

Report Date: 10/31/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG647827-1 WG647827-2								
Chloromethane	103		102		52-130	1		30
Bromomethane	112		115		57-147	3		30
Vinyl chloride	109		110		67-130	1		30
Chloroethane	112		115		50-151	3		30
1,1-Dichloroethene	100		106		65-135	6		30
trans-1,2-Dichloroethene	96		101		70-130	5		30
Trichloroethene	90		97		70-130	7		30
1,2-Dichlorobenzene	95		102		70-130	7		30
1,3-Dichlorobenzene	97		103		70-130	6		30
1,4-Dichlorobenzene	97		102		70-130	5		30
Methyl tert butyl ether	66		67		66-130	2		30
p/m-Xylene	96		103		70-130	7		30
o-Xylene	95		101		70-130	6		30
cis-1,2-Dichloroethene	93		98		70-130	5		30
Dibromomethane	86		91		70-130	6		30
Styrene	99		106		70-130	7		30
Dichlorodifluoromethane	80		88		30-146	10		30
Acetone	101		78		54-140	26		30
Carbon disulfide	95		100		59-130	5		30
2-Butanone	80		**69**	Q	70-130	15		30
Vinyl acetate	95		98		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG647827-1 WG647827-2								
4-Methyl-2-pentanone	80		82		70-130	2		30
1,2,3-Trichloropropane	92		96		68-130	4		30
2-Hexanone	82		78		70-130	5		30
Bromochloromethane	91		95		70-130	4		30
2,2-Dichloropropane	80		83		70-130	4		30
1,2-Dibromoethane	92		98		70-130	6		30
1,3-Dichloropropane	90		96		69-130	6		30
1,1,1,2-Tetrachloroethane	93		99		70-130	6		30
Bromobenzene	95		102		70-130	7		30
n-Butylbenzene	100		105		70-130	5		30
sec-Butylbenzene	99		105		70-130	6		30
tert-Butylbenzene	96		102		70-130	6		30
o-Chlorotoluene	98		106		70-130	8		30
p-Chlorotoluene	96		104		70-130	8		30
1,2-Dibromo-3-chloropropane	83		83		68-130	0		30
Hexachlorobutadiene	92		96		67-130	4		30
Isopropylbenzene	96		102		70-130	6		30
p-Isopropyltoluene	97		102		70-130	5		30
Naphthalene	85		90		70-130	6		30
Acrylonitrile	90		89		70-130	1		30
Isopropyl Ether	88		94		66-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG647827-1 WG647827-2								
tert-Butyl Alcohol	91		96		70-130	5		30
n-Propylbenzene	98		106		70-130	8		30
1,2,3-Trichlorobenzene	95		100		70-130	5		30
1,2,4-Trichlorobenzene	94		98		70-130	4		30
1,3,5-Trimethylbenzene	99		105		70-130	6		30
1,2,4-Trimethylbenzene	97		103		70-130	6		30
Methyl Acetate	83		82		51-146	1		30
Ethyl Acetate	94		96		70-130	2		30
Acrolein	90		95		70-130	5		30
Cyclohexane	88		92		59-142	4		30
1,4-Dioxane	84		78		65-136	7		30
Freon-113	93		97		50-139	4		30
1,4-Diethylbenzene	100		104		70-130	4		30
4-Ethyltoluene	100		106		70-130	6		30
1,2,4,5-Tetramethylbenzene	94		99		70-130	5		30
Tetrahydrofuran	85		86		66-130	1		30
Ethyl ether	90		93		67-130	3		30
trans-1,4-Dichloro-2-butene	84		82		70-130	2		30
Methyl cyclohexane	86		92		70-130	7		30
Ethyl-Tert-Butyl-Ether	83		86		70-130	4		30
Tertiary-Amyl Methyl Ether	**52**	Q	**54**	Q	70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-012-002-008

Lab Number: L1321660

Report Date: 10/31/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG647827-1 WG647827-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		103		70-130
Toluene-d8	106		105		70-130
4-Bromofluorobenzene	104		103		70-130
Dibromofluoromethane	110		104		70-130

SEMIVOLATILES

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008
Lab Number: L1321660
Report Date: 10/31/13

SAMPLE RESULTS

Lab ID: L1321660-04
Client ID: TOPSOIL COMP 1
Sample Location: 348 LANGNER
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/29/13 22:59
Analyst: JB
Percent Solids: 81%

Date Collected: 10/25/13 15:50
Date Received: 10/25/13
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/26/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	66.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	280		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	71.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	61.	1
Hexachlorobutadiene	ND		ug/kg	200	57.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	ND		ug/kg	200	67.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NDPA/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	60.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	53.	1
Butyl benzyl phthalate	77	J	ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1
Benzo(a)anthracene	120		ug/kg	120	40.	1
Benzo(a)pyrene	110	J	ug/kg	160	50.	1
Benzo(b)fluoranthene	150		ug/kg	120	41.	1
Benzo(k)fluoranthene	76	J	ug/kg	120	39.	1
Chrysene	130		ug/kg	120	40.	1

Project Name: 348 LANGNER RD **Lab Number:** L1321660

Project Number: 0123-012-002-008 **Report Date:** 10/31/13

SAMPLE RESULTS

Lab ID: L1321660-04 Date Collected: 10/25/13 15:50

Client ID: TOPSOIL COMP 1 Date Received: 10/25/13

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	74	J	ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	58.	1
Phenanthrene	150		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	39.	1
Indeno(1,2,3-cd)pyrene	79	J	ug/kg	160	45.	1
Pyrene	210		ug/kg	120	39.	1
Biphenyl	ND		ug/kg	460	67.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	57.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	ND		ug/kg	200	68.	1
2-Methylnaphthalene	ND		ug/kg	240	65.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	61.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	60.	1
2-Nitrophenol	ND		ug/kg	440	63.	1
4-Nitrophenol	ND		ug/kg	280	66.	1
2,4-Dinitrophenol	ND		ug/kg	970	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	74.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	65.	1
3-Methylphenol/4-Methylphenol	110	J	ug/kg	290	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Carbazole	ND		ug/kg	200	44.	1
Benzaldehyde	100	J	ug/kg	270	82.	1
Caprolactam	ND		ug/kg	200	56.	1
Atrazine	ND		ug/kg	160	46.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	34.	1

Project Name: 348 LANGNER RD **Lab Number:** L1321660

Project Number: 0123-012-002-008 **Report Date:** 10/31/13

SAMPLE RESULTS

Lab ID: L1321660-04 Date Collected: 10/25/13 15:50

Client ID: TOPSOIL COMP 1 Date Received: 10/25/13

Sample Location: 348 LANGNER Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	79		0-136
4-Terphenyl-d14	69		18-120

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/29/13 17:55
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 10/26/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG647280-1					
Acenaphthene	ND		ug/kg	130	34.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NDPA/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/29/13 17:55
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 10/26/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG647280-1					
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/29/13 17:55
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 10/26/13 15:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG647280-1					
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	220	66.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	76		0-136
4-Terphenyl-d14	90		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG647280-2 WG647280-3								
Acenaphthene	89		93		31-137	4		50
1,2,4-Trichlorobenzene	78		81		38-107	4		50
Hexachlorobenzene	87		93		40-140	7		50
Bis(2-chloroethyl)ether	79		82		40-140	4		50
2-Chloronaphthalene	85		88		40-140	3		50
1,2-Dichlorobenzene	78		83		40-140	6		50
1,3-Dichlorobenzene	76		82		40-140	8		50
1,4-Dichlorobenzene	77		82		28-104	6		50
3,3'-Dichlorobenzidine	63		69		40-140	9		50
2,4-Dinitrotoluene	**92**	Q	**100**	Q	28-89	8		50
2,6-Dinitrotoluene	89		96		40-140	8		50
Fluoranthene	94		105		40-140	11		50
4-Chlorophenyl phenyl ether	88		95		40-140	8		50
4-Bromophenyl phenyl ether	88		96		40-140	9		50
Bis(2-chloroisopropyl)ether	88		92		40-140	4		50
Bis(2-chloroethoxy)methane	80		82		40-117	2		50
Hexachlorobutadiene	81		87		40-140	7		50
Hexachlorocyclopentadiene	72		75		40-140	4		50
Hexachloroethane	83		86		40-140	4		50
Isophorone	82		84		40-140	2		50
Naphthalene	83		86		40-140	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-012-002-008

