HUDSON RIVER PSYCHIATRIC CENTER

DUTCHESS COUNTY, NEW YORK

Construction Completion Report

NYSDEC Site Number: C314121

Prepared for:

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JUNE 2017

CERTIFICATIONS

I, Jamison Morse, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Interim Remedial Measures Work Plan was implemented and that all construction activities were completed in substantial conformance with the Department-approved Interim Remedial Measures Work Plan.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Jamison Morse, of PVE, LLC, am certifying as Owner's Designated Site Representative for the site.

096762	June 13, 2017	
NYS Professional Engineer #	Date	Signature

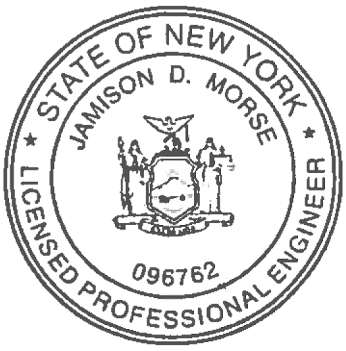


TABLE OF CONTENTS

CERTIFICATIONS ..... **II**

TABLE OF CONTENTS ..... **III**

LIST OF ACRONYMS ..... **VI**

CONSTRUCTION COMPLETION REPORT **1**

1.0 BACKGROUND AND SITE DESCRIPTION **1**

2.0 SUMMARY OF INTERIM REMEDIAL MEASURE **2**

2.1 REMEDIAL ACTION OBJECTIVES **2**

2.2.1 REMEDIATION PERFORMANCE CRITERIA **8**

2.2 DESCRIPTION OF INTERIM REMEDIAL MEASURE **3**

3.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED **5**

3.1 GOVERNING DOCUMENTS **5**

3.1.1 SITE SPECIFIC HEALTH & SAFETY PLAN (HASP) **5**

3.1.2 QUALITY ASSURANCE PROJECT (QAPP) **5**

3.1.3 COMMUNITY AIR MONITORING PLAN (CAMP) **5**

3.1.4 COMMUNITY PARTICIPATION PLAN **8**

3.2 REMEDIAL PROGRAM ELEMENTS **8**

3.2.1 CONTRACTORS AND CONSULTANTS **8**

3.2.2 SITE PREPARATION **9**

3.2.3 GENERAL SITE CONTROLS **9**

3.2.4 NUISANCE CONTROLS **10**

3.2.5 CAMP RESULTS **10**

3.2.6 REPORTING **10**

3.2.7 SOIL **11**

3.2.7.1 DISPOSAL DETAILS 12
3.2.7.2 ON-SITE REUSE 12
3.2.8 GROUNDWATER 14
3.3 REMEDIAL PERFORMANCE/DOCUMENTATION SAMPLING 14
3.3.1 POST-EXCAVATION/END POINT SAMPLE RESULTS 14
3.4 IMPORTED BACKFILL 15
3.5 SOIL COVER SYSTEM 16
3.6 OTHER ENGINEERING & INSTITUITIONAL CONTROLS 16
3.7 DEVIATIONS FROM THE IRM WORK PLAN 16

TABLES

Table 1: Site-specific Soil Cleanup Objectives (SCOs)

Table 2A: VOCs in Soil Re-used as Backfill

Table 2B: Metals, Pesticides, PCBs, and SVOCs in Soil Re-used as Backfill

Table 3: VOCs & SVOCs in Endpoint Samples

FIGURES

Figure 1: Site Location Map

Figure 2: Excavation Area, Soil Stockpile Areas, and Community Air Monitoring Program (CAMP) Locations

Figure 3: Excavation Area and End Point Sample Locations

Figure 4: Excavation Area Before Excavation

Figure 5: Excavation Area After Excavation

Figure 6: Water Line As-Built Plan

Figure 7: Excavation Area And As-Built Conditions After Backfill

APPENDICES

Appendix A: Electronic Copy of CCR and Supporting Documentation (CD)

Appendix B: NYSDEC Approval Documentation

Appendix C: Health and Safety Plan (HASP)

Appendix D: Field Data for Community Air Monitoring Plan (CAMP)

Appendix E: Daily Reports with Digital Photos

Appendix F: Soil Disposal Log

Appendix G: Disposal Facility Approval & Waste Characterization Documentation

Appendix H: Soil Disposal Manifests

Appendix I: Re-used Soil Lab Reports

Appendix J: Liquid Disposal Documentation

Appendix K: Endpoint Lab Reports

Appendix L: Backfill Materials Documentation

LIST OF ACRONYMS

Acronym	Definition
AHERA	Asbestos Hazard Emergency Response Act
AOC	area of concern
BGS	below ground surface
CAMP	community air monitoring program
CAP	contractor's application for payment
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
COC	Contaminants of Concern
DFR	Daily Field Report
DUSR	Data Usability Summary Report
ELAP	Environmental Laboratory Accreditation Program
ERP	Environmental Restoration Program
ESD	Explanation of Significant Differences
FER	Final Engineering Report
GC/MS	gas chromatography/mass spectroscopy
gal	gallons (US)
gpm	gallons per minute
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measures
ISCO	In situ chemical oxidation
KW	kilowatt
LF	linear feet
mg/kg	milligrams/kilogram
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
MS/MSD	matrix spike/matrix spike duplicate
NIOSH	National Institute for Occupational Safety and Health
NTP	Notice to Proceed

NYCRR	New York Codes Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOL	New York State Department of Labor
NYSDOT	New York State Department of Transportation
NYSERP	New York State Environmental Restoration Program
NYSOSC	New York State Office of State Comptroller
OSHA	Occupational Safety and Health Administration
OU	Operable Unit
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl
PCO	proposed change order
PDI	Pre Design Investigation
ppb	parts per billion
PPE	personal protective equipment
ppm	parts per million
ppt	parts per trillion
psi	pounds per square inch
QA/QC	quality assurance/quality control
QAO	Quality Assurance Officer
QAPP	Quality Assurance Project Plan
RAO	Remedial Action Objective
RAP	Remedial Action Plan
RFA	RCRA Facility Assessment
RCRA	Resource Conservation and Recovery Act
RFI	Request for Further Information
RI	remedial investigation
RI/RFI	Remedial Investigation/RCRA Facility Investigation
ROD	Record of Decision
SAP	Sampling and Analysis Plan
SCO	Soil Cleanup Objective

SGC	Standards, criteria and guidance
SSF	New York State Superfund Program
SSO	Site Safety Officer
SVOC	semi-volatile organic compound
SWMF	solid waste management facility
SWMU	solid waste management unit
T&M	Time and Material
TAL	Target Analyte List
TAGM	Technical and Administrative Guidance Memorandum
TAT	Turnaround time
TCLP	Toxicity Characteristic Leaching Procedure
TSDF	treatment, storage, and disposal facility
TSCA	Toxic Substances Control Act
ULSD	Ultra-Low-Sulfur Diesel
USEPA	U.S. Environmental Protection Agency
USGS	United States Geological Survey
VOC	volatile organic compound

CONSTRUCTION COMPLETION REPORT

1.0 BACKGROUND AND SITE DESCRIPTION

EFG/DRA Heritage, LLC (EFG/DRA) entered into the Brownfield Cleanup Program (BCP No. C314121) with the New York State Department of Environmental Conservation (NYSDEC) in April, 2014, to investigate and where necessary remediate, a 40-acre portion of the former Hudson River Psychiatric Center located in the Town of Poughkeepsie, Dutchess County, New York. The site is identified as a portion of Section 6163 Block 03 and Lot 011149 on the Town of Poughkeepsie Tax Map. The site is situated on an approximately 40-acre area in the northeastern portion of the property. The boundaries of the site are shown in Figure 1.

During the Department-managed Remedial Investigation, petroleum-impacted soil was identified which is believed to have originated from a release at two former 126,000-gallon aboveground storage tanks (ASTs) at the Power House. The plant originally burned coal, transported by rail, and was converted to burn #6 fuel oil in the 1970s. Coal was stored in piles on land north of the Power House, and #6 fuel oil was stored in the aforementioned 126,000-gallon ASTs located in a diked containment area with a concrete bottom, along the eastern side of the Power House. Tanks were removed in 2011 as described in the February 16, 2011, tank closure report by William L. Going & Associates Inc. Subsequently, a Town water line was constructed across the former tank area, which required filling a portion of the containment area with soil from a nearby embankment.

In June 2015, NYSDEC approved the IRM work plan (June 26, 2015) which was prepared in accordance with NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation (May 2010), and included procedures for the excavation and disposal of grossly-contaminated media along the eastern side of the Power House.

An electronic copy of this CCR with all supporting documentation is included as Appendix A.

2.0 SUMMARY OF INTERIM REMEDIAL MEASURE

The IRM described herein was to effectively remove grossly-contaminated soil originating from leakage and spillage at the former ASTs.

2.1 REMEDIAL ACTION OBJECTIVES

The following Remedial Action Objectives (RAOs) were identified in the IRM Work Plan.

2.1.1 Remediation Performance Criteria

The RAOs were developed in the IRM Work Plan (section 1.3.1) from information summarized from previous environmental reports, including identified contaminated media and potential public health and environmental exposure pathways. The RAOs for this investigation are the following:

Groundwater RAOs for Public Health Protection

- Prevent ingestion of groundwater containing contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of, volatiles emanating from contaminated groundwater.

Soil RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of, or exposure to, contaminants volatilizing from contaminated soil.
- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a site.

Soil RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.

- Prevent impacts to biota due to ingestion/direct contact with contaminated soil that would cause toxicity or bioaccumulation through the terrestrial food chain.

2.2 DESCRIPTION OF INTERIM REMEDIAL MEASURE

The site was remediated in accordance with the Interim Remedial Measures Work Plan dated June 2015, including the following components:

1. Establish Soil Cleanup Objectives (SCOs) for this IRM as Restricted-Residential, defined in 6 NYCRR Part 375-6.4.
2. Site mobilization involving equipment mobilization, utility mark outs and marking & staking excavation areas;
3. Temporary removal and relocation of the existing water line which traversed the excavation area;
4. Excavation, segregation and stockpiling of the overlying soil which isn't grossly-contaminated and presumably meets SCOs from the former tank containment area;
5. Excavation, segregation, stockpiling, and off-site disposal of grossly-contaminated soil from the former tank containment area;
6. Removal and off-site disposal via vacuum truck of free product encountered during excavation activities;
7. Collection and analysis of end-point soil samples in accordance with DER-10;
8. Collection and analysis of soil samples from stockpiles for waste characterization and off-site disposal;
9. Collection and analysis of soil samples at the frequency defined in DER-10 Table 5.4(e)10, from segregated soil (not grossly-contaminated) to confirm it can be reused as backfill in accordance with Part 375 -6.7 (d).
10. Implementation of a Community Air Monitoring Program (CAMP) and work zone air monitoring for VOCs and particulates during all field activities (Appendix D);

11. Removal of the temporary water line and reinstallation of the permanent water line to its original position;

12. Backfilling the excavation with washed stone, segregated soil (confirmed appropriate for reuse as backfill in accordance with Part 375 -6.7 (d)), and RCA (with less than 10% able to pass through a size 80 sieve);

13. Construction and maintenance of a soil cover system consisting of a minimum of 2 feet of RCA (with less than 10% able to pass through a size 80 sieve) to prevent human exposure to remaining contaminated soil/fill remaining at the site;

14. Submittal of an IRM Activities Report that describes the IRM and certifies that the remedial requirements have been achieved;

3.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

Remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved IRM Work Plan for the Hudson River Psychiatric Center - North Area, AOC-1 - Power House site (June, 2015). Any deviations from the IRM Work Plan are noted below.

3.1 GOVERNING DOCUMENTS

NYSDEC approved the IRM Work Plan on June 26, 2015. Below is a summary of additional documents which pertained to the performance of this IRM. Documentation of NYSDEC approval is included in Appendix B.

3.1.1 Site Specific Health & Safety Plan (HASP)

All remedial work performed under this IRM was in full compliance with governmental requirements, including Site and worker safety requirements mandated by Federal OSHA. The Health and Safety Plan (HASP) was complied with for all remedial and invasive work performed at the site, and is included in Appendix C.

3.1.2 Quality Assurance Project Plan (QAPP)

The QAPP was included as Appendix A of the IRM Work Plan approved by the NYSDEC. The QAPP describes the specific policies, objectives, organization, functional activities and quality assurance/quality control activities designed to achieve the project data quality objectives. Protocols for sample collection, sample handling and storage, Chain of Custody procedures, and laboratory and field analyses are described or specifically referenced to related investigation documents.

3.1.3 Community Air Monitoring Plan (CAMP)

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The intent of the CAMP is provide a measure of protection for the downwind community (i.e., off-site

receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities.

SVOCs, primarily polycyclic aromatic hydrocarbons (PAHs) and metals were identified in soil at concentrations exceeding the Restricted Residential Soil Cleanup Objectives (RRUSCOs) at the site, including PH-5 (southerly and adjacent to the former containment area) at approximately 6-7 feet below grade. Therefore, the potential existed for both VOCs and particulates to migrate out of the work area and into the surrounding community during field activities.

VOCs were monitored at perimeter locations (upwind and downwind) of the immediate work area on a continuous basis during field activities, including excavation, segregation and stockpiling, and off-Site disposal of grossly-contaminated soil conducted between the dates of 9/28/15 and 11/10/15. The equipment was calibrated daily. The 15-minute running average concentrations calculated from the readings were compared to the levels specified below in order to determine the appropriate action.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above ambient air concentration at the upwind perimeter for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level at the downwind perimeter readily decreases (per instantaneous readings) below 5 ppm over upwind perimeter levels, work activities can resume with continued monitoring.
- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm (but less than 25 ppm) over ambient air concentration at the upwind perimeter, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over upwind perimeter levels for the 15-minute average.

- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shut down.

Particulate concentrations were monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations during all field activities. The particulate monitoring was performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action levels specified below in order to determine the appropriate action. In addition, fugitive dust migration was visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m3 above the upwind level and provided that no visible dust is migrating from the work area.
- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m3 of the upwind level and in preventing visible dust migration.

PVE Sheffler used RAE Systems MiniRAE 3000 and DustTrak™ II Aerosol Monitor 8530 instruments to measure VOC and particulate levels, respectively, and calculate 15-minute running average concentrations, which were compared to the action levels specified above in order to determine the appropriate action.

CAMP results were reported to NYSDEC and NYSDOH Project Managers and included in the Daily Field Report. A compilation of all CAMP data is included in Appendix D.

3.1.4 Community Participation Plan

The Citizen Participation Plan (CPP) describes how information about the project will be disseminated to the Community during the remedial process. As part of its obligations under the NYSDEC BCP, EFG/DRA maintains a repository for project documents and provides public notice at specified times throughout the remedial program. Public notices are provided in the form of fact sheets, which are disseminated to the Site Contact List established in the CPP and submitted to the document repository. The repository was established at Adriance Memorial Library, 93 East Market Street, Poughkeepsie, New York.

In June 2015, EFG/DRA submitted a fact sheet summarizing the results of the remedial investigation and outlining next steps in the remediation of the site to the repository and sent it to the Site Contact List.

3.2 REMEDIAL PROGRAM ELEMENTS

3.2.1 Contractors and Consultants

PVE, LLC, retained subcontractor specialists for services relating to contaminated soil excavation, disposal and laboratory/analytical services. Subcontractors included the following:

- Corewood Ventures, Poughkeepsie, New York, for the excavation of soil, installation of the temporary water line, and rerouting of the new water line.
- Clean Earth of Carteret, Carteret, New Jersey, for the transportation and off-site disposal of petroleum contaminated materials.
- Envirotest Laboratories, Inc., Newburgh, New York, for the chemical analysis of waste characterization samples, soil re-use samples, and end point samples.
- Buckner Waste Oil Service and Industrial Tank Cleaning, Inc., for the disposal of contaminated groundwater.
- LRC Group, Poughkeepsie, New York, for surveying of the Town of Poughkeepsie water supply line, preparing temporary routing plan during excavation, and preparing re-routing

plans post-excavation. LRC Group was the certifying Engineer of Record responsible for inspection of the work, PVE, LLC is the engineer of record for inspection of the soil remediation component.

Excavation around the water line was performed in accordance with requirements of the Town of Poughkeepsie Water Department and Dutchess County Department of Health.

3.2.2 Site Preparation

PVE Sheffler and its subcontractors mobilized necessary materials and equipment to the Site to perform field activities on an as need basis.

Excavation of the contaminated area required the temporary rerouting of the Town of Poughkeepsie water line outside of the excavation area. Surveying and engineering of the temporary water line and rerouting was performed by Corewood Ventures, LLC and LRC Group.

3.2.3 General Site Controls

Observations of site remedial work were documented and recorded by PVE, LLC in dedicated field notebooks, on sampling forms, and in photographs. A bill of lading, ticket, or non-hazardous manifest was generated for each load of soil that was transported from the Site.

Access to the Site was restricted and general Site security was maintained through perimeter fencing and the main security gate in the southwest corner of the Site. The main security gate was manned with dedicated security personnel at times when the gates were not locked. Site security incidents were not encountered during implementation of the IRM Work Plan.

During excavations, field screening for evidence of contamination (e.g., odors, staining, elevated PID measurements) was conducted to ensure proper segregation of grossly-contaminated soil. Overlying soil from the former tank containment area, which wasn't deemed grossly-contaminated based on field screening, was segregated and stockpiled on the eastern half of a sealed tennis court area located approximately 300-400 feet west of the excavation area. This soil was presumed to meet SCOs based on analytical results assembled from samples collected during the Remedial Investigation phase, and confirmatory soil samples collected after stockpiling of the material. Soil samples from the stockpile were collected and analyzed at the frequency defined in DER-10 Table 5.4(e)10 to confirm it

appropriate for reuse as backfill in accordance with Part 375 -6.7 (d). A bermed area overlain by poly sheeting was constructed in the western half of the sealed tennis court area for stockpiling grossly-contaminated soil. Soil deemed to be grossly-contaminated was segregated and stockpiled in the designated area and covered by poly sheeting in preparation for off-Site disposal.

No problems were encountered during implementation of the IRM Work Plan.

3.2.4 Nuisance Controls

Dust, vapor, and odor control measures were instituted, as necessary, during the remedial process to ensure compliance with the CAMP and HASP and to prevent dust, vapors or odors from migrating offsite and impacting the public.

Trucks transporting materials off-site and onto public roadways were inspected prior to departure. Inspection consisted of ensuring loads were covered and free of leaking liquids. Decontamination was completed, as necessary, for all equipment leaving the site and included removal of loose soil/fill debris from truck tires and chassis. To further minimize migration of material off-Site, all work, including loading of trucks for off-site disposal, was maintained at a minimum distance of approximately 500 feet from the nearest property boundary.

3.2.5 CAMP Results

As previously discussed, air monitoring was performed during excavation activities at upwind and downwind locations of the excavation area. Air monitoring involved using RAE Systems MiniRAE 3000 and DustTrak™ II Aerosol Monitor 8530 instruments to measure VOC and particulate levels, respectively, and calculation of 15-minute running average concentrations. A compilation of all CAMP data is provided in Appendix D.

3.2.6 Reporting

Daily reports were created to document all phases of the work between September 2 and November 12, 2015, including any invasive work or handling and disposal of contaminated materials (Appendix E). Daily reports prepared by PVE Sheffler personnel included the following:

- A summary of the day's activities completed as part of the IRM work and those anticipated for the next reporting period;

- Description of any approved activity modifications, including changes of work scope and/or schedule;
- Sampling results received following internal data review and validation, as applicable; and
- Update of schedule, including unresolved delays encountered or anticipated that may affect the future schedule, and efforts made to mitigate any such delays.