Lab Number: L1321660

Report Date: 10/31/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG647280-2 WG647280-3								
Nitrobenzene	87		90		40-140	3		50
NDPA/DPA	93		100			7		50
n-Nitrosodi-n-propylamine	82		86		32-121	5		50
Bis(2-ethylhexyl)phthalate	104		113		40-140	8		50
Butyl benzyl phthalate	100		111		40-140	10		50
Di-n-butylphthalate	102		114		40-140	11		50
Di-n-octylphthalate	112		121		40-140	8		50
Diethyl phthalate	97		104		40-140	7		50
Dimethyl phthalate	93		101		40-140	8		50
Benzo(a)anthracene	91		101		40-140	10		50
Benzo(a)pyrene	89		106		40-140	17		50
Benzo(b)fluoranthene	84		98		40-140	15		50
Benzo(k)fluoranthene	95		111		40-140	16		50
Chrysene	92		104		40-140	12		50
Acenaphthylene	88		92		40-140	4		50
Anthracene	96		106		40-140	10		50
Benzo(ghi)perylene	80		103		40-140	25		50
Fluorene	91		98		40-140	7		50
Phenanthrene	93		104		40-140	11		50
Dibenzo(a,h)anthracene	87		107		40-140	21		50
Indeno(1,2,3-cd)pyrene	81		102		40-140	23		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-012-002-008

Lab Number: L1321660

Report Date: 10/31/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG647280-2 WG647280-3								
Pyrene	92		103		35-142	11		50
Biphenyl	93		97			4		50
4-Chloroaniline	78		89		40-140	13		50
2-Nitroaniline	92		96		47-134	4		50
3-Nitroaniline	42		43		26-129	2		50
4-Nitroaniline	84		91		41-125	8		50
Dibenzofuran	90		96		40-140	6		50
2-Methylnaphthalene	85		88		40-140	3		50
1,2,4,5-Tetrachlorobenzene	82		85		40-117	4		50
Acetophenone	82		84		14-144	2		50
2,4,6-Trichlorophenol	88		94		30-130	7		50
p-Chloro-m-cresol	95		103		26-103	8		50
2-Chlorophenol	83		87		25-102	5		50
2,4-Dichlorophenol	87		88		30-130	1		50
2,4-Dimethylphenol	93		96		30-130	3		50
2-Nitrophenol	82		85		30-130	4		50
4-Nitrophenol	76		84		11-114	10		50
2,4-Dinitrophenol	69		85		4-130	21		50
4,6-Dinitro-o-cresol	90		99		10-130	10		50
Pentachlorophenol	78		89		17-109	13		50
Phenol	83		86		26-90	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-012-002-008

Lab Number: L1321660

Report Date: 10/31/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG647280-2 WG647280-3								
2-Methylphenol	86		87		30-130.	1		50
3-Methylphenol/4-Methylphenol	82		85		30-130	4		50
2,4,5-Trichlorophenol	94		102		30-130	8		50
Benzoic Acid	13		13			0		50
Benzyl Alcohol	85		88		40-140	3		50
Carbazole	94		106		54-128	12		50
Benzaldehyde	70		78			11		50
Caprolactam	105		111			6		50
Atrazine	112		122			9		50
2,3,4,6-Tetrachlorophenol	91		98			7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	81		81		25-120
Phenol-d6	86		83		10-120
Nitrobenzene-d5	85		83		23-120
2-Fluorobiphenyl	85		80		30-120
2,4,6-Tribromophenol	97		98		0-136
4-Terphenyl-d14	90		94		18-120

PCBS

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008
Lab Number: L1321660
Report Date: 10/31/13

SAMPLE RESULTS

Lab ID:	L1321660-04	Date Collected:	10/25/13 15:50
Client ID:	TOPSOIL COMP 1	Date Received:	10/25/13
Sample Location:	348 LANGNER	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/26/13 15:37
Analytical Date:	10/28/13 05:47	Cleanup Method1:	EPA 3665A
Analyst:	TQ	Cleanup Date1:	10/27/13
Percent Solids:	81%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	10/27/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.0	7.91	1	A
Aroclor 1221	ND		ug/kg	40.0	12.1	1	A
Aroclor 1232	ND		ug/kg	40.0	8.51	1	A
Aroclor 1242	ND		ug/kg	40.0	7.60	1	A
Aroclor 1248	ND		ug/kg	40.0	4.84	1	A
Aroclor 1254	ND		ug/kg	40.0	6.31	1	A
Aroclor 1260	ND		ug/kg	40.0	6.95	1	A
Aroclor 1262	ND		ug/kg	40.0	2.96	1	A
Aroclor 1268	ND		ug/kg	40.0	5.81	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: 348 LANGNER RD

Project Number: 0123-012-002-008

Lab Number: L1321660

Report Date: 10/31/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/28/13 05:59
Analyst: TQ

Extraction Method: EPA 3546
Extraction Date: 10/26/13 15:37
Cleanup Method1: EPA 3665A
Cleanup Date1: 10/27/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 10/27/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04 Batch: WG647283-1						
Aroclor 1016	ND		ug/kg	32.0	6.33	A
Aroclor 1221	ND		ug/kg	32.0	9.66	A
Aroclor 1232	ND		ug/kg	32.0	6.80	A
Aroclor 1242	ND		ug/kg	32.0	6.08	A
Aroclor 1248	ND		ug/kg	32.0	3.88	A
Aroclor 1254	ND		ug/kg	32.0	5.05	A
Aroclor 1260	ND		ug/kg	32.0	5.56	A
Aroclor 1262	ND		ug/kg	32.0	2.37	A
Aroclor 1268	ND		ug/kg	32.0	4.65	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	82		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-012-002-008

Lab Number: L1321660

Report Date: 10/31/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04 Batch: WG647283-2 WG647283-3									
Aroclor 1016	76		70		40-140	8		50	A
Aroclor 1260	74		68		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		67		30-150	A
Decachlorobiphenyl	79		72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		66		30-150	B
Decachlorobiphenyl	82		73		30-150	B

PESTICIDES

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008
Lab Number: L1321660
Report Date: 10/31/13

SAMPLE RESULTS

Lab ID:	L1321660-04	Date Collected:	10/25/13 15:50
Client ID:	TOPSOIL COMP 1	Date Received:	10/25/13
Sample Location:	348 LANGNER	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/26/13 15:40
Analytical Date:	10/28/13 11:41	Cleanup Method1:	EPA 3620B
Analyst:	SS	Cleanup Date1:	10/27/13
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.92	0.376	1	A
Lindane	ND		ug/kg	0.799	0.357	1	A
Alpha-BHC	ND		ug/kg	0.799	0.227	1	A
Beta-BHC	ND		ug/kg	1.92	0.727	1	A
Heptachlor	ND		ug/kg	0.959	0.430	1	A
Aldrin	ND		ug/kg	1.92	0.675	1	A
Heptachlor epoxide	ND		ug/kg	3.60	1.08	1	A
Endrin	ND		ug/kg	0.799	0.328	1	A
Endrin ketone	ND		ug/kg	1.92	0.494	1	A
Dieldrin	ND		ug/kg	1.20	0.599	1	A
4,4'-DDE	3.82		ug/kg	1.92	0.443	1	B
4,4'-DDD	2.39		ug/kg	1.92	0.684	1	B
4,4'-DDT	ND		ug/kg	3.60	1.54	1	A
Endosulfan I	ND		ug/kg	1.92	0.453	1	A
Endosulfan II	ND		ug/kg	1.92	0.641	1	A
Endosulfan sulfate	ND		ug/kg	0.799	0.365	1	A
Methoxychlor	ND		ug/kg	3.60	1.12	1	A
Toxaphene	ND		ug/kg	36.0	10.1	1	A
cis-Chlordane	ND		ug/kg	2.40	0.668	1	A
trans-Chlordane	ND		ug/kg	2.40	0.633	1	A
Chlordane	ND		ug/kg	15.6	6.35	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	114		30-150	A
Decachlorobiphenyl	143		30-150	A
2,4,5,6-Tetrachloro-m-xylene	110		30-150	B
Decachlorobiphenyl	**206**	Q	30-150	B

Project Name: 348 LANGNER RD
Lab Number: L1321660
Project Number: 0123-012-002-008
Report Date: 10/31/13

SAMPLE RESULTS

Lab ID:	L1321660-04	Date Collected:	10/25/13 15:50
Client ID:	TOPSOIL COMP 1	Date Received:	10/25/13
Sample Location:	348 LANGNER	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	10/28/13 18:38
Analytical Date:	10/29/13 17:48	Methylation Date:	10/29/13 11:00
Analyst:	SH		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	203	24.7	1	A
2,4,5-T	ND		ug/kg	203	12.7	1	A
2,4,5-TP (Silvex)	ND		ug/kg	203	11.2	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	136		30-150	A
DCAA	71		30-150	B

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/28/13 11:02
Analyst: SS

Extraction Method: EPA 3546
Extraction Date: 10/26/13 15:40
Cleanup Method1: EPA 3620B
Cleanup Date1: 10/27/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04 Batch: WG647284-1						
Delta-BHC	ND		ug/kg	1.54	0.302	A
Lindane	ND		ug/kg	0.644	0.288	A
Alpha-BHC	ND		ug/kg	0.644	0.183	A
Beta-BHC	ND		ug/kg	1.54	0.586	A
Heptachlor	ND		ug/kg	0.772	0.346	A
Aldrin	ND		ug/kg	1.54	0.544	A
Heptachlor epoxide	ND		ug/kg	2.90	0.869	A
Endrin	ND		ug/kg	0.644	0.264	A
Endrin ketone	ND		ug/kg	1.54	0.398	A
Dieldrin	ND		ug/kg	0.965	0.483	A
4,4'-DDE	ND		ug/kg	1.54	0.357	A
4,4'-DDD	ND		ug/kg	1.54	0.551	A
4,4'-DDT	ND		ug/kg	2.90	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.365	A
Endosulfan II	ND		ug/kg	1.54	0.516	A
Endosulfan sulfate	ND		ug/kg	0.644	0.294	A
Methoxychlor	ND		ug/kg	2.90	0.901	A
Toxaphene	ND		ug/kg	29.0	8.11	A
cis-Chlordane	ND		ug/kg	1.93	0.538	A
trans-Chlordane	ND		ug/kg	1.93	0.510	A
Chlordane	ND		ug/kg	12.5	5.12	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	124		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	**165**	Q	30-150	B

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 10/29/13 12:38
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 10/28/13 18:38

Methylation Date: 10/29/13 11:00

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 04 Batch: WG647591-1						
2,4-D	ND		ug/kg	165	20.1	A
2,4,5-T	ND		ug/kg	165	10.3	A
2,4,5-TP (Silvex)	ND		ug/kg	165	9.13	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	120		30-150	A
DCAA	148		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04 Batch: WG647284-2 WG647284-3									
Delta-BHC	107		103		30-150	4		30	A
Lindane	113		110		30-150	3		30	A
Alpha-BHC	108		100		30-150	8		30	A
Beta-BHC	111		115		30-150	4		30	A
Heptachlor	121		117		30-150	3		30	A
Aldrin	118		111		30-150	6		30	A
Heptachlor epoxide	106		101		30-150	5		30	A
Endrin	127		123		30-150	3		30	A
Endrin ketone	108		112		30-150	4		30	A
Dieldrin	113		109		30-150	4		30	A
4,4'-DDE	110		102		30-150	8		30	A
4,4'-DDD	115		109		30-150	5		30	A
4,4'-DDT	119		117		30-150	2		30	A
Endosulfan I	111		105		30-150	6		30	A
Endosulfan II	97		96		30-150	1		30	A
Endosulfan sulfate	101		102		30-150	1		30	A
Methoxychlor	115		118		30-150	3		30	A
cis-Chlordane	108		102		30-150	6		30	A
trans-Chlordane	111		106		30-150	5		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-012-002-008

Lab Number: L1321660

Report Date: 10/31/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04 Batch: WG647284-2 WG647284-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	112		126		30-150	A
Decachlorobiphenyl	**173**	Q	**188**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		99		30-150	B
Decachlorobiphenyl	**238**	Q	**237**	Q	30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-012-002-008

Lab Number: L1321660

Report Date: 10/31/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 04 Batch: WG647591-2 WG647591-3									
Dicamba	95		102		30-150	7		30	A
2,4-D	115		118		30-150	3		30	A
2,4,5-T	103		110		30-150	7		30	A
2,4,5-TP (Silvex)	121		133		30-150	9		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	106		111		30-150	A
DCAA	127		134		30-150	B

METALS

Project Name: 348 LANGNER RD
Lab Number: L1321660
Project Number: 0123-012-002-008
Report Date: 10/31/13

SAMPLE RESULTS

Lab ID: L1321660-04
Client ID: TOPSOIL COMP 1
Sample Location: 348 LANGNER
Matrix: Soil
Percent Solids: 81%