Removal activities at the site involved the excavation and off-site disposal of grossly-contaminated media (as defined by DER-10) from the former fuel storage tank area within AOC-1. Excavated soil was segregated into two categories:

- **Soil not grossly-contaminated, and suitable for reuse as backfill.** Overlying soil from the former tank containment area, which wasn't grossly-contaminated based on visual observations and field screening, was segregated and stockpiled on the eastern half of the tennis court area (lined with poly-sheeting) approximately 300-400 feet west of the excavation area. This soil was presumed to meet SCOs based on results of the Remedial Investigation. Samples of this stockpile were collected and analyzed at the frequency defined in DER-10 Table 5.4(e)10 in accordance with Part 375 -6.7 (d). This stockpile of non-contaminated soil was covered by poly sheeting in preparation for re-use on-Site.
- **Grossly-Contaminated Soil.** Excavated soil from the former tank containment area which was determined to be grossly-contaminated based on visual observations or field instruments (or analytical results obtained during the Remedial Investigation) were stockpiled in a bermed area overlain by poly sheeting in the western half of the tennis court area and covered by poly sheeting in preparation for off-Site disposal.

A list of the soil cleanup objectives (SCOs) for the contaminants of concern for this project is provided in Table 1. A figure of the location where excavations were performed is shown in Figure 2.

3.2.7 Soil

Grossly-contaminated soil was excavated from an area of approximately 70 feet by 50 feet, using standard earth-moving equipment (Figure 2). Soil which was determined to meet SCOs during the Remedial Investigation from the upper 7 feet below grade were segregated and stockpiled separately. Grossly-contaminated soil was excavated to bedrock, at depths of approximately 9 to 10 feet below grade (Figures 4 & 5). The bottom of excavation ranged

between elevations of 156 and 166 feet above sea level (Figures 4 & 5). The sidewalls of the excavation were benched in accordance with standard industry practices to prevent cave-in.

Groundwater was encountered overlying bedrock at depths of approximately 8-9 feet below grade. Non-Aqueous Petroleum Liquid (NAPL) was encountered on the surface of the local groundwater. The NAPL and groundwater perched on the bedrock was removed and transported off site for disposal.

3.2.7.1 Disposal Details

On November 9 & 10, 2015, approximately 475 cubic yards (716.7 tons) of non-hazardous petroleum-impacted soil was transported off-site for disposal at Clean Earth of Carteret in Carteret, New Jersey. Samples were collected from the stockpile of grossly-contaminated soil, analyzed in accordance with the disposal facility's permit requirements, and disposed of off -site in accordance with all applicable rules and regulations. A soil disposal log is included in Appendix F, which depicts the total quantities of material removed from the Site and the transporter's name and license plate number. Soil analytical data submitted for waste characterization are included in Appendix G. Manifests and disposal receipts are included in Appendix H.

3.2.7.2 On-Site Reuse

On October 26, 2015, approximately 600 cubic yards (approximately 900 tons) of soil was re-used on-site for backfilling the excavation area. The total quantity of material re-used is estimated by volume calculations based on before-excavation and after-excavation topography, as depicted in Figures 4, 5, 6, and 7.

Soil sampling of the excavation area was conducted in 2014 as part of the Remedial Investigation. Additional samples were collected and analyzed at the frequency defined in DER-10 Table 5.4(e)10 to confirm it appropriate for reuse as backfill in accordance with Part 375 -6.7 (d).

A total of 7 soil samples were collected, including 5 grab samples and 2 composite samples. Analytical findings are summarized below. A complete summary of analytical results are presented in Tables 2A and 2B.

Contaminants Detected at Concentrations Exceeding RRSCOs

- Contaminants were detected at concentrations exceeding RRSCOs in 1 of 2 composite

soil samples and none of the 5 grab samples (VOCs).

- Benzo (b)fluoranthene, was detected at 1.9 mg/kg, exceeding RRSCO of 1.0 mg/kg
- Arsenic, was detected at 22 mg/kg, exceeding the RRSCO of 16 mg/kg.

Contaminants Detected at Concentrations Exceeding Protection of Groundwater Resources

- Three contaminants were detected at concentrations exceeding Protection of Groundwater Resources (PGWR) criteria in 1 of 2 composite soil samples:
  - Benzo(b)fluoranthene was detected in 1 composite sample exceeding the PGWR criteria of 1.7 mg/kg, at a concentration of 1.9 mg/kg;
  - Chrysene was detected in 1 composite sample exceeding the PGWR criteria of 1.0 mg/kg, at a concentration of 1.1 mg/kg;
  - Arsenic was detected in 1 composite sample exceeding the PGWR criteria of 16 mg/kg, at a concentration of 22 mg/kg.
- One contaminant was detected at concentrations exceeding PGWR criteria in 1 of 5 grab soil samples:
  - Acetone was detected in 1 grab sample exceeding the PGWR criteria of 0.05 mg/kg, at a concentration of 0.082 mg/kg;

The soil was deemed appropriate for re-use based upon the following rationale:

- Exceedances were considered to be negligible and were reviewed with NYSDEC;
- Contaminants detected in composite and grab samples outlined above were not detected in groundwater samples during the 2014 Remedial Investigation from within and around the former tank area;
- Post-construction use of groundwater will not exist because the area is served by public water.
- Soil samples collected during the 2014 Remedial Investigation identified similar concentrations of the above-listed compounds in soil samples collected outside of the excavation area, indicating that re-used soil is comparable with general soil quality in AOC-1;

- Trucking and off-site disposal of the soil, in addition to import of additional soil for backfilling, would have resulted in an unnecessary increase in disposal cost for a negligible benefit to the environment.

3.2.8 Groundwater

3.2.8.1 Disposal Details

On October 1 & 2, 2015, approximately 1,900 gallons of water contaminated with #6 fuel oil was transported for off-site disposal in accordance with all applicable rules and regulations. An invoice from the disposal contractor is included in Appendix J.

3.3 REMEDIAL PERFORMANCE/DOCUMENTATION SAMPLING

3.3.1 Post-Excavation/End Point Soil Sample Results

Excavation drawings within the approved IRM Work Plan were used as a model for soil excavations and end-point confirmatory samples. Post-excavation end-point soil samples were collected in accordance with the frequency and procedures established in DER-10, where soil was remaining along the sidewalls and bottom of the excavation. A total of 5 end-point samples were collected.

Excavation endpoint samples were collected under the following conditions:

- One sample collected from the bottom of each sidewall for every 30 and/or 50 linear feet of sidewall. Confirmatory soil samples were not collected when excavations extended to buildings and retaining walls.
- Only one sample (PE-03) was collected from the bottom of the excavation due to shallow bedrock depths throughout the majority of the excavation area. Overlying unconsolidated material was removed to bedrock throughout the entire excavation area, except in the direct vicinity of PE-03. See the attached photo-log in Appendix E.

Samples collected were retained in laboratory-provided glassware and delivered to EnviroTest Laboratories, Inc. for analysis of VOCs and SVOCs via USEPA Method 8260 and

8270, respectively. No VOCs or SVOCs were detected at concentrations exceeding the site-specific SCOs.

Full results from end point soil analysis are available in Appendix K, and a table and figure summarizing all end-point sampling is included in Table 3 and Figure 3, respectively.

3.4 IMPORTED BACKFILL

A cumulative total of approximately 400 cubic yards (613.52 tons) of recycled concrete aggregate (RCA), #2 washed stone, and #1 washed stone was used to backfill the excavation following removal of the contaminated soil. The breakdown of backfill materials is as follows:

- Approximately 50 cubic yards (102.06 tons) of #2 Washed Stone from Dutchess Quarry & Supply were used for backfilling over exposed groundwater in the excavation area.
- Approximately 20 cubic yards (43.11 tons) of #1 Washed Stone from Dutchess Quarry & Supply were used for backfilling around the newly installed waterline.
- Approximately 300 cubic yards (468.35-tons) of RCA (containing less than 10% by weight material which would pass through a size 80 sieve) from Recycle Depot were used for construction of the 2-foot minimum cap to overlie reused soil in the entire excavation area.

All imported backfill was imported via tri-axle dump trucks and dumped directly at the excavation area. In accordance with DER-10, and in consultation with and approval by the NYSDEC project manager, the imported material was approved for import without chemical testing since it contains less than 10% by weight material that would pass through a size 80 sieve and originated from a NYSDEC-permitted mine or quarry.

Appendix L includes the backfill materials documentation, including the RCA sieve analysis results.

3.5 SOIL COVER SYSTEM

Following excavation and stockpiling activities, the open excavation was backfilled as follows:

- Firstly, #2 Washed Stone was used for backfilling over exposed groundwater in the excavation area.
- Secondly, soil stockpiled and sampled for re-use was used to continue backfilling the excavation back to original grade.
- Thirdly, the new waterline was installed, during which #1 Washed Stone was used for backfilling around the pipe run.
- Lastly, the excavation area was returned to original grade with RCA (with less than 10% able to pass through a size 80 sieve) at a minimum thickness of 2 feet over the excavation area. This RCA layer forms a soil cover system that effectively prevents exposure to remaining contamination in soil/fill at the site. Figure 2 shows the excavation area over which the RCA was installed following backfilling of the re-used soil. Figures 5 & 6 show as-built conditions following installation of the soil cover system.

3.6 OTHER ENGINEERING & INSTITUITIONAL CONTROLS

This IRM site did not require the construction of any other engineering control systems.

3.7 DEVIATIONS FROM THE IRM WORK PLAN

There were no deviations from the NYSDEC-approved IRM Work Plan.

Table 1:

Site-specific Soil Cleanup Objectives (SCOs)

Table 375-6.8(b): Restricted Use Soil Cleanup Objectives

Contaminant	CAS Number	Protection of Public Health				Protection of Ecological Resources	Protection of Ground-water
		Residential	Restricted-Residential	Commercial	Industrial		
Metals							
Arsenic	7440-38-2	16[f]	16[f]	16[f]	16[f]	13[f]	16[f]
Barium	7440-39-3	350[f]	400	400	10,000 [d]	433	820
Beryllium	7440-41-7	14	72	590	2,700	10	47
Cadmium	7440-43-9	2.5[f]	4.3	9.3	60	4	7.5
Chromium, hexavalent [h]	18540-29-9	22	110	400	800	1[e]	19
Chromium, trivalent [h]	16065-83-1	36	180	1,500	6,800	41	NS
Copper	7440-50-8	270	270	270	10,000 [d]	50	1,720
Total Cyanide [h]		27	27	27	10,000 [d]	NS	40
Lead	7439-92-1	400	400	1,000	3,900	63[f]	450
Manganese	7439-96-5	2,000[f]	2,000[f]	10,000 [d]	10,000 [d]	1600[f]	2,000[f]
Total Mercury		0.81[j]	0.81[j]	2.8[j]	5.7[j]	0.18[f]	0.73
Nickel	7440-02-0	140	310	310	10,000 [d]	30	130
Selenium	7782-49-2	36	180	1,500	6,800	3.9[f]	4[f]
Silver	7440-22-4	36	180	1,500	6,800	2	8.3
Zinc	7440-66-6	2200	10,000 [d]	10,000 [d]	10,000 [d]	109[f]	2,480
PCBs/Pesticides							
2,4,5-TP Acid (Silvex)	93-72-1	58	100[a]	500[b]	1,000[c]	NS	3.8
4,4’-DDE	72-55-9	1.8	8.9	62	120	0.0033 [e]	17
4,4’-DDT	50-29-3	1.7	7.9	47	94	0.0033 [e]	136
4,4’- DDD	72-54-8	2.6	13	92	180	0.0033 [e]	14
Aldrin	309-00-2	0.019	0.097	0.68	1.4	0.14	0.19
alpha-BHC	319-84-6	0.097	0.48	3.4	6.8	0.04[g]	0.02
beta-BHC	319-85-7	0.072	0.36	3	14	0.6	0.09
Chlordane (alpha)	5103-71-9	0.91	4.2	24	47	1.3	2.9

Table 375-6.8(b): Restricted Use Soil Cleanup Objectives

Contaminant	CAS Number	Protection of Public Health				Protection of Ecological Resources	Protection of Ground-water
		Residential	Restricted-Residential	Commercial	Industrial		
delta-BHC	319-86-8	100[a]	100[a]	500[b]	1,000[c]	0.04[g]	0.25
Dibenzofuran	132-64-9	14	59	350	1,000[c]	NS	210
Dieldrin	60-57-1	0.039	0.2	1.4	2.8	0.006	0.1
Endosulfan I	959-98-8	4.8[i]	24[i]	200[i]	920[i]	NS	102
Endosulfan II	33213-65-9	4.8[i]	24[i]	200[i]	920[i]	NS	102
Endosulfan sulfate	1031-07-8	4.8[i]	24[i]	200[i]	920[i]	NS	1,000[c]
Endrin	72-20-8	2.2	11	89	410	0.014	0.06
Heptachlor	76-44-8	0.42	2.1	15	29	0.14	0.38
Lindane	58-89-9	0.28	1.3	9.2	23	6	0.1
Polychlorinated biphenyls	1336-36-3	1	1	1	25	1	3.2
Semivolatiles							
Acenaphthene	83-32-9	100[a]	100[a]	500[b]	1,000[c]	20	98
Acenapthylene	208-96-8	100[a]	100[a]	500[b]	1,000[c]	NS	107
Anthracene	120-12-7	100[a]	100[a]	500[b]	1,000[c]	NS	1,000[c]
Benz(a)anthracene	56-55-3	1[f]	1[f]	5.6	11	NS	1[f]
Benzo(a)pyrene	50-32-8	1[f]	1[f]	1[f]	1.1	2.6	22
Benzo(b)fluoranthene	205-99-2	1[f]	1[f]	5.6	11	NS	1.7
Benzo(g,h,i)perylene	191-24-2	100[a]	100[a]	500[b]	1,000[c]	NS	1,000[c]
Benzo(k)fluoranthene	207-08-9	1	3.9	56	110	NS	1.7
Chrysene	218-01-9	1[f]	3.9	56	110	NS	1[f]
Dibenz(a,h)anthracene	53-70-3	0.33[e]	0.33[e]	0.56	1.1	NS	1,000[c]
Fluoranthene	206-44-0	100[a]	100[a]	500[b]	1,000[c]	NS	1,000[c]
Fluorene	86-73-7	100[a]	100[a]	500[b]	1,000[c]	30	386
Indeno(1,2,3-cd)pyrene	193-39-5	0.5[f]	0.5[f]	5.6	11	NS	8.2
m-Cresol	108-39-4	100[a]	100[a]	500[b]	1,000[c]	NS	0.33[e]
Naphthalene	91-20-3	100[a]	100[a]	500[b]	1,000[c]	NS	12

Table 375-6.8(b): Restricted Use Soil Cleanup Objectives

Contaminant	CAS Number	Protection of Public Health				Protection of Ecological Resources	Protection of Ground-water
		Residential	Restricted-Residential	Commercial	Industrial		
o-Cresol	95-48-7	100[a]	100[a]	500[b]	1,000[c]	NS	0.33[e]
p-Cresol	106-44-5	34	100[a]	500[b]	1,000[c]	NS	0.33[e]
Pentachlorophenol	87-86-5	2.4	6.7	6.7	55	0.8[e]	0.8[e]
Phenanthrene	85-01-8	100[a]	100[a]	500[b]	1,000[c]	NS	1,000[c]
Phenol	108-95-2	100[a]	100[a]	500[b]	1,000[c]	30	0.33[e]
Pyrene	129-00-0	100[a]	100[a]	500[b]	1,000[c]	NS	1,000[c]
Volatiles							
1,1,1-Trichloroethane	71-55-6	100[a]	100[a]	500[b]	1,000[c]	NS	0.68
1,1-Dichloroethane	75-34-3	19	26	240	480	NS	0.27
1,1-Dichloroethene	75-35-4	100[a]	100[a]	500[b]	1,000[c]	NS	0.33
1,2-Dichlorobenzene	95-50-1	100[a]	100[a]	500[b]	1,000[c]	NS	1.1
1,2-Dichloroethane	107-06-2	2.3	3.1	30	60	10	0.02[f]
cis-1,2-Dichloroethene	156-59-2	59	100[a]	500[b]	1,000[c]	NS	0.25
trans-1,2-Dichloroethene	156-60-5	100[a]	100[a]	500[b]	1,000[c]	NS	0.19
1,3-Dichlorobenzene	541-73-1	17	49	280	560	NS	2.4
1,4-Dichlorobenzene	106-46-7	9.8	13	130	250	20	1.8
1,4-Dioxane	123-91-1	9.8	13	130	250	0.1[e]	0.1[e]
Acetone	67-64-1	100[a]	100[b]	500[b]	1,000[c]	2.2	0.05
Benzene	71-43-2	2.9	4.8	44	89	70	0.06
Butylbenzene	104-51-8	100[a]	100[a]	500[b]	1,000[c]	NS	12
Carbon tetrachloride	56-23-5	1.4	2.4	22	44	NS	0.76
Chlorobenzene	108-90-7	100[a]	100[a]	500[b]	1,000[c]	40	1.1
Chloroform	67-66-3	10	49	350	700	12	0.37
Ethylbenzene	100-41-4	30	41	390	780	NS	1
Hexachlorobenzene	118-74-1	0.33[e]	1.2	6	12	NS	3.2
Methyl ethyl ketone	78-93-3	100[a]	100[a]	500[b]	1,000[c]	100[a]	0.12

Table 375-6.8(b): Restricted Use Soil Cleanup Objectives

Contaminant	CAS Number	Protection of Public Health				Protection of Ecological Resources	Protection of Ground-water
		Residential	Restricted-Residential	Commercial	Industrial		
Methyl tert-butyl ether	1634-04-4	62	100[a]	500[b]	1,000[c]	NS	0.93
Methylene chloride	75-09-2	51	100[a]	500[b]	1,000[c]	12	0.05
n-Propylbenzene	103-65-1	100[a]	100[a]	500[b]	1,000[c]	NS	3.9
sec-Butylbenzene	135-98-8	100[a]	100[a]	500[b]	1,000[c]	NS	11
tert-Butylbenzene	98-06-6	100[a]	100[a]	500[b]	1,000[c]	NS	5.9
Tetrachloroethene	127-18-4	5.5	19	150	300	2	1.3
Toluene	108-88-3	100[a]	100[a]	500[b]	1,000[c]	36	0.7
Trichloroethene	79-01-6	10	21	200	400	2	0.47
1,2,4-Trimethylbenzene	95-63-6	47	52	190	380	NS	3.6
1,3,5- Trimethylbenzene	108-67-8	47	52	190	380	NS	8.4
Vinyl chloride	75-01-4	0.21	0.9	13	27	NS	0.02
Xylene (mixed)	1330-20-7	100[a]	100[a]	500[b]	1,000[c]	0.26	1.6

All soil cleanup objectives (SCOs) are in parts per million (ppm).
NS=Not specified.