Date Collected: 10/25/13 15:50
Date Received: 10/25/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9600	J	mg/kg	12000	92.	1000	10/28/13 08:40	10/30/13 12:13	EPA 3050B	1,6020A	KL
Antimony, Total	0.36	J	mg/kg	0.59	0.05	10	10/28/13 08:40	10/30/13 14:22	EPA 3050B	1,6020A	KL
Arsenic, Total	7.2		mg/kg	0.59	0.08	10	10/28/13 08:40	10/30/13 14:22	EPA 3050B	1,6020A	KL
Barium, Total	110		mg/kg	3.5	0.04	10	10/28/13 08:40	10/30/13 14:22	EPA 3050B	1,6020A	KL
Beryllium, Total	0.70		mg/kg	0.35	0.06	10	10/28/13 08:40	10/30/13 14:22	EPA 3050B	1,6020A	KL
Cadmium, Total	0.95		mg/kg	0.24	0.02	10	10/28/13 08:40	10/30/13 14:22	EPA 3050B	1,6020A	KL
Calcium, Total	9400		mg/kg	590	15.	10	10/28/13 08:40	10/30/13 14:22	EPA 3050B	1,6020A	KL
Chromium, Total	19		mg/kg	2.4	0.07	10	10/28/13 08:40	10/30/13 14:22	EPA 3050B	1,6020A	KL
Cobalt, Total	9.1		mg/kg	0.59	0.05	10	10/28/13 08:40	10/30/13 14:22	EPA 3050B	1,6020A	KL
Copper, Total	40		mg/kg	2.4	0.05	10	10/28/13 08:40	10/30/13 14:22	EPA 3050B	1,6020A	KL
Iron, Total	16000		mg/kg	2400	59.	100	10/28/13 08:40	10/30/13 12:06	EPA 3050B	1,6020A	KL
Lead, Total	47		mg/kg	7.1	0.78	100	10/28/13 08:40	10/30/13 12:06	EPA 3050B	1,6020A	KL
Magnesium, Total	2900		mg/kg	1200	110	100	10/28/13 08:40	10/30/13 12:06	EPA 3050B	1,6020A	KL
Manganese, Total	560		mg/kg	24	0.64	100	10/28/13 08:40	10/30/13 12:06	EPA 3050B	1,6020A	KL
Mercury, Total	0.19		mg/kg	0.10	0.02	1	10/31/13 10:09	10/31/13 12:59	EPA 7471B	1,7471B	MC
Nickel, Total	20		mg/kg	1.2	0.04	10	10/28/13 08:40	10/30/13 14:22	EPA 3050B	1,6020A	KL
Potassium, Total	480		mg/kg	120	13.	10	10/28/13 08:40	10/30/13 14:22	EPA 3050B	1,6020A	KL
Selenium, Total	1.4	J	mg/kg	2.4	0.13	10	10/28/13 08:40	10/30/13 14:22	EPA 3050B	1,6020A	KL
Silver, Total	0.12	J	mg/kg	0.59	0.04	10	10/28/13 08:40	10/30/13 14:22	EPA 3050B	1,6020A	KL
Sodium, Total	63	J	mg/kg	180	6.9	10	10/28/13 08:40	10/30/13 14:22	EPA 3050B	1,6020A	KL
Thallium, Total	0.15	J	mg/kg	0.24	0.01	10	10/28/13 08:40	10/30/13 14:22	EPA 3050B	1,6020A	KL
Vanadium, Total	31		mg/kg	1.2	0.06	10	10/28/13 08:40	10/30/13 14:22	EPA 3050B	1,6020A	KL
Zinc, Total	100	J	mg/kg	120	5.6	100	10/28/13 08:40	10/30/13 12:06	EPA 3050B	1,6020A	KL

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008
Lab Number: L1321660
Report Date: 10/31/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04 Batch: WG647430-1										
Aluminum, Total	2.4	J	mg/kg	100	0.78	10	10/28/13 08:40	10/29/13 15:37	1,6020A	KL
Antimony, Total	0.24	J	mg/kg	0.50	0.05	10	10/28/13 08:40	10/29/13 15:37	1,6020A	KL
Arsenic, Total	0.09	J	mg/kg	0.50	0.06	10	10/28/13 08:40	10/29/13 15:37	1,6020A	KL
Barium, Total	ND		mg/kg	3.0	0.03	10	10/28/13 08:40	10/29/13 15:37	1,6020A	KL
Beryllium, Total	ND		mg/kg	0.30	0.05	10	10/28/13 08:40	10/29/13 15:37	1,6020A	KL
Cadmium, Total	ND		mg/kg	0.20	0.02	10	10/28/13 08:40	10/29/13 15:37	1,6020A	KL
Calcium, Total	ND		mg/kg	500	13.	10	10/28/13 08:40	10/29/13 15:37	1,6020A	KL
Chromium, Total	ND		mg/kg	2.0	0.06	10	10/28/13 08:40	10/29/13 15:37	1,6020A	KL
Cobalt, Total	ND		mg/kg	0.50	0.04	10	10/28/13 08:40	10/29/13 15:37	1,6020A	KL
Copper, Total	ND		mg/kg	2.0	0.04	10	10/28/13 08:40	10/29/13 15:37	1,6020A	KL
Iron, Total	ND		mg/kg	200	5.0	10	10/28/13 08:40	10/29/13 15:37	1,6020A	KL
Lead, Total	ND		mg/kg	0.60	0.07	10	10/28/13 08:40	10/29/13 15:37	1,6020A	KL
Magnesium, Total	ND		mg/kg	100	9.4	10	10/28/13 08:40	10/29/13 15:37	1,6020A	KL
Manganese, Total	ND		mg/kg	2.0	0.05	10	10/28/13 08:40	10/29/13 15:37	1,6020A	KL
Nickel, Total	ND		mg/kg	1.0	0.03	10	10/28/13 08:40	10/29/13 15:37	1,6020A	KL
Potassium, Total	ND		mg/kg	100	11.	10	10/28/13 08:40	10/29/13 15:37	1,6020A	KL
Selenium, Total	ND		mg/kg	2.0	0.11	10	10/28/13 08:40	10/29/13 15:37	1,6020A	KL
Silver, Total	ND		mg/kg	0.50	0.03	10	10/28/13 08:40	10/29/13 15:37	1,6020A	KL
Sodium, Total	ND		mg/kg	150	5.9	10	10/28/13 08:40	10/29/13 15:37	1,6020A	KL
Thallium, Total	0.03	J	mg/kg	0.20	0.01	10	10/28/13 08:40	10/29/13 15:37	1,6020A	KL
Vanadium, Total	ND		mg/kg	1.0	0.05	10	10/28/13 08:40	10/29/13 15:37	1,6020A	KL
Zinc, Total	ND		mg/kg	10	0.48	10	10/28/13 08:40	10/29/13 15:37	1,6020A	KL

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 04 Batch: WG648217-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/31/13 10:09	10/31/13 12:20	1,7471B	MC

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008
Lab Number: L1321660
Report Date: 10/31/13

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-012-002-008

Lab Number: L1321660

Report Date: 10/31/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04 Batch: WG647430-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	78		-		29-171	-		20
Antimony, Total	117		-		4-196	-		20
Arsenic, Total	104		-		81-119	-		20
Barium, Total	88		-		83-118	-		20
Beryllium, Total	104		-		83-117	-		20
Cadmium, Total	102		-		82-117	-		20
Calcium, Total	92		-		83-117	-		20
Chromium, Total	92		-		80-119	-		20
Cobalt, Total	98		-		83-117	-		20
Copper, Total	101		-		83-117	-		20
Iron, Total	86		-		51-150	-		20
Lead, Total	94		-		80-120	-		20
Magnesium, Total	92		-		74-126	-		20
Manganese, Total	97		-		83-117	-		20
Nickel, Total	99		-		82-117	-		20
Potassium, Total	91		-		74-126	-		20
Selenium, Total	98		-		80-120	-		20
Silver, Total	96		-		66-134	-		20
Sodium, Total	126		-		74-127	-		20
Thallium, Total	96		-		79-120	-		20
Vanadium, Total	81		-		79-121	-		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 348 LANGNER RD