Table 2A:

VOCs in Soil Re-used as Backfill

TABLE 2A: VOCs in Re-used Soil

AOC-1 - Powerhouse - Interim Remedial Measure (IRM) - Excavation and Disposal of Petroleum Contaminated Soil

Hudson River Psychiatric Center - North BCP Site, Poughkeepsie, NY

PVE, LLC File #560909

						Date Sampled	10/2/2015			10/2/2015			10/2/2015			10/2/2015			10/2/2015		
						Location	SP-01 20151002			SP-02 20151002			SP-03 20151002			SP-04 20151002			SP-05 20151002		
						Sample ID	SP-01 20151002			SP-02 20151002			SP-03 20151002			SP-04 20151002			SP-05 20151002		
Method	Analyte	CAS RN	PGWR	RRSCOs	Unit		Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q
SW8260	1,1,1-Trichloroethane	71-55-6	0.68	100	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0012	mg/kg	U
SW8260	1,1-Dichloroethane	75-34-3	0.27	26	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0012	mg/kg	U
SW8260	1,1-Dichloroethene	75-35-4	0.33	100	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0012	mg/kg	U
SW8260	1,2,4-Trimethylbenzene	95-63-6	3.6	52	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	0.002	mg/kg	
SW8260	1,2-Dichlorobenzene	95-50-1	1.1	100	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0012	mg/kg	U
SW8260	1,2-Dichloroethane	107-06-2	0.02	3.1	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0012	mg/kg	U
SW8260	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	8.4	52	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	0.0004	mg/kg	J
SW8260	1,3-Dichlorobenzene	541-73-1	2.4	49	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0012	mg/kg	U
SW8260	1,4-Dichlorobenzene	106-46-7	1.8	13	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0012	mg/kg	U
SW8260	1,4-Dioxane (P-Dioxane)	123-91-1	0.1	13	mg/kg		ND< 0.0017	mg/kg	U	ND< 0.0017	mg/kg	U	ND< 0.0016	mg/kg	U	ND< 0.0017	mg/kg	U	ND< 0.0017	mg/kg	U
SW8260	Acetone	67-64-1	**0.05**	100	mg/kg		ND< 0.0056	mg/kg	U	ND< 0.0056	mg/kg	U	ND< 0.0053	mg/kg	U	0.043	mg/kg		**0.082**	**mg/kg**	
SW8260	Benzene	71-43-2	0.06	4.8	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0012	mg/kg	U
SW8260	Carbon Tetrachloride	56-23-5	0.76	2.4	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0012	mg/kg	U
SW8260	Chlorobenzene	108-90-7	1.1	100	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0012	mg/kg	U
SW8260	Chloroform	67-66-3	0.37	49	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0012	mg/kg	U
SW8260	Cis-1,2-Dichloroethylene	156-59-2	0.25	100	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0012	mg/kg	U
SW8260	Ethylbenzene	100-41-4	1	41	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	0.00038	mg/kg	J	0.00039	mg/kg	J	0.00068	mg/kg	J
SW8260	Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.12	100	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0012	mg/kg	U
SW8260	Methyl Tert-Butyl Ether (MTBE)	1634-04-4	0.93	100	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0012	mg/kg	U
SW8260	Methylene Chloride	75-09-2	0.05	100	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0012	mg/kg	U
SW8260	N-Butylbenzene	104-51-8	12	100	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	0.0011	mg/kg	J
SW8260	N-Propylbenzene	103-65-1	3.9	100	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0012	mg/kg	U
SW8260	Sec-Butylbenzene	135-98-8	11	100	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	0.0007	mg/kg	J
SW8260	T-Butylbenzene	98-06-6	5.9	100	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0012	mg/kg	U
SW8260	Tetrachloroethylene (PCE)	127-18-4	1.3	19	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0012	mg/kg	U
SW8260	Toluene	108-88-3	0.7	100	mg/kg		0.00052	mg/kg	J	ND< 0.0011	mg/kg	U	0.00099	mg/kg	J	0.00091	mg/kg	J	0.0014	mg/kg	
SW8260	Trans-1,2-Dichloroethene	156-60-5	0.19	100	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0012	mg/kg	U
SW8260	Trichloroethylene (TCE)	79-01-6	0.47	21	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0012	mg/kg	U
SW8260	Vinyl Chloride	75-01-4	0.02	0.9	mg/kg		ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0011	mg/kg	U	ND< 0.0012	mg/kg	U
SW8260	Xylenes	1330-20-7	1.6	100	mg/kg		ND< 0.0022	mg/kg	U	ND< 0.0022	mg/kg	U	0.0013	mg/kg	J	0.00095	mg/kg	J	0.0029	mg/kg	

Notes:

*Standards are from 6 NYCRR Part 375 Part 375 lists of Restricted-Residential Soil Cleanup Objectives and Protection of Groundwater Resources.

Yellow shaded type designates those compounds detected at concentrations exceeding Part 375 PGWR

Orange shaded type designates those compounds detected at concentrations exceeding Part 375 RRSCO

NE = No standard established.

ND= Not detected at Method Detection Limit for sample.

U = Not detected

J = Indicates an estimated value.

Table 2B:

Metals, Pesticides, PCBs, and SVOCs in Soil Re-used as Backfill

TABLE 2B: Metals, Pesticides, PCBs, and SVOCs in Re-used Soil

AOC-1 - Powerhouse - Interim Remedial Measure (IRM) - Excavation and Disposal of Petroleum Contaminated Soil

Hudson River Psychiatric Center - North BCP Site, Poughkeepsie, NY

PVE, LLC File #560909

					Date Sampled	10/2/2015			10/2/2015		
					Location	SP-COMP 01 20151002			SP-COMP 02 20151002		
					Sample ID	SP-Comp 01 20151002			SP-Comp 02 20151002		
Method	Analyte	CAS RN	PGWR	RRSCOs	Unit	Result	Unit	Q	Result	Unit	Q
SM2540B	Solids, Percent	SOLID				100000000	mg/kg		100000000	mg/kg	
SW6010	Antimony	7440-36-0				ND< 14	mg/kg	U	ND< 14	mg/kg	U
SW6010	Arsenic	7440-38-2	**16**	**16**	mg/kg	16	mg/kg		**22**	**mg/kg**	
SW6010	Beryllium	7440-41-7	47	72	mg/kg	ND< 1.2	mg/kg	U	ND< 1.2	mg/kg	U
SW6010	Cadmium	7440-43-9	7.5	4.3	mg/kg	ND< 1.2	mg/kg	U	ND< 1.2	mg/kg	U
SW6010	Chromium, Total	7440-47-3		290	mg/kg	16	mg/kg		17	mg/kg	
SW6010	Copper	7440-50-8	1720	270	mg/kg	36	mg/kg		51	mg/kg	
SW6010	Lead	7439-92-1	450	400	mg/kg	53	mg/kg		69	mg/kg	
SW6010	Nickel	7440-02-0	130	310	mg/kg	26	mg/kg		32	mg/kg	
SW6010	Selenium	7782-49-2	4	180	mg/kg	ND< 2.4	mg/kg	U	ND< 2.3	mg/kg	U
SW6010	Silver	7440-22-4	8.3	180	mg/kg	ND< 2.4	mg/kg	U	ND< 2.3	mg/kg	U
SW6010	Thallium	7440-28-0				ND< 2.4	mg/kg	U	ND< 2.3	mg/kg	U
SW6010	Zinc	7440-66-6	2480	10000	mg/kg	86	mg/kg		130	mg/kg	
SW7471B	Mercury	7439-97-6	0.73	0.81	mg/kg	0.078	mg/kg		0.1	mg/kg	
SW8081	Aldrin	309-00-2	0.19	0.097	mg/kg	ND< 0.00066	mg/kg	U	ND< 0.00065	mg/kg	U
SW8081	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	0.02	0.48	mg/kg	ND< 0.0022	mg/kg	U	ND< 0.0022	mg/kg	U
SW8081	Alpha Chlordane	5103-71-9	2.9	4.2	mg/kg	ND< 0.0009	mg/kg	U	ND< 0.00088	mg/kg	U
SW8081	Alpha Endosulfan	959-98-8	102	24	mg/kg	ND< 0.00054	mg/kg	U	ND< 0.00053	mg/kg	U
SW8081	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.09	0.36	mg/kg	ND< 0.00075	mg/kg	U	ND< 0.00074	mg/kg	U
SW8081	Beta Endosulfan	33213-65-9	102	24	mg/kg	ND< 0.0012	mg/kg	U	ND< 0.0012	mg/kg	U
SW8081	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	0.25	100	mg/kg	ND< 0.001	mg/kg	U	ND< 0.001	mg/kg	U
SW8081	Dieldrin	60-57-1	0.1	0.2	mg/kg	ND< 0.0014	mg/kg	U	ND< 0.0014	mg/kg	U
SW8081	Endosulfan Sulfate	1031-07-8	1000	24	mg/kg	ND< 0.0014	mg/kg	U	ND< 0.0014	mg/kg	U
SW8081	Endrin	72-20-8	0.06	11	mg/kg	ND< 0.0019	mg/kg	U	0.0084	mg/kg	
SW8081	Gamma Bhc (Lindane)	58-89-9	0.1	1.3	mg/kg	ND< 0.0024	mg/kg	U	ND< 0.0024	mg/kg	U
SW8081	Heptachlor	76-44-8	0.38	2.1	mg/kg	ND< 0.00053	mg/kg	U	ND< 0.00052	mg/kg	U
SW8081	P,P'-DDD	72-54-8	14	13	mg/kg	ND< 0.0011	mg/kg	U	ND< 0.001	mg/kg	U
SW8081	P,P'-DDE	72-55-9	17	8.9	mg/kg	ND< 0.00086	mg/kg	U	0.0058	mg/kg	
SW8081	P,P'-DDT	50-29-3	136	7.9	mg/kg	0.0081	mg/kg		0.016	mg/kg	
SW8082	PCB-1016 (Aroclor 1016)	12674-11-2				ND< 0.076	mg/kg	U	ND< 0.075	mg/kg	U
SW8082	PCB-1221 (Aroclor 1221)	11104-28-2				ND< 0.076	mg/kg	U	ND< 0.075	mg/kg	U
SW8082	PCB-1232 (Aroclor 1232)	11141-16-5				ND< 0.076	mg/kg	U	ND< 0.075	mg/kg	U
SW8082	PCB-1242 (Aroclor 1242)	53469-21-9				ND< 0.076	mg/kg	U	ND< 0.075	mg/kg	U
SW8082	PCB-1248 (Aroclor 1248)	12672-29-6				ND< 0.076	mg/kg	U	ND< 0.075	mg/kg	U
SW8082	PCB-1254 (Aroclor 1254)	11097-69-1				ND< 0.076	mg/kg	U	ND< 0.075	mg/kg	U
SW8082	PCB-1260 (Aroclor 1260)	11096-82-5				ND< 0.076	mg/kg	U	ND< 0.075	mg/kg	U
SW8082	PCB-1262 (Aroclor 1262)	37324-23-5				ND< 0.076	mg/kg	U	ND< 0.075	mg/kg	U
SW8082	PCB-1268 (Aroclor 1268)	11100-14-4				ND< 0.076	mg/kg	U	ND< 0.075	mg/kg	U
SW8270	2-Methylphenol (O-Cresol)	95-48-7	0.33	100	mg/kg	ND< 0.38	mg/kg	U	ND< 0.37	mg/kg	U
SW8270	3- And 4- Methylphenol (Total)	MEPH3MEPH4				ND< 0.38	mg/kg	U	ND< 0.37	mg/kg	U
SW8270	Acenaphthene	83-32-9	98	100	mg/kg	ND< 0.38	mg/kg	U	ND< 0.37	mg/kg	U
SW8270	Acenaphthylene	208-96-8	107	100	mg/kg	ND< 0.38	mg/kg	U	0.11	mg/kg	J
SW8270	Anthracene	120-12-7	1000	100	mg/kg	0.17	mg/kg	J	0.2	mg/kg	J
SW8270	Benzo(A)Anthracene	56-55-3	1	1	mg/kg	0.53	mg/kg		1	mg/kg	
SW8270	Benzo(A)Pyrene	50-32-8	22	1	mg/kg	0.51	mg/kg		1	mg/kg	
SW8270	Benzo(B)Fluoranthene	205-99-2	**1.7**	**1**	mg/kg	0.89	mg/kg		**1.9**	**mg/kg**	
SW8270	Benzo(G,H,I)Perylene	191-24-2	1000	100	mg/kg	0.16	mg/kg	J	0.23	mg/kg	J
SW8270	Benzo(K)Fluoranthene	207-08-9	1.7	3.9	mg/kg	0.27	mg/kg	J	0.7	mg/kg	
SW8270	Chrysene	218-01-9	**1**	3.9	mg/kg	0.73	mg/kg		**1.1**	**mg/kg**	
SW8270	Dibenz(A,H)Anthracene	53-70-3	1000	0.33	mg/kg	ND< 0.38	mg/kg	U	0.083	mg/kg	J
SW8270	Dibenzofuran	132-64-9	210	59	mg/kg	0.27	mg/kg	J	0.21	mg/kg	J
SW8270	Fluoranthene	206-44-0	1000	100	mg/kg	0.99	mg/kg		1.6	mg/kg	
SW8270	Fluorene	86-73-7	386	100	mg/kg	ND< 0.38	mg/kg	U	0.1	mg/kg	J
SW8270	Hexachlorobenzene	118-74-1	3.2	1.2	mg/kg	ND< 0.38	mg/kg	U	ND< 0.37	mg/kg	U
SW8270	Indeno(1,2,3-C,D)Pyrene	193-39-5	8.2	0.5	mg/kg	0.12	mg/kg	J	0.23	mg/kg	J
SW8270	Naphthalene	91-20-3	12	100	mg/kg	0.8	mg/kg		0.53	mg/kg	
SW8270	Pentachlorophenol	87-86-5	0.8	6.7	mg/kg	ND< 2.8	mg/kg	U	ND< 2.8	mg/kg	U
SW8270	Phenanthrene	85-01-8	1000	100	mg/kg	0.9	mg/kg		1.1	mg/kg	
SW8270	Phenol	108-95-2	0.33	100	mg/kg	ND< 0.38	mg/kg	U	ND< 0.37	mg/kg	U
SW8270	Pyrene	129-00-0	1000	100	mg/kg	1.6	mg/kg		2.4	mg/kg	

Notes:

*Standards are from 6 NYCRR Part 375 Part 375 lists of Restricted-Residential Soil Cleanup Objectives and Protection of Groundwater Resources.

Yellow shaded type designates those compounds detected at concentrations exceeding Part 375 PGWR

Orange shaded type designates those compounds detected at concentrations exceeding Part 375 RRSCO

NE = No standard established.

ND= Not detected at Method Detection Limit for sample.

U = Not detected

J = Indicates an estimated value.

Table 3:

VOCs & SVOCs in Endpoint Samples

TABLE 3: VOCs and SVOCs in Endpoint Samples

AOC-1 - Powerhouse - Interim Remedial Measure (IRM) - Excavation and Disposal of Petroleum Contaminated Soil

Hudson River Psychiatric Center - North BCP Site, Poughkeepsie, NY

PVE, LLC File #560909

					Date Sampled			10/1/2015			10/1/2015			10/1/2015			10/20/2015			10/20/2015		
					Location			PE-01 20151001			PE-02 20151001			PE-03 20151001			PE-04 20151021			PE-05 20151021		
					Sample ID			PE-01 20151001			PE-02 20151001			PE-03 20151001			PE-04 20151021			PE-05 20151021		
Method	Analyte	CAS RN	RRSCOs	Unit	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q	Result	Unit	Q
SM2540B	Solids, Percent	SOLID			89	percent		85	percent		92	percent		89	percent		90	percent	
SW8260	1,2,4-Trimethylbenzene	95-63-6	52000	ug/kg	1.4	ug/kg		0.85	ug/kg	J	ND< 1.2	ug/kg	U	ND< 1.1	ug/kg	U	ND< 1	ug/kg	U
SW8260	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	52000	ug/kg	0.36	ug/kg	J	ND< 1.8	ug/kg	U	ND< 1.2	ug/kg	U	ND< 1.1	ug/kg	U	ND< 1	ug/kg	U
SW8260	Benzene	71-43-2	4800	ug/kg	ND< 1.1	ug/kg	U	ND< 1.8	ug/kg	U	ND< 1.2	ug/kg	U	ND< 1.1	ug/kg	U	ND< 1	ug/kg	U
SW8260	Cymene	99-87-6			0.66	ug/kg	J	ND< 1.8	ug/kg	U	ND< 1.2	ug/kg	U	ND< 1.1	ug/kg	U	ND< 1	ug/kg	U
SW8260	Ethylbenzene	100-41-4	41000	ug/kg	ND< 1.1	ug/kg	U	0.25	ug/kg	J	ND< 1.2	ug/kg	U	ND< 1.1	ug/kg	U	ND< 1	ug/kg	U
SW8260	Isopropylbenzene (Cumene)	98-82-8			ND< 1.1	ug/kg	U	ND< 1.8	ug/kg	U	ND< 1.2	ug/kg	U	ND< 1.1	ug/kg	U	ND< 1	ug/kg	U
SW8260	Methyl Tert-Butyl Ether (MTBE)	1634-04-4	100000	ug/kg	ND< 1.1	ug/kg	U	ND< 1.8	ug/kg	U	ND< 1.2	ug/kg	U	ND< 1.1	ug/kg	U	ND< 1	ug/kg	U
SW8260	M-P-Xylene	136777-61-2			ND< 2.3	ug/kg	U	1.1	ug/kg	J	ND< 2.5	ug/kg	U	ND< 2.1	ug/kg	U	ND< 2.1	ug/kg	U
SW8260	Naphthalene	91-20-3	100000	ug/kg	0.74	ug/kg	J	0.79	ug/kg	J	ND< 1.2	ug/kg	U	ND< 1.1	ug/kg	U	ND< 1	ug/kg	U
SW8260	N-Butylbenzene	104-51-8	100000	ug/kg	0.52	ug/kg	J	ND< 1.8	ug/kg	U	ND< 1.2	ug/kg	U	ND< 1.1	ug/kg	U	ND< 1	ug/kg	U
SW8260	N-Propylbenzene	103-65-1	100000	ug/kg	ND< 1.1	ug/kg	U	ND< 1.8	ug/kg	U	ND< 1.2	ug/kg	U	ND< 1.1	ug/kg	U	ND< 1	ug/kg	U
SW8260	O-Xylene (1,2-Dimethylbenzene)	95-47-6			ND< 2.3	ug/kg	U	0.75	ug/kg	J	ND< 2.5	ug/kg	U	ND< 2.1	ug/kg	U	ND< 2.1	ug/kg	U
SW8260	Sec-Butylbenzene	135-98-8	100000	ug/kg	0.83	ug/kg	J	0.25	ug/kg	J	ND< 1.2	ug/kg	U	ND< 1.1	ug/kg	U	ND< 1	ug/kg	U
SW8260	T-Butylbenzene	98-06-6	100000	ug/kg	ND< 1.1	ug/kg	U	ND< 1.8	ug/kg	U	ND< 1.2	ug/kg	U	ND< 1.1	ug/kg	U	ND< 1	ug/kg	U
SW8260	Toluene	108-88-3	100000	ug/kg	0.45	ug/kg	J	1.9	ug/kg		ND< 1.2	ug/kg	U	ND< 1.1	ug/kg	U	ND< 1	ug/kg	U
SW8270	Acenaphthene	83-32-9	100000	ug/kg	ND< 370	ug/kg	U	ND< 370	ug/kg	U	ND< 350	ug/kg	U	ND< 370	ug/kg	U	ND< 350	ug/kg	U
SW8270	Acenaphthylene	208-96-8	100000	ug/kg	ND< 370	ug/kg	U	ND< 370	ug/kg	U	ND< 350	ug/kg	U	ND< 370	ug/kg	U	ND< 350	ug/kg	U
SW8270	Anthracene	120-12-7	100000	ug/kg	ND< 370	ug/kg	U	ND< 370	ug/kg	U	ND< 350	ug/kg	U	ND< 370	ug/kg	U	160	ug/kg	J
SW8270	Benzo(A)Anthracene	56-55-3	1000	ug/kg	ND< 370	ug/kg	U	ND< 370	ug/kg	U	150	ug/kg	J	210	ug/kg	J	620	ug/kg	
SW8270	Benzo(A)Pyrene	50-32-8	1000	ug/kg	ND< 370	ug/kg	U	ND< 370	ug/kg	U	150	ug/kg	J	200	ug/kg	J	370	ug/kg	
SW8270	Benzo(B)Fluoranthene	205-99-2	1000	ug/kg	ND< 370	ug/kg	U	ND< 370	ug/kg	U	190	ug/kg	J	250	ug/kg	J	720	ug/kg	
SW8270	Benzo(G,H,I)Perylene	191-24-2	100000	ug/kg	ND< 370	ug/kg	U	ND< 370	ug/kg	U	ND< 350	ug/kg	U	79	ug/kg	J	120	ug/kg	J
SW8270	Benzo(K)Fluoranthene	207-08-9	3900	ug/kg	ND< 370	ug/kg	U	ND< 370	ug/kg	U	71	ug/kg	J	94	ug/kg	J	270	ug/kg	J
SW8270	Chrysene	218-01-9	3900	ug/kg	ND< 370	ug/kg	U	ND< 370	ug/kg	U	200	ug/kg	J	310	ug/kg	J	680	ug/kg	
SW8270	Dibenz(A,H)Anthracene	53-70-3	330	ug/kg	ND< 370	ug/kg	U	ND< 370	ug/kg	U	ND< 350	ug/kg	U	ND< 370	ug/kg	U	ND< 350	ug/kg	U
SW8270	Fluoranthene	206-44-0	100000	ug/kg	ND< 370	ug/kg	U	ND< 370	ug/kg	U	210	ug/kg	J	280	ug/kg	J	660	ug/kg	
SW8270	Fluorene	86-73-7	100000	ug/kg	ND< 370	ug/kg	U	ND< 370	ug/kg	U	ND< 350	ug/kg	U	ND< 370	ug/kg	U	ND< 350	ug/kg	U
SW8270	Indeno(1,2,3-C,D)Pyrene	193-39-5	500	ug/kg	ND< 370	ug/kg	U	ND< 370	ug/kg	U	ND< 350	ug/kg	U	ND< 370	ug/kg	U	120	ug/kg	J
SW8270	Naphthalene	91-20-3	100000	ug/kg	ND< 370	ug/kg	U	ND< 370	ug/kg	U	280	ug/kg	J	710	ug/kg		860	ug/kg	
SW8270	Phenanthrene	85-01-8	100000	ug/kg	ND< 370	ug/kg	U	ND< 370	ug/kg	U	270	ug/kg	J	520	ug/kg		950	ug/kg	
SW8270	Pyrene	129-00-0	100000	ug/kg	ND< 370	ug/kg	U	ND< 370	ug/kg	U	250	ug/kg	J	420	ug/kg		1400	ug/kg	

Notes:

*Standards are from 6 NYCRR Part 375 Part 375 RRSCO list.