Project Number: 0123-012-002-008

Lab Number: L1321660

Report Date: 10/31/13

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04 Batch: WG647430-2 SRM Lot Number: 0518-10-02					
Zinc, Total	103	-	82-119	-	20
Total Metals - Westborough Lab Associated sample(s): 04 Batch: WG648217-2 SRM Lot Number: 0518-10-02					
Mercury, Total	127	-	67-133	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG647430-4 QC Sample: L1321660-04 Client ID: TOPSOIL COMP 1												
Aluminum, Total	9600J	196	11000	**0**	Q	-	-		75-125	-		20
Antimony, Total	0.36J	49	41	84		-	-		75-125	-		20
Arsenic, Total	7.2	11.8	16	75		-	-		75-125	-		20
Barium, Total	110	196	270	82		-	-		75-125	-		20
Beryllium, Total	0.70	4.9	5.1	90		-	-		75-125	-		20
Cadmium, Total	0.95	5	5.9	99		-	-		75-125	-		20
Calcium, Total	9400	980	8200	**0**	Q	-	-		75-125	-		20
Chromium, Total	19.	19.6	34	76		-	-		75-125	-		20
Cobalt, Total	9.1	49	54	92		-	-		75-125	-		20
Copper, Total	40.	24.5	57	**69**	Q	-	-		75-125	-		20
Iron, Total	16000	98	18000	**0**	Q	-	-		75-125	-		20
Lead, Total	47.	50	110	76		-	-		75-125	-		20
Magnesium, Total	2900	980	4600	**0**	Q	-	-		75-125	-		20
Manganese, Total	560	49	460	**0**	Q	-	-		75-125	-		20
Nickel, Total	20.	49	62	86		-	-		75-125	-		20
Potassium, Total	480	980	1100	**63**	Q	-	-		75-125	-		20
Selenium, Total	1.4J	11.8	12	102		-	-		75-125	-		20
Silver, Total	0.12J	29.4	26	88		-	-		75-125	-		20
Sodium, Total	63.J	980	370	**38**	Q	-	-		75-125	-		20
Thallium, Total	0.15J	11.8	11	94		-	-		75-125	-		20
Vanadium, Total	31.	49	73	86		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG647430-4 QC Sample: L1321660-04 Client ID: TOPSOIL COMP 1										
Zinc, Total	100J	49	180	**41**	Q	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG648217-4 QC Sample: L1321542-16 Client ID: MS Sample										
Mercury, Total	0.27	0.146	0.48	**143**	Q	-	-	70-130	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG647430-3 QC Sample: L1321660-04 Client ID: TOPSOIL COMP 1						
Antimony, Total	0.36J	0.09J	mg/kg	NC		20
Arsenic, Total	7.2	4.9	mg/kg	**38**	Q	20
Barium, Total	110	71	mg/kg	**43**	Q	20
Beryllium, Total	0.70	0.53	mg/kg	**28**	Q	20
Cadmium, Total	0.95	0.63	mg/kg	**41**	Q	20
Calcium, Total	9400	6200	mg/kg	**41**	Q	20
Chromium, Total	19.	14	mg/kg	**30**	Q	20
Cobalt, Total	9.1	5.9	mg/kg	**43**	Q	20
Copper, Total	40.	29	mg/kg	**32**	Q	20
Nickel, Total	20.	14	mg/kg	**35**	Q	20
Potassium, Total	480	620	mg/kg	**25**	Q	20
Selenium, Total	1.4J	1.0J	mg/kg	NC		20
Silver, Total	0.12J	0.10J	mg/kg	NC		20
Sodium, Total	63.J	43J	mg/kg	NC		20
Thallium, Total	0.15J	0.11J	mg/kg	NC		20
Vanadium, Total	31.	21	mg/kg	**38**	Q	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG647430-3 QC Sample: L1321660-04 Client ID: TOPSOIL COMP 1						
Iron, Total	16000	16000	mg/kg	0		20
Lead, Total	47.	48	mg/kg	2		20
Magnesium, Total	2900	3000	mg/kg	3		20
Manganese, Total	560	390	mg/kg	**36**	Q	20
Zinc, Total	100J	120	mg/kg	NC		20
Total Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG647430-3 QC Sample: L1321660-04 Client ID: TOPSOIL COMP 1						
Aluminum, Total	9600J	10000J	mg/kg	NC		20
Total Metals - Westborough Lab Associated sample(s): 04 QC Batch ID: WG648217-3 QC Sample: L1321542-16 Client ID: DUP Sample						
Mercury, Total	0.27	0.25	mg/kg	8		35

INORGANICS
&
MISCELLANEOUS

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

SAMPLE RESULTS

Lab ID: L1321660-01
Client ID: TOPSOIL GRAB 1
Sample Location: 348 LANGNER
Matrix: Soil

Date Collected: 10/25/13 15:30
Date Received: 10/25/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.3		%	0.100	NA	1	-	10/30/13 23:02	30,2540G	RT

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

SAMPLE RESULTS

Lab ID: L1321660-02
Client ID: TOPSOIL GRAB 2
Sample Location: 348 LANGNER
Matrix: Soil

Date Collected: 10/25/13 15:40
Date Received: 10/25/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	10/30/13 23:02	30,2540G	RT

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

SAMPLE RESULTS

Lab ID: L1321660-03
Client ID: TOPSOIL GRAB 3
Sample Location: 348 LANGNER
Matrix: Soil

Date Collected: 10/25/13 15:45
Date Received: 10/25/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.8		%	0.100	NA	1	-	10/30/13 23:02	30,2540G	RT

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

SAMPLE RESULTS

Lab ID: L1321660-04
Client ID: TOPSOIL COMP 1
Sample Location: 348 LANGNER
Matrix: Soil

Date Collected: 10/25/13 15:50
Date Received: 10/25/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.8		%	0.100	NA	1	-	10/30/13 23:02	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG648278-1 QC Sample: L1321449-01 Client ID: DUP Sample						
Solids, Total	86.0	87.4	%	2		20

Project Name: 348 LANGNER RD
Project Number: 0123-012-002-008

Lab Number: L1321660
Report Date: 10/31/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1321660-01A	Amber 120ml unpreserved	A	N/A	3.2	Y	Absent	TS(7),NYTCL-8260(14)
L1321660-02A	Amber 120ml unpreserved	A	N/A	3.2	Y	Absent	TS(7),NYTCL-8260(14)
L1321660-03A	Amber 120ml unpreserved	A	N/A	3.2	Y	Absent	TS(7),NYTCL-8260(14)
L1321660-04A	Amber 120ml unpreserved	A	N/A	3.2	Y	Absent	NYTCL-8270(14)
L1321660-04B	Amber 120ml unpreserved	A	N/A	3.2	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),TS(7),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1321660-04C	Amber 120ml unpreserved	A	N/A	3.2	Y	Absent	NYTCL-8082(14)
L1321660-04D	Amber 120ml unpreserved	A	N/A	3.2	Y	Absent	NYTCL-8081(14)
L1321660-04E	Amber 120ml unpreserved	A	N/A	3.2	Y	Absent	HERB-APA(14)

Container Comments

L1321660-04B

*Values in parentheses indicate holding time in days

Project Name:	348 LANGNER RD	**Lab Number:**	L1321660
Project Number:	0123-012-002-008	**Report Date:**	10/31/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD	**Lab Number:**	L1321660
Project Number:	0123-012-002-008	**Report Date:**	10/31/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	348 LANGNER RD	**Lab Number:**	L1321660
Project Number:	0123-012-002-008	**Report Date:**	10/31/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised October 1, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310C, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, 4500SO4-E, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 5030C, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5030C, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330A, 8082A, EPA 3510C, 5030B, 5030C, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330A, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C,

4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm 9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE____ OF ____

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 10/25/13

ALPHA Job #: L1321660

Client Information

Client: Turnkey
Address: 2558 Hamburg Turnpike Buffalo NY 14218
Phone: (716) 856-0599
Fax: (716) 856-0599
Email:
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 348 Langner Rd
Project Location: 348 Langner
Project #: 0123-012-002 (008)
Project Manager: Mike Lesakowski
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)
Date Due: 4 Day 10/31/13 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: TCL + stars VOC; TCL SVOC; TAL Metals; PCBs; Pest; Herb

SAMPLE HANDLING
Filtration____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL + stars VOC	TCL SVOC	TAL Metals	PCBs	Pest	Herb	Sample Specific Comments	TOTAL # BOTTLES
21660-01	Topsoil Grab 1	10-25-13	1530	Soil	PWW	X							1
02	Topsoil Grab 2	↓	1540	↓	↓	X							1
03	Topsoil Grab 3	↓	1545	↓	↓	X							1
04	Topsoil Grab 4	↓	1550	↓	↓		X	X	X	X	X		5

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Paul W. [signature]	1620 10-25-13	James L. Rickers	10-25-13 1620
James L. Rickers	10-25-13 1730	[signature]	10/26/13 1730

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

APPENDIX D

DATA USABILITY SUMMARY REPORT (DUSR)

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
Facsimile 518-251-4428

December 6, 2012

Michael Lesakowski
Benchmark Env. Engineers
2558 Hamburg Turnpike Suite 300
Buffalo, NY 14218

RE: **D**ata **U**sability **S**ummary **R**eport for the 348 Langer Rd Site
Paradigm SDG Nos. 12:1226 and 12:1288

Dear Mr. Lesakowski:

Review has been completed for the data packages noted above, generated by Paradigm that pertain to samples collected between 03/19/12 and 03/27/12 at the 348 Langner Road site. Nine aqueous samples, five soil samples, and a field duplicate of each matrix were analyzed for TCL and STARS volatiles, TCL semivolatiles, TCL pesticides, TCL PCBs, herbicides, TAL metals, and total cyanide. The TAL metals were processed on the filtered fraction of the aqueous samples. Fourteen soil samples were processed for TCL semivolatiles. Three soil samples were processed for TCL volatiles and TCL semivolatiles. The analyses for herbicides and total cyanide were subcontracted to H2M Labs. The analytical methods utilized are those of the USEPA SW846 6000/7000/8000.

The data packages submitted contain full deliverables for validation, but this usability report is generated from review of the summary form information, with review of sample raw data, and limited review of associated QC raw data. Full validation has not been performed. However, the reported summary forms have been reviewed for application of validation qualifiers, using guidance from the USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, the specific laboratory methodologies, and professional judgment, as affects the usability of the data. The following items were reviewed:

* Laboratory Narrative Discussion
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Matrix Spike Recoveries/Duplicate Correlations (MS/MS/DUP)
* Field Duplicate Correlations
* Preparation/Calibration Blanks
* Control Spike/Laboratory Control Samples
* Instrumental Tunes
* Calibration Standards
* Instrument IDLs
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review.

In summary, most sample results are usable either as reported or with minor qualification/edit. However, the following concerns are noted:

- 1,4-dioxane results are to be rejected in all samples
- Aroclor 1221 result is to be rejected in one sample
- all filtered metals qualified as estimated
- benzene reporting limits are to be edited upward in the aqueous samples
- evidence of a non-homogeneous sample matrix as regards metals content

Copies of the sample identification summaries and the laboratory case narratives are attached to this text, and should be reviewed in conjunction with this report. Also included with the report are client results tables annotated to reflect the qualifications recommended within this report.

The following text discusses quality issues of concern.

General

Sample SB-15(2-4) was collected 3/19/12 and submitted for volatile and semivolatile analyses. Additional portions of the same sample were submitted days later, for analysis of the full list of analytes. Both sets of data were reported. It is noted that the moisture contents of that sample differed significantly, at 20% for the initial submission and 15% for the later submission. There are also some observed variance in certain of the volatile and semivolatile detected analyte concentrations; a non-homogenous matrix is suspected. References to that sample within this report are denoted parenthetically with the applicable receive dates.

The aqueous metals fractions were not filtered until after laboratory receipt. Therefore, due to either the delay in preservation, or to filtration after preservation, all results for the metals in the aqueous samples have been qualified as estimated in value.

Sample report forms do not show the required entries such as moisture/solids content, weights, volumes, dilution factors, analysis filenames, etc.

The laboratory reported naphthalene for both the volatile and semivolatile fractions. Samples with detections of that compound therefore have it doubly reported.

Chains-of-Custody

The second of the two reported samples SB-15(2-4), its MS/MSD, and the soil Field Duplicate were received seven days after sample collection. Technical holding times were met. A memorandum should be made to the file documenting the condition and custody of those samples during the time between collection and shipment.

There is no preservation noted on the aqueous custody forms, and no pHs logged onto preparation logs.

The field custody forms have available fields for only one transfer. Therefore, interim transfer entries are incomplete.

The inter-laboratory custody form for the aqueous samples does not show the year on the collection dates. The year is present on the relinquish and receipt dates on those custodies.

Blind Duplicate Evaluations

The blind field duplicate evaluations were performed on MW-2 and SB-12(8-10). The correlations are within validation guidelines, with the exception of numerous outlying metals in the soil sample. Results for arsenic, cadmium, calcium, cobalt, copper, iron, lead, nickel, and sodium (53%RPD to 92%RPD) have therefore been qualified as estimated in value in SB-12(8-10) and its duplicate.

TCL Volatile Analyses by EPA 8260B

SB-23(1-3) and SB-24(4-6) were analyzed using sample weights significantly below the 5 g analytical method weight. Although the analytical protocol allows weights as low as 1.0 g, the laboratory used 0.22 g and 0.077 g, respectively, for these samples. Such low weights give a potential for inaccuracy and non-homogenous aliquots. Therefore, results for those two samples have been qualified as estimated in value.

SB-13(0-3) shows low recovery for surrogate standard BFB. The analytical protocol requires reanalysis for outlying surrogate responses, but the reanalysis was not performed. Therefore, all volatile results for that sample have been qualified as estimated in value.

The soil method blanks show detections of acetone, and the detections of that compound in the soil samples are therefore considered external contamination, and have been edited to reflect non-detection.

Reporting limits for benzene in the aqueous samples are to be edited upward, from 0.7 ug/L to 1.0 ug/L, to correspond to the concentration of the low end of the calibration range (consistent with analytical requirements).

The following results are qualified as tentative in identification and estimated in value due to poor spectral quality:

- o-xylene in SB-15(2-4) (3/22/12)
- methylcyclohexane in SB-23(1-3) and SB-24(4-6)

The following results are edited to reflect non-detection, some at elevated reporting limits, due to very poor mass spectral quality:

- m,p-xylene, ethylbenzene, sec-butylbenzene, 1,2,4-trimethylbenzene, and n-butylbenzene in SB-15(2-4) (3/22/12)
- methyl acetate in SB-12(8-10)
- p-isopropyltoluene, and n-butylbenzene in SB-24(4-6)

The aqueous matrix spikes of MW-8 show recoveries and duplicate correlations of the five evaluated analytes are within validation guidelines. The analytical protocol requires evaluation of all target analytes.

The soil matrix spikes of SB-13(0-3) and SB-15(2-4) (03/26/12)show anomalies that indicate likely errors in laboratory spiking procedure/solutions. Both sets of spikes show consistently low recoveries for the spike compounds (including toluene at 50% to 63%), but acceptable recoveries for the

surrogate standards (including d8-toluene at 88% to 96%). Those spike compounds and their deuterated analog surrogate compounds should recover identically. No qualification is made.

Results for 1,4-dioxane in the samples are to be rejected, and are not usable, due to very low instrument response inherent in the methodology.

Other calibration standards showed acceptable responses, with the exceptions of those for acetone and methylene chloride, which show linearity greatly exceeding the method limit of 15%RSD (at 128%RSD and 104%RSD), with responses in the lowest initial concentration standard significantly elevated over those expected. This variance, which does not affect undetected results, can be indicative of consistent background contamination. The continuing calibration standards produce outlying elevated percent differences for those compounds (47%D to 63%D), but those differences are a result of the warped initial calibration curve, and no qualification is made.