Yellow shaded type designates those compounds detected at concentrations exceeding Part 375 RRSCO

NE = No standard established.

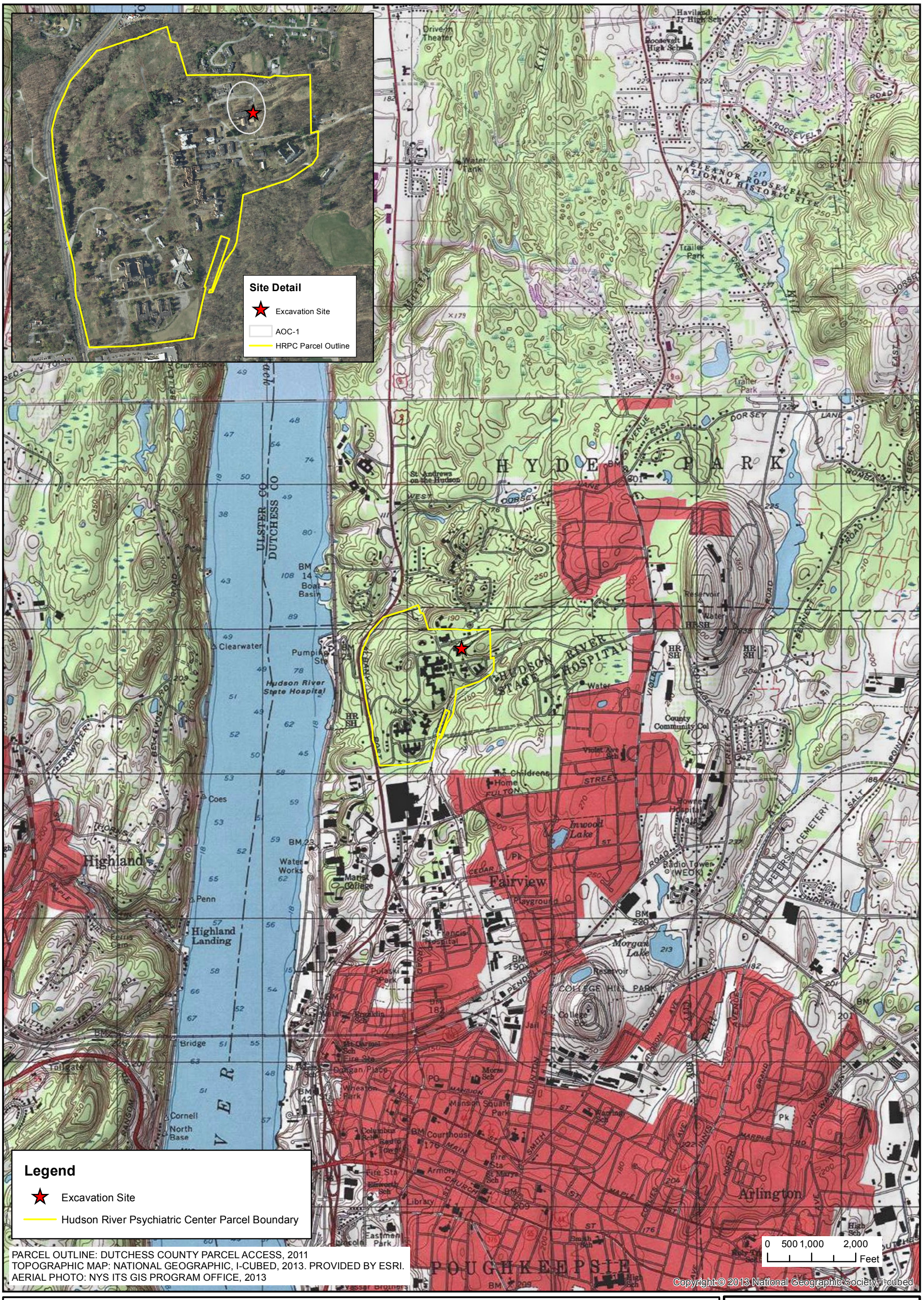
ND= Not detected at Method Detection Limit for sample.

U = Not detected

J = Indicates an estimated value.

Figure 1:

Site Location Map



SITE LOCATION MAP

AOC-1 - POWER HOUSE, HUDSON RIVER PSYCHIATRIC CENTER
TOWN OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

PVE

48 Springside Avenue
Poughkeepsie, New York 12603
Phone: (845) 454-2544
Fax: (845) 454-2655

FIGURE 1

DATE:	12/29/2015
SCALE:	As Indicated
PROJECT NUMBER:	560909

ALL LOCATIONS APPROXIMATE

Figure 2:

Excavation Area, Soil Stockpile Areas, and Community Air Monitoring Program (CAMP) Locations



EXCAVATION AREA, SOIL STOCKPILE AREAS, AND COMMUNITY AIR MONITORING PROGRAM (CAMP) LOCATIONS

AOC-1 - POWER HOUSE, HUDSON RIVER PSYCHIATRIC CENTER
TOWN OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

FIGURE 2

DATE:	02/23/2016
SCALE:	As Indicated
PROJECT NUMBER:	560909

ALL LOCATIONS APPROXIMATE

PVE
48 Springside Avenue
Poughkeepsie, New York 12603
Phone: (845) 454-2544
Fax: (845) 454-2655

Figure 3:

Excavation Area and End Point Sample Locations



EXCAVATION AREA AND END POINT SAMPLE LOCATIONS

AOC-1 - POWER HOUSE, HUDSON RIVER PSYCHIATRIC CENTER
TOWN OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

FIGURE 3

DATE:	02/18/2016
SCALE:	As Indicated
PROJECT NUMBER:	560909

ALL LOCATIONS APPROXIMATE

PVE
48 Springside Avenue
Poughkeepsie, New York 12603
Phone: (845) 454-2544
Fax: (845) 454-2655

Figure 4:

Excavation Area Before Excavation



EXCAVATION AREA BEFORE EXCAVATION

AOC-1 - POWER HOUSE, HUDSON RIVER PSYCHIATRIC CENTER
TOWN OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

FIGURE 4

DATE:	02/24/2016
SCALE:	As Indicated
PROJECT NUMBER:	560909

ALL LOCATIONS APPROXIMATE

PVE
48 Springside Avenue
Poughkeepsie, New York 12603
Phone: (845) 454-2544
Fax: (845) 454-2655

Figure 5:

Excavation Area After Excavation



EXCAVATION AREA AFTER EXCAVATION

AOC-1 - POWER HOUSE, HUDSON RIVER PSYCHIATRIC CENTER
TOWN OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

FIGURE 5

DATE:	11/05/2015
SCALE:	As Indicated
PROJECT NUMBER:	560909

ALL LOCATIONS APPROXIMATE

PVE
48 Springside Avenue
Poughkeepsie, New York 12603
Phone: (845) 454-2544
Fax: (845) 454-2655

Figure 6:

Water Line As-Built Plan

Map Notes

1. Unauthorized alteration or addition to a survey map bearing a licensed land surveyor's seal is a violation of Section 7208, Sub-Division, of the New York State Education Law.

2. Only copies from the original of this survey marked with an original of the land surveyor's seal shall be considered to be true copies.

3. The above certification shall run only to the person for whom the survey is prepared, and on his behalf to the title company, governmental agency and lending institution. Certifications are not transferable to additional institutions or subsequent owners.

4. Elevations depicted are referenced to map referenced to NAVD (National American Vertical Datum) of 1988.

5. Contours and elevation are compiled from field survey. Contour interval equals one foot.

6. No Boundary Determination Conducted As Part Of This Survey.

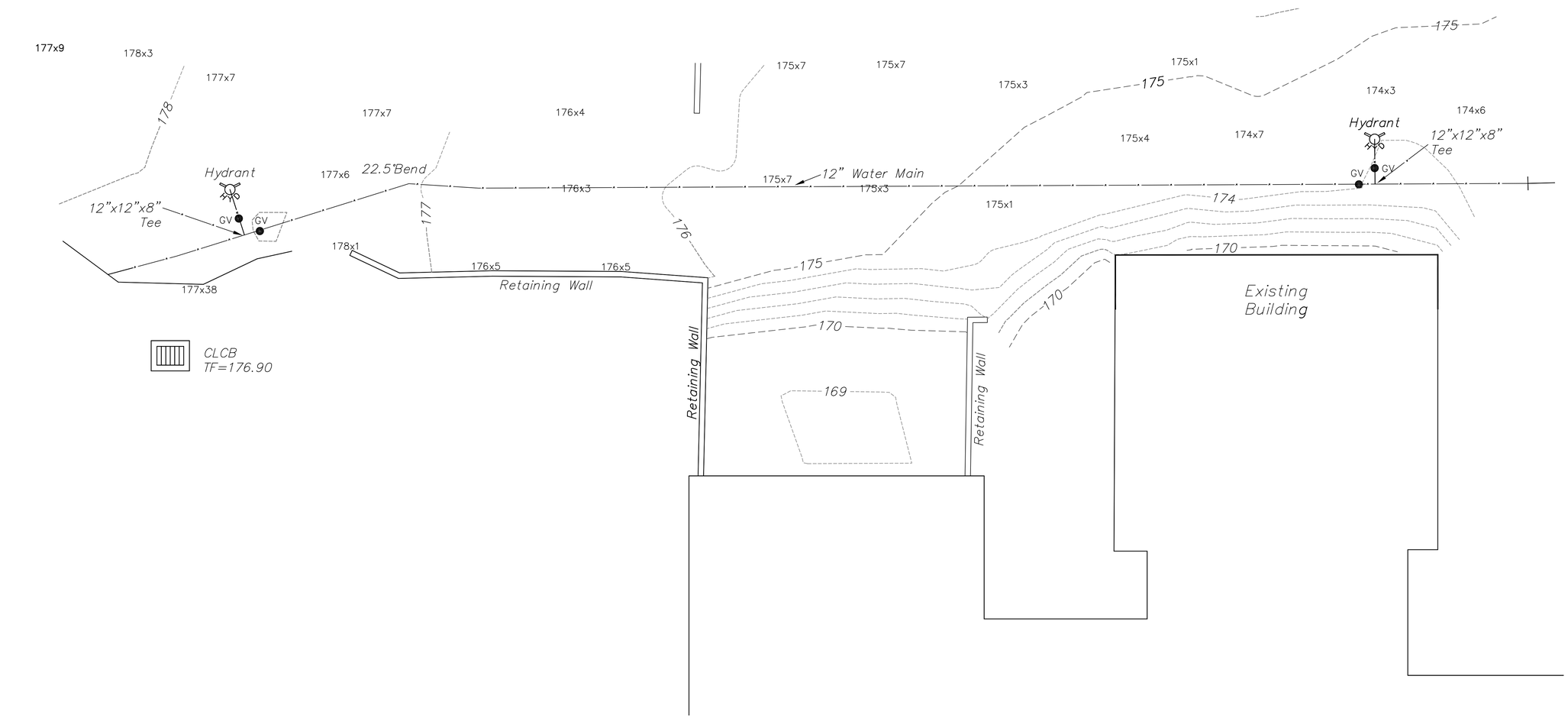
7. Reference is made to the following map(s):

   A. Map entitled "xbase-svy_81402-00" by The Chazen Companies, dated March 2014.

8. Location of all underground utilities depicted hereon are approximate and are based on field location of visible structures such as catch basins, manholes, water gates, exc. and compiling information from plans supplied by the respective utility companies and government agencies. All contractors are required by State Regulations to contact DigSafe at 1-800-962-7962 for locations and stake out of utilities prior to any excavation.

Legend

- 234x0 — Existing Spot Grades
- 200 — Index Contour
- 202 — Intermediate Contour
- GV — Water Gate Valve
- Water Main
- Hydrant
- Catch Basin
- Retaining Wall



CLCB
TF=176.90

GRAPHIC SCALE
10 5 0 10
SCALE IN FEET

Certification

I hereby declare this map to be prepared in accordance with the Code of Practice of the New York State Association of Land Surveyor's, adopted October, 1966 and revised through January 23, 1993.

John Wagenblatt, L.S. Lic. #050547

#	Date	Revisions:
1	6.18.15	revised per DOH comments

LRC GROUP
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- Civil Engineering
- Environmental Services
- Land Surveying
- Landscape Architecture

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Land Resource Consultants, Inc.
LRC Engineering and Surveying, P.C.
LRC Environmental Services, Inc.
LRC Engineering and Surveying, LLC

WATERLINE ASBUILT PLAN

PVE SHEFFLER HUDSON RIVER PSYCHIATRIC CENTER WATERLINE

TAX MAP ID# 6163-03-011149

ROUTE 9, TOWN OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

Designed	LRC	CAD File	AB1515980I	Sheet No.
Drawn	LRC	Project No.	15-1598	AB-1
Checked	LRC	Date	04/30/15	
Approved	LRC	Scale	1"=10'	

Jan 15, 2016 9:43am SCurran X:\Jobs\Jobs 2015\15-1598_PVE Sheffler\Hudson River Psychiatric Center Waterline\dwg\AB1515980I.dwg
Layout: 24x36
X:\Jobs\Jobs 2015\15-1598_PVE Sheffler\Hudson River Psychiatric Center Waterline\dwg\AB1515980I.dwg
Layout: 24x36

Figure 7:

Excavation Area And As-Built Conditions After Backfill



EXCAVATION AREA AND AS-BUILT CONDITIONS AFTER BACKFILL

AOC-1 - POWER HOUSE, HUDSON RIVER PSYCHIATRIC CENTER
TOWN OF POUGHKEEPSIE, DUTCHESS COUNTY, NEW YORK

FIGURE 7

DATE:	02/23/2016
SCALE:	As Indicated
PROJECT NUMBER:	560909

ALL LOCATIONS APPROXIMATE

PVE
48 Springside Avenue
Poughkeepsie, New York 12603
Phone: (845) 454-2544
Fax: (845) 454-2655

Appendix A:

Electronic Copy of CCR and Supporting Documentation (CD)

Appendix B:

NYSDEC Approval Documentation

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau C
625 Broadway, 11th Floor, Albany, NY 12233-7014
P: (518) 402-9662 I F: (518) 402-9679
www.dec.ny.gov

June 26, 2015

Mr. Noah Pillsbury
EFG/DRA Heritage, LLC
4601 DTC Blvd Suite 130
Denver, CO 80237-2575

Dear Mr. Pillsbury:

Re: Hudson River Psychiatric Center – North Area
Dutchess County, site no. C314121
Draft Interim Remedial Measures Work Plan (PVE Sheffler, LLC, June 09, 2015)

The New York State Department of Environmental Conservation (the Department) and the New York State Department of Health (NYSDOH) have reviewed the referenced work plan. The work plan is hereby approved with the following modification:

1) The word "draft" is deleted from the cover page, Section 5.0, Section 6.0, Section 7.0, and Section 8.0.

In accordance with the Brownfield Cleanup Agreement and 6NYCRR 375-1.6(d), please indicate within 15 days whether you accept the Department's modified work plan. Please ensure that all copies of the final work plan include this approval letter, and place copies of the work plan in the document repositories.

Please contact me with any questions via email at william.wu@dec.ny.gov, or via phone at (518) 402-9662.

Sincerely,

William Wu
Environmental Engineer 1
Remedial Bureau C
Division of Environmental Remediation

ec: G. Cross, NYSDEC
K. Kulow, NYSDOH
M. Schuck, NYSDOH

C. Brown, PVE Sheffler, LLC

Appendix C:

Health and Safety Plan (HASP)

HEALTH AND SAFETY PLAN
REVISION # 1

FORMER HUDSON RIVER PSYCHIATRIC CENTER

EFG/DRA HERITAGE, LLC

BROWNFIELD CLEANUP PROGRAM
3532 North Road
Poughkeepsie, New York 12603
NYSDEC # C314121

Prepared by: PVE Sheffler, LLC Date: December 2013

Approved by: Gerard L. Baril, CIH Date: December 2013
Health and Safety Manager

Revised by: Gerard L. Baril, CIH Date: April 2014
Health and Safety Manager

Approved by: Christopher Brown, CPG Date: _____
Project Manager

EMERGENCY REFERENCES:

Ambulance:	Notify 911
Fire:	Notify 911
Police:	Notify 911
Hospital:	**SAINT FRANCIS MEDICAL CENTER** North Road Poughkeepsie, NY 12603

Table of Contents

Page

1.0 Introduction 1
1.1 HASP Applicability 1
1.2 Organization/Responsibilities 1
1.2.1 Project Manager (PM) 2
1.2.2 Health and Safety Manager (HSM) 2
1.2.3 Site Safety Officer (SSO) 2
1.2.4 Field Personnel and Covered Subcontractor Personnel 3
1.2.5 Contractors 3
1.3 Modification of this HASP 3

2.0 Site Description and History 4

3.0 Scope of Work 11

4.0 Chemical Hazard Assessment and Controls 14
4.1 Chemical Hazards 14
4.1.1 Table: Chemical Hazards of VOCs and SVOCs 14
4.1.2 Chemical Hazards of Metals of Concern 15
4.2 Chemical Exposure and Control 17
4.2.1 Activities with Chemical Exposure Potential 17
4.2.2 Potential Chemical Exposures and Exposure Action Levels 17
4.2.3 Exposures Control 18

5.0 Physical Hazards and Controls 19
5.1 Utility Hazards 19
5.1.1 Underground Utilities 19
5.1.2 Overhead Utilities 19
5.2 Traffic Concerns 19
5.3 Drilling Hazards 20
5.4 Noise Exposure 20
5.5 Back Safety 20
5.6 Electrical Safety 20
5.7 Thermal Stress 21
5.7.1 Heat Stress 21
5.7.2 Cold Stress 23

6.0 Air Monitoring 25
6.1 Monitoring Parameters and Action Levels 25
6.1 Direct Reading Instruments 26
6.1 Personal Air Sampling 26
6.2 Record Keeping 26

7.0 Personal Protective Equipment 27
7.1 Chemical Protective Clothing 27
7.2 Respiratory Protection 28
7.3 Other Safety Equipment 28

Table of Contents (cont'd.)