Internal standard responses are within required limits. LCS recoveries of the five evaluated analytes meet validation guidelines. The analytical protocol requires evaluation of all target analytes.

TCL Semivolatile Analyses by EPA 8270C

Surrogate recoveries are within laboratory acceptance ranges, with the exception of the samples that were processed at dilution, for which that evaluation is not applicable.

Internal standard responses are within required limits.

Matrix spikes of MW-8, SB-15(2-4) (03/26/12), and SB-24(4-6) show recoveries and duplicate correlations for the eleven evaluated analytes that are within the laboratory acceptance ranges, with the exception of the recoveries of pyrene in SB-15(2-4) (03/26/12). The detected result for pyrene in that parent sample has been qualified as estimated. The analytical protocol requires evaluation of all target analytes.

The acceptance ranges for the aqueous surrogate and matrix spike recoveries determined by the laboratory have uncharacteristically wide limits, with the lower recovery limits for four of the eleven matrix spike compounds below 10%. Recoveries of the surrogate and matrix spike compounds in the project samples are reasonable.

. LCS recoveries meet validation guidelines.

Calibration standards showed acceptable responses, with the exception of those for 2,4-dinitrophenol, hexachlorcyclopentadiene, and 4,6-dinitro-2-methylphenol (41%D to 60%D) in that associated with SB-16(0-2), SB-17(8-10), SB-20(5-10), SB-19(1-3), SB-18(5-7), SB-21(5-7), SB-22(5-7), SB-23(1-3), SB-24(4-6), SB-25(5-7), SB-26(5-7), SB-27(1-3), and SBN-28(5-7). Results for those compounds in those samples are qualified as estimated.

Some of the samples were processed only at dilution. This results in elevated reporting limits for analytes not detected in those affected samples. The dilution factors should be noted on the raw analysis log.

The mass spectra for the detections in SB-15(2-4) (03/26/12) are not present in the data package. They are present for the analysis of the initial submission of this sample.

TCL Pesticides/TCL PCBs/Herbicides by EPA 8081/EPA8082EPA 8151

Most of the reported pesticide and herbicide detections exhibit elevated dual column quantitative correlations, indicating matrix interferences that may result in false positives or elevated quantitative values. Those results have been qualified estimated in value, as tentative in identification and estimated in value, or edited to non-detection, depending on the degree of variance and subsequent lack of confidence in those identifications. The laboratory properly reported the detections per the analytical protocol, but upon validation it is determined that the majority of the reported detections show variances that led to edit to non-detection.

SB-23(1-3) shows a very large interferent (similar to an extraction solvent peak) in the PCB analysis that prohibits the potential detection for Aroclor 1221, and inhibits the potential detection of Aroclor 1016. Therefore, the result for Aroclor 1221 in that sample is rejected, and not usable, and the result for Aroclor 1016 in that sample is qualified as estimated in that sample.

Results for pesticides and PCBs in SB-13(0-3), and for pesticides in SB-23(1-3), are qualified as estimated due to low surrogate recoveries. The results for pesticide detections in all aqueous samples except MW-5 and MW-7 are qualified as estimated due to elevated surrogate recoveries.

LCSs show recoveries that are within laboratory acceptance ranges. Blanks show no contamination.

Matrix spikes were performed for six pesticides in SB-15(2-4) (03/26/12) and MW-8, for five herbicides in SB-24(4-6), SB-15(2-4) and MW-8, and for Aroclor 1242 in SB-15(2-4) (03/26/12), SB-13(0-3), and MW-8. Recoveries and duplicate correlations are within validation action limits, with the exception of those for 4,4'-DDT in SB-15(2-4) (03/26/12), and aldrin and dicamba in MW-8. The results for those compounds are therefore qualified as estimated in value in their respective parent samples.

TAL Metals/CN Analyses by EPA 6010B, 7470, 7471, and 9012

Matrix spike and duplicate evaluations were performed for TAL metals and total cyanide on SB-13(0-3), SB-15(2-4) (03/26/12), and MW-8. The following elements exhibited recoveries and/or correlations fall outside validation action limits:

- antimony, beryllium, mercury, and thallium in SB-13(0-3)
- antimony, calcium, mercury, and magnesium in SB-15(2-4)

The results for those six elements are qualified as estimated in the project soil samples. Aqueous matrix spikes were acceptable.

The laboratory results forms for all of the soil samples, not just the parent sample, should have been flagged to indicate outlying matrix spike recoveries and duplicate correlations.

Although required of method 6010B, no post-digest spike or ICP serial dilution evaluations were performed on the soil sample. Therefore, that matrix effect evaluation on analyte recoveries is not complete. This should be considered by the end-user of the data.

The laboratory did not analyze low level standards after the initial calibration, and therefore the accuracy of the instrumentation at low concentrations has not been determined. Consequently, the results for undetected analytes in the samples have been qualified as estimated, with a possible low bias.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Very truly yours,

Judy Harry

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected. The associated reported quantitation limit is an estimate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
harry@frontiernet.net

April 8, 2013

Michael Lesakowski
Benchmark Env. Engineers
2558 Hamburg Turnpike Suite 300
Buffalo, NY 14218

RE: **D**ata **U**sability **S**ummary **R**eport for the 348 Langer Rd Site
Alpha Analytical SDG Nos. L1214816, L1214974, L1214975, L1215814, L1215815, L1215914, L1215915, L1216007, and L1216169

Dear Mr. Lesakowski:

Review has been completed for the data packages noted above, generated by Paradigm that pertain to samples collected between 08/16/12 and 09/11/12 at the 348 Langner Road site. Forty-eight soil samples and two field duplicates were analyzed for an extensive list of volatile analytes. Nineteen of these samples and one of the field duplicates were also processed for TCL semivolatiles. Two soil samples were processed for TCL volatiles. The analytical methods utilized are those of the USEPA SW846.

The data packages submitted contain full deliverables for validation, but this usability report is generated from review of the summary form information, with review of sample raw data, and limited review of associated QC raw data. Full validation has not been performed. However, the reported summary forms have been reviewed for application of validation qualifiers, using guidance from the USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, the specific laboratory methodologies, and professional judgment, as affects the usability of the data. The following items were reviewed:

* Laboratory Narrative Discussion
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Matrix Spike Recoveries/Duplicate Correlations (MS/MSD)
* Field Duplicate Correlations
* Method Blanks
* Spike/Laboratory Control Samples
* Instrumental Tunes
* Calibration Standards
* Instrument IDLs
* Sample Result Verification

The data review includes evaluation of the specific items noted in The NYS DER-10 Appendix B section 2.0 (c). The items listed above that show deficiencies are discussed within the text of this narrative. The laboratory QC forms illustrating the excursions can be found within the laboratory data package.

In summary, most sample results are usable either as reported or with minor qualification/edit. However, the following concerns are noted:

- data for one volatile analyte in all samples and two semivolatile analytes in one sample are rejected, and not usable.
- non-compliant processing was observed in the organic analyses; pesticide results are qualified as a result
- there is evidence of a non-homogeneous soil matrix at one of the two locations

Copies of the sample identification summaries and the laboratory case narratives are attached to this text, and should be reviewed in conjunction with this report. Also included with the report are client results tables annotated to reflect the qualifications recommended within this report. Because the client tables report only analytes showing detection, not all qualifiers could be entered thereupon. Specifically, the rejected data for 1,4-dioxane in all samples, the rejected data points for 2,4-dinitro-phenol and benzoic acid in one sample, qualification of some of the reporting limits as estimated, and qualification of field duplicates have not been applied.