Page

8.0 Site Control 29
8.1 Work Zones 29
8.1.1 Exclusion Zone 29
8.1.2 Contamination Reduction Zone 29
8.1.3 Support Zone 29
8.2 Safety Practices 29

9.0 Decontamination 31
9.1 Personal Decontamination 31
9.2 Equipment Decontamination 31

10.0 Medical Monitoring and Training Requirements 32
10.1 Medical Monitoring 32
10.2 Health and Safety Training 32
10.3 Pre-Entry Briefing 32

11.0 Emergency Response 33
11.1 Employee Training 33
11.2 Alarm Systems/Emergency Signals 33
11.3 Escape Routes and Procedures 34
11.4 Rescue and Medical Duty Assignments 34
11.5 Designation of Responsible Parties 34
11.6 Employee Accounting Method 34
11.7 Accident Reporting and Investigation 34

Emergency references 35

Attachment A: HASP Receipt and Acceptance Form
Attachment B: HASP Pre-Entry Briefing Attendance Form
Attachment C: Supervisor's Accident Investigation Report Form
Attachment D: Chemical Hazard and MSDS Sheets

Figure 1: Site Location Map
Figure 2: Site Features Map
Figure 3: Route to Nearest Hospital

1.0 Introduction

1.1 HASP Applicability

This site-specific Health and Safety Plan (HASP) has been developed by PVE Sheffler, LLC and Lawrence Environmental Group LLC and establishes the health and safety procedures to minimize potential risks to personnel involved with the Remedial Investigation activities at the former Hudson River Psychiatric Center (HRPC – the Site) located at 3532 North Road, Poughkeepsie, New York. This HASP applies to all personnel potentially exposed to safety and/or health hazards related to the activities described in Section 3.0 of this document.

This HASP has been prepared to comply with the applicable requirements of the Occupational Safety and Health Administration (OSHA) Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120). Activities covered by this HASP must be conducted in complete compliance with this HASP and with all applicable Federal, State, and local health and safety regulations. Personnel covered by this HASP who cannot or will not comply will be excluded from site activities.

This HASP will be distributed to each person involved with investigative activities at the site. Each person must sign a copy of the attached HASP Receipt and Acceptance Form (see Attachment A).

1.2 Organization/Responsibilities

The implementation of health and safety at this project location will be the shared responsibility of the Project Manager (PM), the Health and Safety Manager (HSM), the Project Site Safety Officer (SSO) and all other personnel who conduct activities at the site.

- Project Manager (PM): Christopher Brown.
- Health and Safety Manager (HSM): Gerard Baril (Lawrence Environmental).
- Project Site Safety Officer (SSO): Tim Pagano.

1.2.1 Project Manager (PM)

The Project Manager (PM) has the primary responsibility for ensuring the overall health and safety of this project. As such, the PM is responsible for ensuring that the requirements of this HASP are implemented. Some of the PM's specific responsibilities include:

- Ensuring that all personnel to whom this HASP applies have received a copy of it;
- Providing the SSO with updated information regarding environmental conditions at the site and the scope of site work;
- Providing adequate authority and resources to the on-site SSO to allow for the successful implementation of all necessary safety procedures;
- Supporting the decisions made by the SSO;
- Maintaining regular communications with the SSO; and
- Coordinating the activities of all subcontractors and ensuring that they are aware of the pertinent health and safety requirements for this project.

1.2.2 Health and Safety Manager (HSM)

The Health and Safety Manager (HSM) is responsible for the preparation, interpretation and modification of this HASP. Modifications to this HASP which may result in less stringent precautions cannot be undertaken by the SSO without the approval of the HSM. Specific duties of the HSM include:

- Writing, approving and amending the HASP for this project;
- Advising the SSO on matters relating to health and safety on this site;
- Recommending appropriate personal protective equipment (PPE) and air monitoring instrumentation to protect personnel from potential site hazards; and
- Maintaining regular contact with the SSO to evaluate site conditions and new information which might require modifications to the HASP.

1.2.3 Site Safety Officer (SSO)

All field technicians are responsible for implementing the safety requirements specified in this HASP. One (1) technician will be designated to serve as the Site Safety Officer (SSO). The SSO will be appointed by the PM. The SSO will be on-site during all activities covered by this HASP. The SSO is responsible for enforcing the requirements of this HASP once work begins. The SSO has the authority to immediately correct all situations where non-compliance with this HASP is noted and to immediately stop work in cases where an immediate danger is perceived. Some of the SSO's specific responsibilities include:

- Ensuring that all personnel to whom this HASP applies have submitted a completed copy of the HASP Receipt and Acceptance Form (see Attachment A);
- Ensuring that all personnel to whom this HASP applies have attended a pre-entry briefing prior to entering the work zone;
- Maintaining a high level of health and safety consciousness among employees at the work site;
- Procuring and distributing the PPE needed for personnel involved with this project;
- Procuring the air monitoring instrumentation required and performing air monitoring for field activities;
- Verifying that all PPE and health and safety equipment is in good working order;
- Setting up and maintaining the work zones and ensuring proper cleanup of all site personnel;
- Notifying the PM of all non-compliance situations and stopping work in the event that an immediate danger situation is perceived;
- Monitoring and controlling the safety performance of all personnel within established restricted areas to ensure that required safety and health procedures are being followed;
- Conducting accident/incident investigations and preparing accident/incident investigation reports;
- Conducting the pre-entry briefing as required by Section 10.3 of this HASP; and
- Initiating emergency response procedures in accordance with Section 11.0 of this HASP.

1.2.4 Field Personnel and Covered Subcontractor Personnel

All field personnel covered by this HASP are responsible for following the health and safety procedures specified in this HASP and for performing their work in a safe and responsible manner. Some of the specific responsibilities of the field personnel are as follows:

- Reading this HASP in its entirety prior to the start of on-site work;
- Submitting a completed HASP Receipt and Acceptance Form (see Attachment A) and documentation of medical surveillance and training to the PM prior to the start of work;
- Attending the required pre-entry briefing prior to beginning on-site work;
- Bringing forth any questions or concerns regarding the content of this HASP to the PM or the SSO prior to the start of work;
- Reporting all accidents, injuries and illnesses, regardless of their severity, to the SSO; and
- Complying with the requirements of this HASP and the requests of the SSO.

1.2.5 Contractors

In addition to other requirements referenced in this HASP, all contractors are required to:

- Provide appropriate PPE for their employees;
- Ensure, via daily inspections, that their equipment is maintained in good working condition;
- Operate their equipment in a safe manner; and
- Appoint an on-site safety coordinator to interface with the SSO.

1.3 Modification of this HASP

The procedures in this HASP have been developed based on general knowledge of the site, proposed tasks, and anecdotal information from previous investigations at the site. Should additional information become available regarding potential on-site hazards, it may be necessary to modify this HASP. All proposed modifications to this HASP must be reviewed and approved by the HSM before such modifications are implemented.

Any significant modifications must be incorporated into the written document as addenda and the HASP must be re-issued. The PM will ensure that all personnel covered by this HASP receive copies of all issued addenda. Sign-off forms will accompany each addendum and must be signed by all personnel covered by the addendum. Sign-off forms will be submitted to the PM. The HASP addenda will be distributed during the regularly scheduled meetings so that they can be reviewed and discussed. Attendance forms will be collected during the meeting.

2.0 Site Description and History

Site Location and Current Usage

The Site is located at 3532 North Road in the Town of Poughkeepsie, Dutchess County, New York and is identified as Block 3and Lot 11149 on the Town of Poughkeepsie Tax Map. Figure 1 shows the Site location. The Site is approximately 156 acres and is bounded by North Road to the west and commercial property to the east. Residential properties are located to the north and commercial properties to the south. A map of the site boundary is shown in Figure 2. Currently, the Site is vacant but was previously used as the Hudson River Psychiatric Center. Previously operated hospital facilities remain, but are all vacant.

Summary of Proposed Redevelopment Plan

The EFG/DRA Heritage, LLC project is located on lands of the former New York State Hudson River Psychiatric Center in Poughkeepsie, approximately 2.5 miles south of the historic home of Franklin D. Roosevelt. Construction of the historic hospital began in 1868 with the iconic Kirkbridge-style main building, which was designated as a National Historic Landmark in 1989. The grounds were designed by the world-renown landscape architect, Fredrick Law Olmsted, and at the peak of its operation, the hospital treated over 6,000 patients. The hospital ceased to operate in the 1990s and the state divested the property in the years that followed. Over the decade since cessation of operations, the historic buildings and grounds have deteriorated, with some structures destroyed by fire.

Project plans call for the preservation of the historically significant structures and demolition of the remaining dilapidated buildings in preparation for a mixed commercial/residential development. The project is spatially divided between the northern and southern portions of the property, with the commercial center to be developed in the south and a multi-family residential development (predominantly townhomes) in the north.

Summary of Past Uses of Site and Areas of Concern (AOC)

Historically, the Site has been operated as a hospital campus, with over 50 on site buildings.

The AOCs identified for this site include:

North Area

- Car Wash and Floor Drains (B-Wing of Building 51)
- Automotive Garage and Floor Drains (Building 99)
- Power House (Building 33)
- Drum Storage Areas (Building 33 and area surrounding Building 99)

South Area

- Lead in Soil from Hazardous Materials
- Possible Underground Storage Tanks
- Possible SVOCs from Atmospheric Deposition
- Residual PCBs near former Landfill Area 6

Summary of the Work Performed Previously

The EFG/DRA Heritage, LLC property has been the subject of several episodes of environmental evaluation and physical testing. A summary of results is presented below, with copies of reports provided in Attachments 7, 8, 9, 10 and 11. While the studies identified issues of potential concern in different areas of the property, only those conditions observed/measured in the northern portion of the site (the subject of the BCP application) are elaborated upon here.

1. Previous Investigations and Reports

Available file documents include two ASTM-compliant Phase I Environmental Site Assessments (ESA), a tank closure report and a report describing focused environmental testing (Phase II assessment following the 2013 ESA). The findings documented in these reports are described below.

1996 Phase I ESA

The 1996 Phase I ESA was prepared in accordance with ASTM Standard E 1527-94 and is provided in Attachment 7. The following Recognized Environmental Conditions (RECs) were identified in the northern portion of the property (the proposed BCP site) during preparation of this Phase I ESA.

- Nine USTs were reported in this document, it is unclear how many were located on the proposed Brownfield site.

- Building 99, the former automotive repair facility, was reported to be off the subject property for this Phase I ESA. This building is actually located on the proposed Brownfield site along the northerly boundary. A floor-drain was reported in the 1996 ESA at this location, and the discharge location was unknown.

- The 1996 report indicated that lead-based paint and significant quantities of asbestos-containing materials were suspected to be present in site structures.

2011 Aboveground Storage Tank Closure Report

In January of 2011, seven aboveground fuel storage tanks (ASTs) were decommissioned and removed from the Hospital Property. The report is provided in Attachment 9. Three of these tanks were located in the immediate vicinity of the former Power House, and within the proposed Brownfield property:

- One 4,000-gallon diesel fuel AST (Tank #6-33)
- Two 126,000-gallon. #6 fuel oil ASTs (Tanks #1 and #2).

Tanks were cleaned, cut, and removed from the site for scrap metal by Scavo contracting Corp and transported to Millens Recycling of Poughkeepsie New York.

The 4,000-gallon AST was located on top of a concrete pad. No evidence of leakage or spillage was observed during decommissioning of this tank. The 126,000 gallon ASTs were removed from a diked-containment area with an earthen bottom. Soil within the containment area appeared to have been impacted with petroleum. A spill was reported to NYSDEC on January 28, 2011, and file # 1011010 was assigned. Samples of surface soil were collected from each tank area and analyzed for the STARs lists of

volatile and semi-volatile organic compound (VOCs and SVOCs). Analytical results are presented in Attachment 8. Soil samples contained VOCs and SVOCs at concentrations exceeding applicable standards, results are summarized below. The spill was closed by NYSDEC on August 11, 2011, as "closed – not meeting standards".

Sample (T-1)

1,2,4-Trimethylbenzene	9,600 ug/kg
Total Xylenes	1,300 ug/kg
Chrysene	2,500 ug/kg

Sample (T-2)
No VOCs or SVOCs Detected

2013 Phase I ESA

The 2013 Phase I ESA was prepared by PSI and in accordance with ASTM Standard E-1527-05 and is provided in Attachment 9. The following RECs were reported in the 2013 ESA:

- A plugged floor drain was observed in bottom of the concrete service pit at the auto garage (Building 99). Some staining was observed on the pit floor and the discharge location of this drain was not known.

- Multiple drains were observed in the car-wash bay in B-Wing in Main Building (Building 51). The discharge point of these drains was not known.

- A coal storage pile was previously present adjacent to the former Power House (Building 33). Coal storage piles have the potential leach heavy metals into the underlying soil and groundwater and can potentially contaminate storm water.

- The previous 1996 Phase I ESA identified an area of stained surface soil and approximately 15 waste oil drums within the storage sheds surrounding Building 33. This area was not accessible during the inspection for the 2013 ESA, however the preparer of the document indicates the drums had been removed. The stained soil from the previous ESA was considered to be a REC.

Two petroleum spills were reported in the 2013 ESA as being listed as "closed – not meeting standards". This designation is applied by NYSDEC to spill locations where contaminants are present in soil and/or groundwater at concentrations which exceed applicable standards, but NYSDEC is satisfied with the extent of remediation.

- Spill #0003132: A petroleum release was reported at the time a 2,000 gallon #2 fuel oil UST was being tightness tested. Petroleum contaminated soil was identified during the decommissioning of this tank, the location of which is unknown.

- Spill #1011010: Petroleum contaminated soil was encountered in 2011 during the decommissioning of the aforementioned 126,000 gallon fuel oil tanks (Tanks #1 & 2) located near the former Power House (Building 33).

2013 Limited Site Investigation (Phase II)

The 2013 Phase II investigated the RECs identified in the PSI ESA (Attachment 10). Soil borings were completed in the vicinity of each of REC using a Geoprobe™. This investigation was deliberately limited in scope to determine the relative impact of suspected releases at each area of concern. These results demonstrate that site-relate operations resulted in an impact to local soil and groundwater. Although the concentrations of contaminants detected only moderately exceeds UUSCOs the potential for larger impacts to the site are real. A description of borings completed in each area and a summary of analytical results is presented below. Tabulated data are presented in Attachment 11, laboratory reports and are included in Attachment 10.

Power House and Former Coal Storage Area

A limited investigation was performed at the former Power House and coal storage area. Two soil borings were completed to depths of 5.0 to 7.0 below grade. Soil samples were screened with a PID, no elevated readings were observed. Soil samples from 6.0 to 7.0 feet were retained for laboratory analysis of the Target Analyte List (TAL) of metals. Arsenic, copper, manganese, nickel, and zinc were all detected above Unrestricted Use Soil Cleanup Objectives (UUSCOs).

Car Wash

A limited investigation was performed at the former Car Wash including a geophysical survey and soil borings. Two oil water separators (OWS) were located during the geophysical survey. Three borings were completed from ground surface to a maximum depth of 20 feet below grade. Soil samples were screened with a PID, no elevated readings were observed. Samples were analyzed for VOCs and SVOCs

The discharge location of the floor drain could not be determined. Acetone was detected in soil samples from 19-20 feet below grade; no SVOCs were detected. Wastewater samples collected from the oil-water separators contained elevated concentrations of VOCs and SVOCs. Wastewater discharged to the subsurface from the OWS could significantly impact local soil and/or groundwater (data are presented in Section 7.2, below).

Auto Garage

A floor drain and two lifts were observed in the former Auto Garage during Phase I ESA site inspections. Investigations in this area included a geophysical survey, 6 soil borings, 3 of which were converted to temporary monitoring wells. The geophysical survey could not establish the discharge location of the floor drain. Soil samples were screened with a PID, no elevated readings were observed. Groundwater samples were collected from temporary monitoring wells. Soil and groundwater samples were analyzed for VOCs, SVOCs and lead.

Acetone and other VOCs listed as Tentatively Identified Compounds (TICs) were detected in one soil sample. Soil samples did not contain elevated concentrations of SVOCs, lead or PCBs. Groundwater samples contained elevated concentrations of SVOCs and lead (in unfiltered samples).

Drum Storage Area

Four test pits were excavated by hand to a depth of approximately 1 foot below grade No odors or visual indication of contamination was identified and no samples were collected for laboratory analysis.

Cheney Hall PCB Release

A release of PCBs at the Cheney Building, within the proposed Brownfield site, was investigated and remediated by Lawler Matusky and Skelly Engineers, LLP (LMS) between 1995 and 1999 (Attachment 9).

The investigation identified PCBs in sediment samples collected from several areas of a stream which bordered the Landfill Area 6, immediately south of the proposed Brownfield site. PCB concentrations ranged from 0.4 to 390 mg/kg. PCBs were traced to a transformer leak in the vault room of the Cheney Building, located within the proposed Brownfield site. Floor drains in this vault room discharged to the stream adjacent to the landfill. LMS was retained by The Dormitory Authority of New York (DASNY) to remediate the release. Portions of the drains and contaminated sediments were excavated and remediated between 1995 and 1998. The PCB-contaminated floor of the vault room was removed in 1999. Soil samples from beneath the original floor, and chip samples of concrete from the perimeter of the room, were collected to verify contaminated media were effectively removed.

Landfill 6

The landfill was remediated and capped according to the provisions of a Voluntary Cleanup Agreement between the previous property owner and the State. The landfill is monitored and maintained in accordance with a Site Management Plan, and includes periodic inspections and groundwater monitoring.

2013 Limited Site Investigation (PVE Sheffler Focused Phase II)

As the PSI physical testing program concentrated only on the North Area areas of potential environmental concern, PVE Sheffler directed focused testing activities in the South Area to gain preliminary information with respect to the hazardous building materials (lead-based paint and asbestos) identified in the 1996 ESA. PVE Sheffler staff collected shallow soil samples from representative locations in the South Area to gain preliminary information as to the presence/absence of these materials (Attachment 10).

While results of analysis did not show the presence of asbestos, shallow soil samples contained elevated concentrations of lead. As the depositional regimen for this contaminant is sporadic, these preliminary tests provide sufficient evidence that the near-building areas of the South likely are affected by this hazardous substance. Surface soil samples also contained elevated concentrations of semi-volatile organic compounds.

Sampling Data

The tables below shows the known contaminants with the maximum concentrations detected/affected media. Maximum Contaminant Concentrations-Exceeding 6NYCRR Part 375 UUSCOs (mg/Kg) or 6NYCRR Part 700-705 Class GA Groundwater Standards.

NORTH AREA

Contaminant	NYSDEC Standard		Soil (ppm)	Groundwater (ppb)	Effluent (OWS samples) (ppb)
	Soil UUSCO (ppm)	Class GA Groundwater (ppb)			
Inorganic Compounds					
Arsenic	13	25	51.1	-	-
Copper	50	200	99.8	-	-
Manganese	1,600	300	6,220	-	-
Nickel	30	100	97.2	-	-
Zinc	109	2,000	252	-	-
Lead	63	25	-	551	-
Organic Compounds					
Acetone	0.050	50	11	139	110,000
Methyl tert-butyl ether	0.93	10	-	-	49,000
Benzo(a)anthracene	1	0.002		4.78	-
Benzo(b)fluroanthene	1,000	0.002	-	4.99	-
Chrysene	1	0.002	2.5	6.49	-
2,4-Dimethylphenol	-	1	-	-	409
2-Methylphenol	330	1	-	-	741
3 & 4 Methylphenol	-	1	-	-	1,430
Phenol	0.330	1	-	-	1,480

SOUTH AREA

Contaminant	NYSDEC Standard	Soil (ppm)
	Soil UUSCO (ppm)	
Inorganic Compounds		
Lead	63	462
Organic Compounds		
Benzo(a)anthracene	1	5.5
Benzo(a)pyrene	1	4.2
Benzo(b)fluroanthene	1	4.6
Benzo(k)fluoranthene	0.8	3.5
Chrysene	1	6.0
Indeno(1,2,3-cd)pyrene	0.5	1.0

Suspected Contaminants, Sources and Past Land Use

Petroleum: VOCs and SVOCs are suspected to be present in subsurface soil in the vicinity of previously decommissioned fuel storage tanks.

Chlorinated Solvents:	Chlorinated VOCs may be present in subsurface soil as a result of discharges from floor drains. Chlorinated VOCs may be present in groundwater as a result of discharges from floor drains.
SVOCs:	SVOCs may be present in surface soil in the vicinity of former coal storage piles.
Metals:	Metals are suspected to be present in surface soil in the vicinity of former coal storage piles; metals typically associated with coal ash include arsenic, chromium and selenium. Metals may be present in surface soil near the perimeter of on-site buildings where lead-based paint may have accumulated.
PCBs:	PCBs may be present in soil and sediment near the former Landfill Area 6

Summary of Findings

1. Soils above the water table range from dense glacial till to sandy fill material with lesser amounts of silt, clay, gravel, concrete fragments, and brick fragments.
2. Depth to groundwater is highly variable
3. Groundwater flow direction beneath the site is unknown, but is inferred to be generally toward the west toward the Hudson River.
4. Semi-volatiles and metals in some samples of soil exceeded both the Unrestricted Use SCOs and Restricted Residential SCOs.
5. Semi-volatiles, were detected in groundwater above State standards. Exceedances of State groundwater standards for metals was limited to lead in one location

3.0 SCOPE OF WORK

Based on the findings summarized above, it has been determined that supplemental soil and groundwater sampling and analysis is necessary to complete the evaluation of the subject property. The scope of work will consist of the following tasks:

1. Mark out of utilities plotting sample locations.
2. Geoprobe soil borings
3. Installation, development and sampling of PVC groundwater monitoring wells.
4. Data management/reporting.

Task 1 – Utility Mark-out

PVE Sheffler will request a mark-out of public utilities from the Underground Facilities Protective Organization (UFPO). To supplement the UFPO mark-out, PVE Sheffler will retain the services of a private mark-out company. Geophysical techniques (electromagnetic, GPR, etc.) will be used to determine if the previously identified fill-ports are connected to existing underground storage tanks (USTs). If tanks are identified, and can be accessed using hand tools, the contents of the USTs will be verified.

Task 2 – Soil Borings and Surface Soil Sampling

More than 100 soil borings and surface soil samples will be collected at the site during this phase of the investigation. The borings will be advanced using a Geoprobe drilling rig, and will be advanced to the water table or to refusal, whichever is encountered first. In the previous phase, the soils encountered above the water table consisted of varying fill and till. Depth to groundwater was highly variable.

Soil samples will be screened for the presence of volatile organics with a photoionization detector (PID) upon opening the sample and by headspace analysis.

At a minimum, two soil samples will be collected from each test borings for laboratory analysis: a surface soil sample (from the 0-2" interval) and subsurface soil sample (from 18 to 24"). Discrete (grab) samples will be taken from the aforementioned sampling intervals. A third soil sample may be collected from each or several test boring(s), if elevated PID readings and/or visual and olfactory observations are noted during borehole advancement.

Task 3 – Monitoring Well Installation/Groundwater Sampling

One-inch-diameter temporary groundwater monitoring wells will be installed. Representative groundwater samples will be collected using low-flow sampling techniques from all wells. A representative groundwater sample will be collected from each well with a peristaltic pump and dedicated tubing. Sampling will be conducted in accordance with NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation, dated May 2010, and Sampling Guidelines and Protocols, dated March 1991. Groundwater wells will be gauged with a water level meter to record a depth to groundwater reading (1/100 foot), and if necessary, an interface meter to determine the thickness of LNAPL or DNAPL.

Sample Analysis

Soil and groundwater samples will be submitted to a NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified laboratory for analysis of some or all of the following:

- Volatile Organic Compounds by EPA Method 8260;
- Semi-volatile organic compounds by EPA Method 8270;
- Pesticides/PCBs by EPA Method 8081/8082;
- Target Analyte List metals by EPA Method 6010 and 7471; and

Quality Assurance/Quality Control Procedures

QA/QC procedures will be used to provide performance information with regard to accuracy, precision, sensitivity, representation, completeness, and comparability associated with the sampling and analysis for this investigation. Field QA/QC procedures will be used (1) to document that samples are representative of actual conditions at the Site and (2) identify possible cross-contamination from field activities or sample transit. Laboratory QA/QC procedures and analyses will be used to demonstrate whether analytical results have been biased either by interfering compounds in the sample matrix, or by laboratory techniques that may have introduced systematic or random errors to the analytical process. QA/QC samples (field and trip blanks, duplicates, etc.) will be collected and analyzed at an ELAP-certified laboratory.

Investigation Derived Waste

Cuttings may be disposed at the site within the borehole that generated them to within 24 inches of the surface unless:

- Free product or grossly contaminated soil, are present in the cuttings;
- The borehole has penetrated an aquitard, aquiclude or other confining layer; or extends significantly into bedrock;
- Backfilling the borehole with cuttings will create a significant path for vertical movement of contaminants. Soil additives (bentonite) may be added to the cuttings to reduce permeability;
- The soil cannot fit into the borehole.

Those soil cuttings needing to be managed on-site will be containerized in properly labeled DOT approved 55-gallon drums for future off-site disposal at a permitted facility. All boreholes which require drill cuttings disposal would ultimately be filled with bentonite chips (hydrated) and asphalt/concrete capping. Disposable sampling equipment including, spoons, gloves, bags, paper towels, etc. that came in contact with environmental media will be double bagged and disposed as municipal trash in a facility trash dumpster as non-hazardous trash.

Reporting

A Remedial Investigation Report will be prepared following completion of the field activities and receipt of the laboratory data. The report will provide detailed summaries of the investigative findings. Soil, groundwater and soil vapor analytical results will be compared to the NYSDEC Part 375-6.8(a) Unrestricted Used Soil Cleanup Objectives, appropriate Part 375-6.8(b) Restricted Soil Cleanup Objectives and NYSDEC Part 703 Groundwater Quality Standards (GQS) (class GA) or Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS), and NYSDOH October 2006 Final Guidance for Evaluating Soil Vapor Intrusion Matrices.

The report will include an updated sampling plan, spider diagrams, analytical data tables for all reported constituent compounds (including non-detectable concentrations) and remedial recommendations, as warranted.

4.0 Chemical Hazard Assessment and Controls

4.1 Chemical Hazards

The predominant contaminants potentially encountered during the subsurface investigation in soil and groundwater include: volatile and semi-volatile organic compounds (VOCs and SVOCs); and inorganic metals including arsenic, copper, lead, manganese, nickel, and zinc. Chemical Hazard and MSDS Sheets are provided in Attachment D.

4.1.1 Table: Occupational Exposure Limits and Ionization Potentials of VOCs and SVOCs

VOCS								
Name	**Skin Absorption**	**PEL (1) (PPM)**	**REL(2) (PPM)**	**STEL (PPM)**	**IDLH (PPM)**	**TLV (3) (PPM)**	**IP (eV)**	**Carcinogen**
Methyl-tert butyl ether	Yes	NA	NA	NA	NA	50	NA	Suspected
1,2,4-Trimethylbenzene	Yes	25	25	NA	ND	25	8.27	
m & p-xylene	Yes	100	100	150 (2)	900	100	8.56	
Naphthalene	Yes	10	10	15 (2)	250	10	8.12	
o-xylene	Yes	100	100	150 (2)	900	100	8.56	
Phenol	YES	5	5	NA	250	5	8.50	
Acetone	Yes	1000	250	NA	2500	500	9.69	
SVOCs								
Name	**Skin Absorption**	**PEL (1) (PPM)**	**REL(2) (PPM)**	**STEL (PPM)**	**IDLH (PPM)**	**TLV (3) (PPM)**	**IP (eV)**	**Carcinogen**
Acenaphthylene (4)	NA	NA	NA	NA	NA	NA	NA	
Acenaphthene (4)	Yes	NA	NA	NA	NA	NA	NA	
Anthracene (4)	Yes	0.2(5) mg/m3	0.1(6)mg/m3	NA	80 mg/m3	NA	NA	
Benzo(a)anthracene (4)	No	NA	NA	NA	NA	L	NA	X
Benzo(a)pyrene (4)	Yes	0.2(5) mg/m3	0.1(6)mg/m3	NA	80 mg/m3	L	NA	X
Benzo(b)fluoranthene (4)	Yes	NA	NA	NA	NA	L	NA	X
Benzo(g,h,I) perylene (4)	Yes	NA	NA	NA	NA	NA	NA	
Benzo(k)fluoranthene (4)	Yes	NA	NA	NA	NA	NA	NA	X
Chrysene (4)	Yes	0.2(5) mg/m3	0.1(6)mg/m3	NA	80 mg/m3	L	NA	X
Coal Tar Pitch Volatiles	NA	0.2 (5) mg/m3	0.1 (6)mg/m3	NA	80 mg/m3	0.2(7) mg/m3	NA	X
Dibenzo(a,h)Anthracene (4)	Yes	NA	NA	NA	NA	NA	NA	X
Fluoranthene (4)	Yes	NA	NA	NA	NA	NA	NA	Suspected
Fluorene (4)	Yes	NA	NA	NA	NA	NA	NA	Suspected
Indeno(1,2,3-cd)pyrene (4)	Yes	NA	NA	NA	NA	NA	NA	X
Phenanthrene (4)	Yes	0.2(5) mg/m3	0.1(6)mg/m3	NA	80 mg/m3	NA	NA	X
Pyrene (4)	Yes	0.2(5) mg/m3	0.1(6)mg/m3	NA	80 mg/m3	NA	NA	X

1 –OSHA (Occupational Safety and Health Administration)
PEL – Permissible Exposure Limit (OSHA Standard)
STEL –Short Term Exposure Limit
2 – NIOSH (National Institutes for Occupational Safety and Health)
REL - Recommended Exposure Limit
IDLH – Immediately Dangerous to Life and Health
STEL -Short Term Exposure Limit

3 - ACGIH (formerly American Conference of Governmental Industrial Hygienists)
TLV - Threshold Limit Value
STEL -Short Term Exposure Limit
L – exposure by all routes should be as carefully controlled to levels as low as possible
4 - PELs are listed for these items under Coal Tar Pitch Volatiles
5 - Benzene Soluble fraction
6 – Cyclohexane-extractable fraction
7 - Benzene Soluble Aerosol
NA – Not Applicable
ND – Not Determined
PPM – parts of airborne contaminant per million parts of air (by volume)
mg/m^3 – milligrams of airborne contaminant per cubic meter of air
IP – ionization potential
eV – electron volt

OSHA PELs, ACGIH TLVs, and NIOSH RELs are time-weighted averages (TWAs), which are defined as concentrations for a normal 8-hour work day(NIOSH RELS are based on 10 hours) and 40-hour work week to which almost all workers can be exposed repeatedly without suffering adverse health effects.

Per ACGIH, a STEL is defined as the concentration to which "workers can be exposed for short time periods without irritation, chronic or irreversible tissue damage, dose-rate-dependent toxic effects, or narcosis sufficient to be likely to increase the likelihood of accidental injury, impaired self-rescue or materially reduced work efficiency." The STEL is a 15-minute TWA. STELs are used by OSHA, ACGIH, and NIOSH.

IP refers to ionization potential which is the amount of energy required to remove an electron from an atom or molecule. Air sampling devices known as photo ionization detectors (PIDs) use ultraviolet (UV) light to ionize gas molecules in order to measure the presence of volatile organic compounds (VOCs). The most common light source used in PIDs is a 10.6 eV (electron volt) lamp.

4.1.2 Chemical Hazards of Metals of Concern

The metals detected in on-site soils and associated potential health effects are presented below. If dust control measures implemented during field activities cannot maintain dust levels at an acceptable level, the SSO will notify site workers of the condition. Personal Protective Equipment (PPE) summarized in Section 4.2.2 will be utilized.

Arsenic:

Exposure Routes: Inhalation, skin absorption, skin and/or eye contact.

Symptoms: Ulceration of nasal septum, dermatitis, gastrointestinal disturbances, peripheral neuropathy, respiratory irritation, hyperpigmentation of skin, potential carcinogen.

Target Organs: Liver, kidneys, skin, lungs, *and lymphatic* system.

Cancer Site: Lung & lymphatic cancer.

OSHA PEL: 0.01 mg/m^3 as an 8-hour time-weighted average (TWA).

ACGIH TLV: 0.01 mg/m^3 as an 8-hour time-weighted average (TWA).

Copper:

Exposure Routes: Inhalation skin and/or eye contact.
Symptoms: Contact can irritate and burn the eyes and skin. Inhalation can irritate the nose and throat causing coughing and wheezing.
Target Organs: Eye, skin and respiratory system.

OSHA PEL: 1 mg/m^3 as an 8-hour TWA.
ACGIH TLV: 1 mg/m^3 as an 8-hour TWA.

Lead:

Exposure Routes: Inhalation, ingestion, skin and/or eye contact.
Symptoms: Lassitude (weakness, exhaustion), insomnia; facial pallor; anorexia, weight loss, malnutrition; constipation, abdominal pain, colic; anemia; gingival lead line; tremor; paralysis wrist, ankles; encephalopathy; kidney disease; irritation eyes; hypotension.
Target Organs: Eyes, gastrointestinal tract, central nervous system, kidneys, blood, and gingival tissue.

OSHA PEL: 0.050 mg/M^3 as an 8-hour TWA.

ACGIH TLV: 0.050 mg/M^3 as an 8-hour TWA.

Manganese:

Exposure Routes: Inhalation.
Symptoms: The aerosol is irritating to the respiratory tract. The substance may have effects on the lungs and central nervous system, resulting in increased susceptibility to bronchitis, pneumonitis and neurologic, neuropsychiatric disorders
Target Organs: Respiratory tract and central nervous system.

OSHA PEL: 5 mg/M^3 as a Ceiling.

ACGIH TLV: 0.1 mg/m^3 for inhalable particulate matter as an 8-hour TWA.

Nickel

Exposure Routes: inhalation, skin absorption, ingestion, skin and/or eye contact.
Symptoms: Irritation and burning of eyes and skin; skin allergy; irritation of nose, throat and

lungs; headache, dizziness and vomiting; probable lung carcinogen; asthma-like allergy; chronic bronchitis and scarring of the lungs.

Target Organs: Eyes, skin, respiratory system, kidneys and liver.

OSHA PEL: 1.0mg/m^3 as an 8-hour TWA.

ACGIH TLV: 1.0mg/m^3 as an 8-hour TWA.

Zinc:

Exposure Routes: Inhalation, skin and/or eye contact.

Symptoms: The aerosol can irritate the nose and throat resulting in wheezing.

Target Organs: Eyes, skin, nose and throat.

OSHA PEL: 15 mg/M^3 as a Ceiling.

ACGIH TLV: 2.0mg/m^3 as an 8-hour TWA.

4.2 Chemical Exposure and Control

4.2.1 Activities with Chemical Exposure Potential

The primary route of exposure during site activities in areas contaminated with VOCs, SVOCs and inorganic metals is direct dermal contact, accidental or incidental ingestion, and inhalation of contaminant laden dust. The following work areas and site related activities are areas where chemical exposure is possible:

- Areas where drilling activities will be conducted.
- Contact with soil boring cores and samples.
- Contact with purge water from soil borings and samples.

4.2.2 Potential Chemical Exposures and Exposure Action Levels

4.2.2.1 Metals

Exposure potential exists during drilling borings and excavation of soils. Airborne dust can be an issue during soil excavation/drilling operations and skin contact can be anticipated during handling. Potential worker exposures exist, through accidental ingestion and direct skin contact, during the drilling task, as airborne dusts can be generated. Semi-volatile organic compounds typically adhere to the airborne soil particles while metals are liberated as well. Of the metals identified in the soil samples, Arsenic possesses the lowest Threshold Limit Values (TLV) at 0.01 mg/m^3 (10 ug/m^3). The highest level of Arsenic detected in the soil samples was 51.1 ug/kg. Assuming an uniform distribution and applying a safety factor, worker exposure can be controlled by establishing **an action level of 0.5 mg/m^3** total airborne dust, through engineering controls such as dust control. A direct reading dust monitor (e.g. TSI DustTrak) will be used as a surrogate to obtain real time data to aid in monitoring the effectiveness of dust controls. The dust monitor will be set to sample aerosols at PM_{10} (10 micron size particles)

Exposures above the action level on 0.5 mg/m^3, will require the use of a NIOSH approved half-face respirator with an N or P, 100 filter.

Engineering controls such as wetting with an airless sprayer will be utilized as a control measure to suppress dust levels.

4.2.2.3 VOCs

The amount of soil boring data collected at the site as of this writing is limited. The VOC detected in the soil borings with the lowest Threshold Limit Value level (TLV) is 1,2,4-Trimethylbenzene, which has an 8 hour time weighted average (TWA) TLV of 25 ppm. The 1,2,4-Trimethylbenzene TLV of 25 ppm will be used as the site's VOC action level. PPE will be upgraded to include NIOSH approved half-face respirators with organic vapor cartridges, if airborne concentrations of VOCs, as measured with a direct reading Photo Ionization Detector (PID) exceed 25 ppm or are above background level during on-site activities.

If PID readings in the areas above and surrounding the work area exceed 250 ppm, all on-site activities will be suspended. Future PPE selected will depend on the identity and concentrations of the contaminants encountered. PPE will be discussed in section 10.

First aid equipment will be available based on MSDS requirements.

To summarize, dust generated during field activities will be monitored continuously using a particulate air monitoring instrument. VOC levels during field activities will be continuously monitored using a PID. Exposure monitoring will be further discussed in section 9.

4.2.3 Exposure Control

A combination of PPE and engineering controls will be utilized to control skin contact and airborne exposures. Engineering controls will consist of demarcating areas to be bored and allow required personnel only in the work areas. Dust suppression will be used whenever possible to keep dust from becoming airborne. PPE will be discussed in section 7.

The following chemical exposure control measures will be implemented during the proposed site investigations:

- The SSO will perform air monitoring (see Section 6.1) in the worker's breathing zone to determine exposure to VOCs during field activities. If exposures exceed the action levels, respiratory protection, as discussed in Section 7.2, will be donned.
- To avoid direct dermal contact with potentially contaminated media, chemical protective clothing, as described in Section 7.1, will be required when collecting samples and decontaminating sampling equipment.
- Although highly unlikely, exposure to all of the contaminants of concern may occur via ingestion (hand-to-mouth transfer). The decontamination procedures described in Section 9.0 address personal hygiene issues that will limit the potential for contaminant ingestion.