The following text discusses quality issues of concern.

General

The laboratory utilizes uniform acceptance ranges for surrogate standard, LCS, and MS/MSD recoveries and correlations, rather than comparing them to the laboratory determined acceptance ranges required of the analytical protocol. This method of evaluation is not considered compliant, but those utilized ranges (typically 70% to 130% for volatiles and 40% to 140% for semivolatiles) have been used during this evaluation, for lack of actual ranges.

Blind Duplicate Evaluations

The blind field duplicate evaluations were performed on UST AREA #1 BOTTOM 2 and UST AREA 2 BOTTOM 2. The correlations for the Area 1 location are within validation guidelines, with the exception of that for methyl-t-butyl ether (>2X±CRDL), results for which have therefore been qualified as estimated in value in UST AREA #1 BOTTOM 2 and its duplicate.

Those for UST AREA 2 BOTTOM 2 were very poor, with results for all detected analytes in the parent sample except toluene exceeding the validation action limit of >2X±CRDL (with variances up to about sixty-fold). Results for all detected analytes except toluene in the parent sample and duplicate have been qualified as estimate in value.

TCL Volatile Analyses by EPA 8260B

The following results are qualified as tentative in identification and estimated in value due to poor spectral quality:

- sec-butylbenzene in UST AREA 1 SOUTHWALL 1, UST AREA 2 EAST WALL 3, and UST AREA 2 WEST WALL 2

- p-isopropyltoluene in UST AREA 2 WEST WALL 3
- 1,4-diethylbenzene in UST AREA 2 WEST WALL 4

The following results are edited to reflect non-detection, some at elevated reporting limits, due to very poor mass spectral quality:

- sec-butylbenzene in UST AREA 2 BOTTOM 2 and UST AREA 2 NORTH WALL 2
- methylene chloride in UST AREA 2 NORTH WALL 2

The matrix spikes of UST AREA 1 BOTTOM 2 and UST AREA 2 BOTTOM 1 show recoveries that fall outside of acceptable limits. Results for the noted analytes have been qualified as estimated in the parent sample:

Parent Sample	Analyte	%Recoveries
UST AREA 1 BOTTOM 2	vinyl acetate	68 and 69
UST AREA 2 BOTTOM 1	1,2,3-trichlorobenzene	58 and 58
	1,2,4-trichlorobenzene	58 and 59
	naphthalene	66 and 67
	hexachlorobutadiene	63 and 60

Laboratory Control Samples (LCSs) show analyte recoveries within the utilized acceptance ranges with the following exceptions, results for which are to be qualified as estimated in the indicated samples:

- 1,2-dibromo-3-chloropropane (62% and 67%) in CANOPY NORTHWALL 2, CANOPY NORTHWALL 1, CANOPY NORTHWALL 3, CANOPY BOTTOM 1, CANOPY BOTTOM 2, CANOPY SOUTHWALL 1, CANOPY SOUTHWALL 2, and CANOPY SOUTHWALL 3
- vinyl chloride (63%) in the samples reported in SDG L1215915

The laboratory reports LCS evaluations in duplicate, but one of each pair is actually the continuing calibration standard. The protocol requires only one LCS, so the processing is compliant in that respect.

Results for 1,4-dioxane in the samples are to be rejected, and are not usable, due to very low instrument response inherent in the methodology.

The other calibration standards showed acceptable responses, with the following exceptions, results for which are to be qualified as estimated in the indicated samples:

- vinyl chloride, acetone and 1,2-dibromo-3-chloropropane (21%D to 38%D) in CANOPY NORTHWALL 2, CANOPY NORTHWALL 1, CANOPY NORTHWALL 3, CANOPY BOTTOM 1, CANOPY BOTTOM 2, CANOPY SOUTHWALL 1, CANOPY SOUTHWALL 2 and CANOPY SOUTHWALL 3
- dichlorodifluoromethane, carbon disulfide and methylene chloride (21%D and 26%D) in UST AREA 2 NORTH WALL 1 (0-2)
- vinyl chloride, bromoform, bromobenzene, p-isopropyltoluene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichlorobenzene, 4-ethyltoluene, 1,2,4,5-tetramethylbenzene, 1,3,5-trichlorobenzene, hexachlorobutadiene, 1,2,4-trichlorobenzene, 1,2,3-trichlorobenzene and toluene (21%D to 31%D) in BOTTOM 3 UST AREA 2, UST AREA 2 BOTTOM 4, UST

AREA 2 BOTTOM 5, UST AREA 2 BOTTOM 6, UST AREA 2 EAST WALL 3, and UST AREA 2 WEST WALL 2

- 2-butanone (22%D) in UST AREA 2 BOTTOM 7, UST AREA 2 BOTTOM 8, UST AREA 2 EAST WALL 4, UST AREA 2 WEST WALL 4 and UST AREA 2 WEST WALL 5
- carbon disulfide (21%D) in PRODUCT LINES BOTTOM 1, PRODUCT LINES BOTTOM 2 and PRODUCT LINES BOTTOM 3

Surrogate and internal standard responses are within required limits.

TCL Semivolatile Analyses by EPA 8270C

The following results are qualified as tentative in identification and estimated in value due to poor spectral quality:

- phenanthrene in CANOPY SOUTHWALL 1
- fluoranthene in CANOPY NORTHWALL 1
- benzo(a)anthracene in CANOPY NORTHWALL 3 and CANOPY BOTTOM 2

Surrogate recoveries are within utilized acceptance ranges. Internal standard responses are within required limits.

The matrix spikes (MSs) of UST AREA 1 BOTTOM 2 show acceptable recoveries and correlations not requiring qualification, with the exception of those for 2,4-dinitrophenol and benzoic acid, which failed to recover in at least one of the two MSs. Results for those two compounds are rejected, and not usable, in that parent sample.

Laboratory Control Samples (LCSs) show analyte recoveries within the utilized ranges, with the exception of elevated recoveries for analytes not detected in the project samples.

Calibration standards showed acceptable responses, with the exception of those for bis(2-chloroisopropyl)ether and 2-nitroaniline (23%D and 24%D) in the continuing calibration standard associated with CANOPY NORTHWALL 2, CANOPY NORTHWALL 1, CANOPY NORTHWALL 3, CANOPY BOTTOM 1, CANOPY BOTTOM 2, CANOPY SOUTHWALL 1, CANOPY SOUTHWALL 2, and CANOPY SOUTHWALL 3. Results for those compounds in the noted samples are to be qualified as estimated.

Some of the samples were processed only at dilution. This results in elevated reporting limits for analytes not detected in those affected samples. Review of the chromatograms shows that there are not many matrix interferences justifying the degree of dilution.

TCL Pesticide Analyses by EPA 8081A

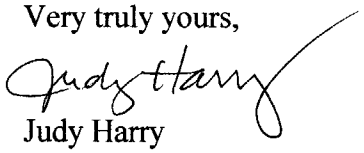
Holding times were met, and blanks show no contamination. Surrogate recoveries are within utilized ranges.

The calibration standards (CCVs) that were analyzed show acceptable responses. However, although required by the analytical protocol, no CCVs were processed following the sample analysis. Therefore, compliant instrument performance has not been determined, and all results for the samples are to be qualified as estimated in value.

No project matrix spikes were performed. LCS recoveries and duplicate correlations are within utilized ranges and limits.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Very truly yours,



Judy Harry

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R	The data are unusable. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

APPENDIX E

ELECTRONIC COPY OF RI/IRM/AA REPORT