5.0 Physical Hazards and Controls

5.1 Utility Hazards

5.1.1 Underground Utilities

New York law requires that, at least 48 hours prior to initiation of any subsurface work, a utility clearance be performed at the site. The driller will contact New York City One Center (1-800-272-4480) to request a mark-out of underground utilities in the proposed sampling areas. Work will not begin until the required utility clearances have been performed. Public utility clearance organizations typically do not mark-out underground utility lines that are located on private property. As such, the driller must exercise due diligence and try to identify the location of any private utilities on the properties being investigated. This requirement can be fulfilled in several ways, including:

- obtaining as-built drawings for the areas being investigated from the property owner;
- visually reviewing each proposed sampling/drilling location with the property owner or knowledgeable site representative;
- identifying a no-drilling/digging zone; or
- hand digging in the proposed drilling/excavation locations if insufficient data is available to accurately determine the location of the utility lines.

Natural gas and municipal water transmission and service lines are likely to be in Bay Street, Columbia Street and/or Sigourney Street. The exact location of these utilities is not known at this time. A mark-out of utilities leading to the subject property will be requested from the Underground Facilities Protection Organization.

5.1.2 Overhead Utilities

Be particularly aware of overhead power lines in the work area. Any vehicle or mechanical equipment capable of having parts of its structure elevated (drill rig, crane, etc.) near energized overhead lines shall be operated so that a clearance of at least ten (10) feet is maintained. If the voltage is higher than 50kV, the clearance shall be increased four (4) inches for every 10kV over that voltage. Overhead utility lines are located along the south side of Main Street and cross a portion of the parking lot on to the north of the building on the site.

5.2 Traffic Concerns

Work is being performed at exterior locations where traffic may be a concern (i.e. Columbia Street and intersecting cross streets). The following precautions should be followed. All are designed to draw attention to the work and to warn other people of the activities.

- Notify the property owner of your work location, dates of work and the anticipated work times. Suggest the possibility of a detour around the work area.
- Wear an orange safety vest. If work is being performed at dawn, dusk or evening, the vests must have reflective tape.
- Set up traffic cones 50 feet in front of the work area. “Work Zone” signs should also be placed in a conspicuous area to warn others of your presence.

5.3 Drilling Hazards

Use of a conventional drilling rig to complete soil borings will require all personnel in the vicinity of the operating rig to wear steel-toed boots, hardhats, hearing protection and safety eyewear. Personnel shall not remain in the vicinity of operating equipment unless it is required for their work responsibilities. Additionally, the following safety requirements must be adhered to:

- All drill probes and other machinery with exposed moving parts must be equipped with an operational emergency stop device. Drillers and geologists must be aware of the location of this device. This device must be tested prior to job initiation and periodically thereafter. The driller and helper shall not simultaneously handle augers unless there is a standby person to activate the emergency stop.
- The driller must never leave the controls while the tools are operating unless all personnel are kept clear of operating equipment.
- Drillers, helpers and geologists must secure all loose clothing when in the vicinity of drilling operations.
- Only equipment that has been approved by the manufacturer may be used in conjunction with site equipment and specifically to attach sections of drilling tools together.

5.4 Noise Exposure

The use of the drilling rig will generate noise levels that will require the use of hearing protection in the immediate vicinity. Appropriate earmuffs or earplugs (i.e., with an NRR greater than 25 dB) should be worn to prevent overexposure. The general rule of thumb is that if you have to raise your voice to be understood by someone who is standing 3 to 5 feet away from you, the noise levels are likely to be above 85 dB and therefore require the use of hearing protection.

5.5 Back Safety

Using the proper techniques to lift and move heavy pieces of equipment, such as drums of investigation-derived wastes, are important to reduce the potential for back injury. The following precautions should be implemented when lifting or moving heavy objects.

- Use mechanical devices to move objects, such as drums of investigation derived wastes, that are too heavy to be moved manually.
- If mechanical devices are not available, ask another person to assist you.
- Bend at the knees, not the waist. Let your legs do the lifting.
- Do not twist while lifting.
- Bring the load as close to you as possible before lifting.
- Be sure the path you are taking while carrying a heavy object is free of obstructions and slip, trip and fall hazards.

5.6 Electrical Safety

If using portable tools that are electrically powered, follow the safety precautions listed below:

- Check to see that electrical outlets used to supply power during field operations is of the three (3) wire grounding type.

- Extension cords used for field operations should be of the three (3) wire grounding type and designed for hard or extra-hard usage. This type of cord uses insulated wires within an inner insulated sleeve and will be marked S, ST, STO, SJ, SJO or SJTO.
- NEVER remove the ground plug blade to accommodate ungrounded outlets.
- Do not use extension cords as a substitute for fixed or permanent wiring. Do not run extension cords through openings in walls, ceilings or floors.
- Protect the cord from becoming damaged if the cord is run through doorways, windows or across pinch points.
- Examine extension and equipment cords and plugs prior to each use. Damaged cords with frayed insulation or exposed wiring and damaged plugs with missing ground blades must be removed from service immediately.
- All portable or temporary wiring which is used outdoors or in other potentially wet or damp locations must be connected to a circuit that is protected by a ground fault circuit interrupter (GFCI). GFCI's are available as permanently installed outlets, as plug-in adapters and as extension cord outlet boxes. Do not continue to use a piece of equipment or extension cord that causes a GFCI to trip.
- When working in flammable atmospheres, be sure that the electrical equipment being used is approved for use in Class I, Division I atmospheres.
- Do not touch a victim who is still in contact with current. Separate the victim from the source using a dry, non-metallic item such as a broom stick or cardboard box. Be sure your hands are dry and you are standing on a dry surface. Turn off the main electrical power switch and then begin rescue efforts.

5.7 Thermal Stress

The hazards of both heat and cold stress are addressed in this HASP.

5.7.1 Heat Stress

Types of Heat Stress

Heat related problems include heat rash, fainting, heat cramps, heat exhaustion and heat stroke. Heat rash can occur when sweat isn't allowed to evaporate, leaving the skin wet most of the time and making it subject to irritation. Fainting may occur when blood pools to lower parts of the body and as a result, does not return to the heart to be pumped to the brain. Heat related fainting often occurs during activities that require standing erect and immobile in the heat for long periods of time. Heat cramps are painful spasms of the muscles due to excessive salt loss associated with profuse sweating. Heat exhaustion results from the loss of large amounts of fluid and excessive loss of salt from profuse sweating. The skin will be clammy and moist and the affected individual may exhibit giddiness, nausea and headache.

Heat stroke occurs when the body's temperature regulatory system has failed. The skin is hot, dry, red and spotted. The affected person may be mentally confused and delirious. Convulsions could occur. Early recognition and treatment of heat stroke are the only means of preventing brain damage or death. A person exhibiting signs of heat stroke should be removed from the work area to a shaded area. The person should be soaked with water to promote evaporation. Fan the person's body to increase cooling. Immediate medical assistance is needed in case of heat stroke. Dial 911 to request an ambulance.

Increased body temperature and physical discomfort also promote irritability and a decreased attention to the performance of hazardous tasks.

Early Symptoms of Heat-Related Health Problems:

- decline in task performance
- incoordination
- decline in alertness
- unsteady walk
- excessive fatigue
- reduced vigilance
- muscle cramps
- dizziness

Susceptibility to Heat Stress Increases due to:

- lack of physical fitness
- lack of acclimation
- increased age
- dehydration
- obesity
- drug or alcohol use
- sunburn
- infection

People unaccustomed to heat are particularly susceptible to heat fatigue. First timers in PPE need to gradually adjust to the heat.

The Effect of Personal Protective Equipment

Sweating normally cools the body as moisture is removed from the skin by evaporation. However, the wearing of certain personal protective equipment (PPE), particularly chemical protective coveralls (e.g., Tyvek), reduces the body's ability to evaporate sweat and thereby regulate heat buildup. The body's efforts to maintain an acceptable temperature can therefore become significantly impaired by the wearing of PPE.

Measures to Avoid Heat Stress:

The following guidelines should be adhered to when working in hot environments:

- Establish work-rest cycles (short and frequent are more beneficial than long and seldom).
- Identify a shaded, cool rest area.
- Rotate personnel, alternate job functions.
- Water intake should be equal to the sweat produced. Most workers exposed to hot conditions drink less fluids than needed because of an insufficient thirst. Do not depend on thirst to signal when and how much to drink. For an 8-hour work day, 50 ounces of fluids should be consumed.
- Eat lightly salted foods or drink salted drinks such as Gatorade to replace lost salt.
- Save most strenuous tasks for non-peak heat hours such as the early morning or at night.
- Avoid alcohol during prolonged periods of heat. Alcohol will cause additional dehydration.
- Avoid double shifts and/or overtime.

The implementation and enforcement of the above-mentioned measures will be the joint responsibility of the PM and SSO. Potable water and fruit juices should be made available each day for the field team.

Heat Stress Monitoring Techniques

Site personnel should regularly monitor their heart rate as an indicator of heat strain by the following method:

Check radial pulse rates by using fore- and middle fingers and applying light pressure to the pulse in the wrist for one (1) minute at the beginning of each rest cycle. If the pulse rate exceeds 110 beats/minute, shorten the next work cycle by one-third and keep the rest period the same. If, after the next rest period, the pulse rate still exceeds 110 beats/minute, shorten the work cycle again by one-third.

5.7.2 Cold Stress

Types of Cold Stress

Cold injury is classified as either localized, as in frostbite, frostnip or chilblain; or generalized, as in hypothermia. The main factors contributing to cold injury are exposure to humidity and high winds, contact with wetness and inadequate clothing.

The likelihood of developing frostbite occurs when the face or extremities are exposed to a cold wind in addition to cold temperatures. The freezing point of the skin is about 30^{o}F. The fluids around the cells of the body tissue freeze, causing the skin to turn white. This freezing is due to exposure to extremely low temperatures. As wind velocity increases, heat loss is greater and frostbite will occur more rapidly.

Symptoms of Cold Stress

The first symptom of frostbite is usually an uncomfortable sensation of coldness, followed by numbness. There may be a tingling, stinging or aching feeling in the effected area. The most vulnerable parts of the body are the nose, cheeks, ears, fingers and toes.

Symptoms of hypothermia, a condition of abnormally low body temperature, include uncontrollable shivering and sensations of cold. The heartbeat slows and may become irregular, the pulse weakens and the blood pressure changes. Pain in the extremities and severe shivering can be the first warning of dangerous exposure to cold.

Maximum severe shivering develops when the body temperature has fallen to 95^{o}F. This must be taken as a sign of danger and exposure to cold must be immediately terminated. Productive physical and mental work is limited when severe shivering occurs.

Methods to Prevent Cold Stress

When the ambient temperature, or a wind chill equivalent, falls to below 40^{o}F, site personnel who must remain outdoors should wear insulated coveralls, insulated boot liners, hard hat helmet liners and insulated hand protection. Wool mittens are more efficient insulators than gloves. Keeping the head covered is very important, since 40% of body heat can be lost when the head is exposed. If it is not necessary to wear a hard hat, a wool knit cap provides the best head protection. A face mask may also be worn.

Persons should dress in several layers rather than one single heavy outer garment. The outer piece of clothing should ideally be wind and water proof. Clothing made of thin cotton fabric or synthetic fabrics such as polypropylene is ideal since it helps to evaporate sweat. Polypropylene is best at wicking away moisture while still retaining its insulating properties. Loosely fitting clothing also aids in sweat evaporation. Denim is not a good protective fabric. It is loosely woven which allows moisture to penetrate. Socks with a high wool content are best. If two pairs of socks are worn, the inner sock should be smaller and made of cotton, polypropylene or a similar type of synthetic material that wicks away moisture. If clothing becomes wet, it should be taken off immediately and a dry set of clothing put on.

If wind conditions become severe, it may become necessary to shield the work area temporarily. The SSO and the PM will determine if this type of action is necessary. Heated break trailers or a designated area that is heated should be available if work is performed continuously in the cold at temperatures, or equivalent wind chill temperatures of 20^{o}F.

Dehydration occurs in the cold environment and may increase the susceptibility of the worker to cold injury due to significant change in blood flow to the extremities. Drink plenty of fluids, but limit the intake of caffeine.

6.0 Air Monitoring

6.1 Monitoring Parameters and Action Levels

Based on the existing Site data, it is not expected that significant levels of organic vapors will be encountered during the Site work. However, air monitoring will be conducted for VOCs. Air monitoring of the breathing zone will be conducted periodically or continuously during field activities to assure proper health and safety protection for the team, workers, and passersby.

VOCs will be monitored with a PID in accordance with the HASP with an action level of 25 ppm. If the action level is exceeded and adequate ventilation cannot be provided, work will cease and the potential affected portion of the work area will be evacuated, until adequate mechanical ventilation can be setup to reduce the VOC exposure. Level C respiratory protection may be donned in accordance with the HASP, if the action level is exceeded.

Fugitive dust generation that could affect Site workers, Site occupants, or the public is not expected because the majority of work will be conducted in moist soil. Soil that is not moist will be wetted as appropriate to minimize visible dust emissions. Particulate monitoring will be conducted at the perimeter of the Site. If dust levels exceed the action level of 0.5 mg/m^3 or background levels (whichever is highest), based on PM-10 size for a duration exceeding 15 or more minutes, work activities will be suspended until dust levels are diminished to an acceptable level.

All monitoring instruments must be calibrated and maintained periodically. Calibration and on-site maintenance records will be kept in the field log book. The operator must understand the limitations and possible sources of errors for each instrument. It is important that the operator checks that the instrument responds properly to the substances it was designed to monitor. Portable air quality monitoring equipment that measures total volatile organic compounds present such as the Rae Systems MiniRae 2000 (or equivalent) photo ionization detector (PID) must be calibrated at least once per week. Dust monitors must be calibrated at least once a week. The specific instructions for calibration and maintenance provided for each instrument should be followed.

Site air monitoring data will be reviewed weekly by a Certified Industrial Hygienist (CIH). Electronic copies of all air monitoring data will be maintained by the CIH.

Air monitoring results will be recorded in the field book during site activities and made available for NYCDEP and New York State Department of Health (NYSDOH) review.

The following table summarizes **air monitoring action levels** established for the site:

Contaminants	Action level	Actions
Organic Vapor	[redacted]	Measure and record the upwind background concentration.
	Reading **less than 25 ppm** above background for a sustained period of 15 minutes in WBZ.	Continue work in Level D protection.
	Reading **greater than**	Discontinue work, allow work area to ventilate, collect

	25 ppm above background for a sustained period of 15 minutes in the WBZ	additional PID readings. If concentrations remain greater than 10 ppm, work can resume in Level C protection with respiratory protection equipped with organic vapor cartridges.
	Readings **greater than 250 ppm** above background for a sustained period of 15 minutes in the WBZ.	Discontinue work, allow work area to ventilate, collect additional PID readings until concentrations are below 100 ppm before work can resume.
Dusts		Measure and record the upwind background concentration.
	Reading **less than 0.5 mg/m3**, based on PM-10, above background for a sustained period of 15 minutes in the WBZ.	Continue work in level D protection.
	Reading **greater than 0.5 mg/m3, based on PM-10,** above background for a sustained period of 15 minutes in the WBZ	Discontinue work. Employ dust suppression using a water spray, collect additional airborne dust measurements. If concentrations remain greater than 0.5 mg/m^3, work can resume in Level C protection with respiratory protection equipped with P-100 cartridges.

6.2 Direct Reading Instruments

A PID such as the RAE MiniRAE 2000, equipped with a 10eV lamp, shall be used to monitor total VOCs during soil sampling and drilling activities. The PID is an appropriate direct-read monitoring instrument given the suspected presence of VOC contamination in on-site soil.

Dust levels will be monitored using a particulate air monitoring instrument (PM10).

6.3 Personal Air Sampling

OSHA does not require the collection of personal air sampling during the proposed activities. As such, this type of monitoring will not be conducted by personnel during any of the proposed tasks.

6.4 Record Keeping

Air monitoring results will be recorded in the field book during construction activities and made available for NYCDEC and New York State Department of Health (NYSDOH) review.

7.0 Personal Protective Equipment

Personal protective equipment (PPE) will be worn during site activities to prevent on-site personnel from being injured by the safety hazards posed by the site and/or the activities being performed. In addition, chemical protective clothing will be worn to prevent direct dermal contact with the site's chemical contaminants.

In general, field activities will be conducted in Level D PPE, as described in the table below. PPE will be upgraded to Level C if air monitoring demonstrates VOCs or dust concentrations in the breathing zone exceeding the action levels outlined in Section 4.2.2.

If the concentration of volatile organics which can be detected with a PID equals or exceeds the specified action level (250 ppm) all field personnel associated with the project will immediately retreat to a location up-wind of the source of contamination. At this point the SSO must consult with the HSM, who will review the condition with PVE Sheffler home office staff to discuss appropriate actions.

7.1 Chemical Protective Clothing

The following tables describe the Level D and Level C PPE and chemical protective clothing to be worn for general site activities and for certain specific tasks.

Level D PPE

PPE Item	Task 1	Task 2	Task 3
Hard Hat	✓	✓	✓
Steel Toed Safety Shoes	✓	✓	✓
Safety Glasses with Side shields		✓	✓
Traffic Vests	*	*	*
Inner PVC/Outer Nitrile Gloves		✓	✓
Hearing Protection		✓	

Level C PPE

PPE Item	Task 1	Task 2	Task 3
Hard Hat	✓	✓	✓
Steel Toed Safety Shoes	✓	✓	✓
Safety Glasses with Side shields	✓	✓	✓
Traffic Vests	*	*	*
Inner PVC/Outer Nitrile Gloves	✓	✓	✓
Hearing Protection		✓	
Half-Face Respirator	✓	✓	✓
Tyvek Protective Suit	✓	✓	✓

Task 1 – Utility mark-out/plot sample locations (* - when working in or near streets)
Task 2 – Soil Borings/surface soil sampling (* - when working in or near streets)
Task 3 –Groundwater Sampling (* - when working in or near street)

7.2 Respiratory Protection

Level D PPE: No respiratory protection required. Air monitoring devices will be used to determine when PPE will be upgraded to include respiratory protection (Section 4.2.2 and 6.0).

Level C PPE: Half-mask, air-purifying respirator equipped with organic vapor/PM100 cartridges.

Respiratory protection will also be worn if odors become objectionable at any time, if respiratory tract irritation is noticed, or if VOCs are detected in the breathing zone as discussed in Section 4.2.2. All on-site personnel who are expected to wear respiratory protection must have successfully passed a qualitative or quantitative fit-test within the past year for the brand, model and size respirator they plan to wear during the proposed activities.

7.3 Other Safety Equipment

The field team will bring the following additional safety items to the site for use as necessary:

- Portable, hand-held eyewash bottles
- First aid kit
- Portable communications equipment
- Fire Extinguisher

8.0 Site Control

8.1 Work Zones

To prevent both exposure of unprotected personnel and migration of contamination due to tracking by personnel or equipment, work areas along with personal protective equipment requirements will be clearly identified. Work areas or zones will be designated as suggested in the "Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities," NIOSH/OSHA/USCG/EPA, November, 1985. They recommend the areas surrounding each of the work areas to be divided into three zones:

- Exclusion or "hot" Zone
- Contamination Reduction Zone (CRZ)
- Support Zone

8.1.1 Exclusion Zone

An exclusion zone (work zone) will be established around each boring location. This zone will move as work progresses to each boring location. This zone should be large enough (i.e. 20 foot radius) to protect unprotected personnel from contact with vapors or dusts that may arise from these operations as well as the physical hazards associated with the operation of heavy equipment. Traffic cones or tape will be used to demarcate the active exclusion zone.

All personnel entering the exclusion zone must be trained in accordance with the requirements defined in Section 10.2 of this HASP and must wear the prescribed level of personal protective equipment.

8.1.2 Contamination Reduction Zone

The decontamination zone will be established adjacent to the exclusion zone. Personnel will remove contaminated gloves and other disposable items in this area and place them in a plastic bag until they can be properly disposed of. Reusable equipment, if any, will be decontaminated with tap water, deionized water, methanol, nitric acid and a liquid detergent solution. A complete description of decontamination procedures is presented in Appendix A to the Remedial Investigation Work Plan.

8.1.3 Support Zone

At this site, the support zone will include the area outside of the decontamination zone.

8.2 Safety Practices

The following measures are designed to augment the specific health and safety guidelines provided in this plan.

- Eating, drinking, chewing gum or tobacco, smoking or any practice that increases the probability of hand-to-mouth transfer and ingestion of materials is prohibited in the immediate work area and the decontamination zone.
- Smoking is prohibited in all work areas. Matches and lighters are not allowed in these areas.
- Hands and face must be thoroughly washed upon leaving the work area and before eating, drinking or any other activities.

- Beards or other facial hair that interfere with respirator fit are prohibited.
- The use of alcohol or illicit drugs is prohibited during the conduct of field operations.
- All equipment must be decontaminated or properly discarded before leaving the site in accordance with the project work plan.

9.0 Decontamination

9.1 Personal Decontamination

Proper decontamination is required of all personnel before leaving the site. Decontamination will occur within the contamination reduction zone. Disposable PPE will be removed in the decontamination zone and placed in lined garbage bags.

If worn, respirators will be cleaned after each use with respirator wipe pads and will be stored in plastic bags after cleaning.

Regardless of the type of decontamination system required, a container of potable water and liquid soap will be made available so employees can wash their hands before leaving the site for lunch or for the day.

9.2 Equipment Decontamination

Reusable equipment, if any, will be decontaminated with tap water, deionized water, methanol, nitric acid and a liquid detergent solution. A complete description of decontamination procedures is presented in Appendix A to the Remedial Investigation Work Plan.

10.0 Medical Monitoring and Training Requirements

10.1 Medical Monitoring

Medical monitoring (29 CFR 1910.1020(f)) is not a requirement of this HASP.

10.2 Health and Safety Training

Although not a requirement for the activities at this site, personnel performing activities covered by this HASP are recommended to have completed the appropriate training requirements specified in 29 CFR 1910.120(e). Each individual should have completed an annual 8-hour refresher-training course and/or initial 40-hour training course within the last year prior to performing any work on the sites covered by this HASP.

10.3 Pre-Entry Briefing

The SSO will conduct a pre-entry briefing before site activities begin. HASP receipt and acceptance sheets will be collected at this meeting. Short safety refresher meetings will be conducted, as needed, throughout the duration of the project. Attendance of the pre-entry meeting is mandatory and will be documented by the SSO. An attendance form is presented in Attachment B.

11.0 Emergency Response

OSHA defines emergency response as any "response effort by employees from outside the immediate release area or by other designated responders (i.e., mutual-aid groups, local fire departments, etc.) to an occurrence which results, or is likely to result in an uncontrolled release of a hazardous substance." On-site personnel shall not participate in any emergency response where there are potential safety or health hazards (i.e., fire, explosion, or chemical exposure). Response actions will be limited to evacuation and medical/first aid as described within this section below. As such this section is written to comply with the requirements of 29 CFR 1910.38 (a).

The basic elements of an emergency evacuation plan include:

- employee training,
- alarm systems,
- escape routes,
- escape procedures,
- critical operations or equipment,
- rescue and medical duty assignments,
- designation of responsible parties,
- emergency reporting procedures and
- methods to account for all employees after evacuation.

11.1 Employee Training

Employees must be instructed in the site-specific aspects of emergency evacuation. On-site refresher or update training is required anytime escape routes or procedures are modified or personnel assignments are changed. The SSO must verify the specific evacuation procedures that the facility prefers contractors follow in the event of a facility-related emergency. This information will be communicated to the field team during the pre-entry briefing.

11.2 Alarm Systems/Emergency Signals

An emergency communication system must be in effect at all sites. The most simple and effective emergency communication system in many situations will be direct verbal communication. Each site must be assessed at the time of initial site activity and periodically as the work progresses. Verbal communication must be supplemented anytime voices can not be clearly perceived above ambient noise levels (i.e., noise from drilling probe) and anytime a clear line-of-sight can not be easily maintained among all personnel because of distance, terrain or other obstructions.

Verbal communication will be adequate to warn on-site personnel of hazards associated with the immediate work area. However, the two person sampling team may be split up during the day to expedite sampling. Each team member will be equipped with a cellular phone to ensure immediate communication can occur between each other. These phones can also be used to contact local emergency responders.

11.3 Escape Routes and Procedures

The SSO will verify the escape routes from each work area with a facility representative. Assembly areas must also be identified. The escape routes and assembly areas will be reviewed during the pre-entry briefing. All personnel on site are responsible for knowing the escape route from the site and where to assemble after evacuation.

11.4 Rescue and Medical Duty Assignments

The phone numbers of the police and fire departments, ambulance service, local hospital, and project representatives are provided in the emergency reference sheet and on the cover of this HASP. This sheet will be posted in the site vehicle.

In the event an injury or illness requires more than first aid treatment, the SSO will accompany the injured person to the medical facility and will remain with the person until release or admittance is determined. The SSO will relay all appropriate medical information to the on-site project manager and the HSM.

If the injured employee can be moved from the accident area, he or she will be brought to the contamination reduction zone where their PPE will be removed. If the person is suffering from a back or neck injury the person will not be moved and the requirements for decontamination do not apply. The SSO must familiarize the responding emergency personnel about the nature of the site and the injury. If the responder feels that the PPE can be cut away from the injured person's body, this will be done on-site. If this not feasible, decontamination will be performed after the injured person has been stabilized.

11.5 Designation of Responsible Parties

The SSO is responsible for initiating emergency response. In the event the SSO can not fulfill this duty, the PM or HSO will take charge.

11.6 Employee Accounting Method

The SSO is responsible for identifying all personnel on-site at all times. On small, short duration jobs this can be done informally as long as accurate accounting is possible.

11.7 Accident Reporting and Investigation

Any incident (other than minor first aid treatment) resulting in injury, illness or property damage requires an accident investigation and report. The investigation should be conducted as soon as emergency conditions are under control. The purpose of the investigation is not to attribute blame but to determine the pertinent facts so that repeat or similar occurrences can be avoided. An accident investigation form is presented in Attachment C of this HASP. The Supervisor of the injured personnel and the HSM should be notified immediately of the injury.

If a subcontractor personnel is injured, they are required to notify the SSO. Once the incident is under control, the subcontractor will submit a copy of their company's accident investigation report to the SSO.

Emergency references

Project Representatives:

Timothy Pagano, PG (SSO) Office: 845/454-2544
PVE Sheffler Cell: 845/702-0786
One Civic Center Plaza Suite 501
Poughkeepsie, New York 12601

Drilling Contractor:

Not yet defined

ATTACHMENT A

Health and Safety Plan Receipt and Acceptance Form

Health and Safety Plan Receipt and Acceptance Form

Remedial Investigation Work Plan
3532 North Road
Poughkeepsie, New York 12603
NYCDEC# TBD

I have received a copy of the Health and Safety Plan prepared for the above-referenced site and activities. I have read and understood its contents and I agree that I will abide by its requirements.

Name/Signature	Organization	Date

ATTACHMENT B

Health and Safety Plan Pre-Entry Briefing Attendance Form

Health and Safety Plan Pre-Entry Briefing Attendance Form

Remedial Investigation Work Plan
3532 North Road
Poughkeepsie, New York 12603
NYCDEC # TBD

Briefing Conducted By: _____

Date Performed: _____

Printed Name	Signature	Representing

ATTACHMENT C

Supervisor's Accident Investigation Report Form

SUPERVISOR'S ACCIDENT INVESTIGATION REPORT

Injured Employee _____ Job Title _____

Home Office _____ Division/Department _____

Date/Time of Accident _____

Location of Accident _____

Witnesses to the Accident _____

Injury Incurred? _____ Nature of Injury _____

_____

Engaged in What Task When Injured? _____

_____

Will Lost Time Occur? ____ How Long? _____ Date Lost Time Began _____

Were Other Persons Involved/Injured? _____

_____

How Did the Accident Occur? _____

_____

_____

_____

_____

What Could Be Done to Prevent Recurrence of the Accident? _____

_____

_____

What Actions Have You Taken Thus Far to Prevent Recurrence? _____

_____

_____

Supervisor's Signature _____ Title _____ Date _____

Reviewer's Signature _____ Title _____ Date _____

Note: If the space provided on this form is insufficient, provide additional information on a separate page and attach. The completed accident investigation report must be submitted to the Health and Safety Manager within two days of the occurrence of the accident.

ATTACHMENT D

Chemical Hazard and MSDS Sheets

RCRA Metals

Volatile Organic Compounds

Fisher Scientific
Part of Thermo Fisher Scientific

MATERIAL SAFETY DATA SHEET

Section 1 - Chemical Product and Company Identification

MSDS Name: 1,2,4-Trimethylbenzene

Catalog Numbers: AC140090000, AC140090010, AC140090025, AC140095000

Synonyms: Pseudocumene.

Company Identification:
Acros Organics BVBA
Janssen Pharmaceuticalaan 3a
2440 Geel, Belgium

Company Identification: (USA)
Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410

For information in the US, call: 800-ACROS-01

For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99

Emergency Number US: 201-796-7100

CHEMTREC Phone Number, US: 800-424-9300

CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#: 95-63-6

Chemical Name: 1,2,4-Trimethylbenzene

%: 98

EINECS#: 202-436-9

Hazard Symbols: XN N





Risk Phrases: 10 20 36/37/38 51/53

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Warning! Flammable liquid and vapor. Harmful if inhaled. Causes eye, skin, and respiratory tract irritation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Target Organs: Blood, central nervous system, respiratory system, eyes, skin.

Potential Health Effects

Eye: Causes eye irritation. Causes redness and pain.

Skin: Causes skin irritation. Causes redness and pain. May be harmful if absorbed through the skin.

Ingestion: May cause irritation of the digestive tract. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal. May be harmful if swallowed. May cause central nervous system depression.

Inhalation: Harmful if inhaled. Causes respiratory tract irritation. May cause drowsiness, unconsciousness, and central nervous system depression.

Chronic: Prolonged or repeated skin contact may cause dermatitis. May cause anemia and other blood cell abnormalities. Prolonged exposure may produce a narcotic effect. Prolonged or repeated exposure may cause nausea, dizziness, and headache.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Do not induce vomiting. Possible aspiration hazard. Get medical aid immediately. Call a poison control center.

Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Possible aspiration hazard. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Notes to Physician:

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire. Containers may explode in the heat of a fire. Flammable liquid and vapor.

Extinguishing Media: Use water spray to cool fire-exposed containers. Use water spray, dry chemical, carbon dioxide, or chemical foam.

Autoignition Temperature: 500 deg C (932.00 deg F)

Flash Point: 48 deg C (118.40 deg F)

Explosion Limits: Lower: 0.9 vol %

Explosion Limits: Upper: 6.4 vol %

NFPA Rating: health: 2; flammability: 2; instability: 0;

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Remove all sources of ignition. Use a spark-proof tool. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling: Use spark-proof tools and explosion proof equipment. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use only in a chemical fume hood. Keep away from heat, sparks and flame.

Storage: Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container. Flammables-area.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
1,2,4-Trimethylbenzene	25 ppm TWA (listed under Trimethyl benzene).	25 ppm TWA; 125 mg/m3 TWA	none listed

OSHA Vacated PELs: 1,2,4-Trimethylbenzene: 25 ppm TWA; 125 mg/m3 TWA (listed under Trimethyl benzene)

Engineering Controls:

Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood.

Exposure Limits

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State: Clear liquid
Color: colorless
Odor: aromatic odor
pH: Not available
Vapor Pressure: 7 mm Hg @ 44.4 deg C
Vapor Density: 4.15 (air=1)
Evaporation Rate: Not available
Viscosity: Not available
Boiling Point: 168 deg C @ 760 mmHg (334.40°F)
Freezing/Melting Point: -44 deg C (-47.20°F)
Decomposition Temperature: Not available
Solubility in water: Insoluble
Specific Gravity/Density: 0.880 g/cm3
Molecular Formula: C9H12
Molecular Weight: 120.19

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, ignition sources, excess heat.
Incompatibilities with Other Materials Strong oxidizing agents.
Hazardous Decomposition Products Carbon monoxide, carbon dioxide.
Hazardous Polymerization Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 95-63-6: DC3325000

LD50/LC50: RTECS:
CAS# 95-63-6: Inhalation, rat: LC50 = 18000 mg/m3/4H;
Oral, mouse: LD50 = 6900 mg/kg;
Oral, rat: LD50 = 5 gm/kg;
.

Carcinogenicity: 1,2,4-Trimethylbenzene - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Other: See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity: Fish: Fathead Minnow: LC50 = 77.2 mg/L; 96 Hr; Flow-through at 25 C (pH 7.24)

Other: Do not empty into drains.

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT
Shipping Name: FLAMMABLE LIQUIDS, N.O.S. (1,2,4-Trimethylbenzene)
Hazard Class: 3
UN Number: UN1993
Packing Group: III
Canada TDG

Shipping Name: Not available
Hazard Class:
UN Number:
Packing Group:

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN N

Risk Phrases:

R 10 Flammable.

R 20 Harmful by inhalation.

R 36/37/38 Irritating to eyes, respiratory system and skin.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

WGK (Water Danger/Protection)

CAS# 95-63-6: 3

Canada

CAS# 95-63-6 is listed on Canada's DSL List

Canadian WHMIS Classifications: B3, D1B, D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 95-63-6 is listed on Canada's Ingredient Disclosure List

US Federal

TSCA

CAS# 95-63-6 is listed on the TSCA Inventory.

Section 16 - Other Information

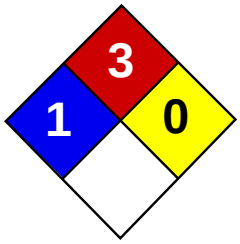
MSDS Creation Date: 5/19/1999

Revision #5 Date 8/30/2007

Revisions were made in Sections: 3, 4, 5, 6, 7, 8, 9, 10, 11, 1

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.





Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Acetone MSDS

Section 1: Chemical Product and Company Identification

Product Name: Acetone

Catalog Codes: SLA3502, SLA1645, SLA3151, SLA3808

CAS#: 67-64-1

RTECS: AL3150000

TSCA: TSCA 8(b) inventory: Acetone

CI#: Not applicable.

Synonym: 2-propanone; Dimethyl Ketone; Dimethylformaldehyde; Pyroacetic Acid

Chemical Name: Acetone

Chemical Formula: C3-H6-O

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Acetone	67-64-1	100

Toxicological Data on Ingredients: Acetone: ORAL (LD50): Acute: 5800 mg/kg [Rat]. 3000 mg/kg [Mouse]. 5340 mg/kg [Rabbit]. VAPOR (LC50): Acute: 50100 mg/m 8 hours [Rat]. 44000 mg/m 4 hours [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Reproductive system/toxin/male [SUSPECTED]. The substance is toxic to central nervous system (CNS). The substance may be toxic to kidneys, the reproductive system, liver, skin. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used.Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 465°C (869°F)

Flash Points: CLOSED CUP: -20°C (-4°F). OPEN CUP: -9°C (15.8°F) (Cleveland).

Flammable Limits: LOWER: 2.6% UPPER: 12.8%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Highly flammable in presence of open flames and sparks, of heat.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of open flames and sparks, of oxidizing materials, of acids.

Fire Fighting Media and Instructions:
Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.

Special Remarks on Fire Hazards: Vapor may travel considerable distance to source of ignition and flash back.

Special Remarks on Explosion Hazards:
Forms explosive mixtures with hydrogen peroxide, acetic acid, nitric acid, nitric acid + sulfuric acid, chromic anydride, chromyl chloride, nitrosyl chloride, hexachloromelamine, nitrosyl perchlorate, nitryl perchlorate, permonosulfuric acid, thiodiglycol + hydrogen peroxide, potassium ter-butoxide, sulfur dichloride, 1-methyl-1,3-butadiene, bromoform, carbon, air, chloroform, thitriazylperchlorate.

Section 6: Accidental Release Measures

Small Spill:
Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill:
Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, reducing agents, acids, alkalis.

Storage:
Store in a segregated and approved area (flammables area) . Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Keep away from direct sunlight and heat and avoid all possible sources of ignition (spark or flame).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 500 STEL: 750 (ppm) from ACGIH (TLV) [United States] TWA: 750 STEL: 1000 (ppm) from OSHA (PEL) [United States] TWA: 500 STEL: 1000 [Austalia] TWA: 1185 STEL: 2375 (mg/m3) [Australia] TWA: 750 STEL: 1500 (ppm) [United Kingdom (UK)] TWA: 1810 STEL: 3620 (mg/m3) [United Kingdom (UK)] TWA: 1800 STEL: 2400 from OSHA (PEL) [United States]Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Fruity. Mint-like. Fragrant. Ethereal

Taste: Pungent, Sweetish

Molecular Weight: 58.08 g/mole

Color: Colorless. Clear

pH (1% soln/water): Not available.

Boiling Point: 56.2°C (133.2°F)

Melting Point: -95.35 (-139.6°F)

Critical Temperature: 235°C (455°F)

Specific Gravity: 0.79 (Water = 1)

Vapor Pressure: 24 kPa (@ 20°C)

Vapor Density: 2 (Air = 1)

Volatility: Not available.

Odor Threshold: 62 ppm

Water/Oil Dist. Coeff.: The product is more soluble in water; log(oil/water) = -0.2

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water.

Solubility: Easily soluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, ignition sources, exposure to moisture, air, or water, incompatible materials.

Incompatibility with various substances: Reactive with oxidizing agents, reducing agents, acids, alkalis.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 3000 mg/kg [Mouse]. Acute toxicity of the vapor (LC50): 44000 mg/m3 4 hours [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Reproductive system/toxin/male [SUSPECTED]. Causes damage to the following organs: central nervous system (CNS). May cause damage to the following organs: kidneys, the reproductive system, liver, skin.

Other Toxic Effects on Humans:
Hazardous in case of skin contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:
May affect genetic material (mutagenicity) based on studies with yeast (S. cerevisiae), bacteria, and hamster fibroblast cells. May cause reproductive effects (fertility) based upon animal studies. May contain trace amounts of benzene and formaldehyde which may cancer and birth defects. Human: passes the placental barrier.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: May cause skin irritation. May be harmful if absorbed through the skin. Eyes: Causes eye irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury. Inhalation: Inhalation at high concentrations affects the sense organs, brain and causes respiratory tract irritation. It also may affect the Central Nervous System (behavior) characterized by dizziness, drowsiness, confusion, headache, muscle weakeness, and possibly motor incoordination, speech abnormalities, narcotic effects and coma. Inhalation may also affect the gastrointestinal tract (nausea, vomiting). Ingestion: May cause irritation of the digestive (gastrointestinal) tract (nausea, vomiting). It may also

affect the Central Nevous System (behavior), characterized by depression, fatigue, excitement, stupor, coma, headache, altered sleep time, ataxia, tremors as well at the blood, liver, and urinary system (kidney, bladder, ureter) and endocrine system. May also have musculoskeletal effects. Chronic Potential Health Effects: Skin: May cause dermatitis. Eyes: Eye irritation.

Section 12: Ecological Information

Ecotoxicity:
Ecotoxicity in water (LC50): 5540 mg/l 96 hours [Trout]. 8300 mg/l 96 hours [Bluegill]. 7500 mg/l 96 hours [Fatthead Minnow]. 0.1 ppm any hours [Water flea].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Acetone UNNA: 1090 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (male) which would require a warning under the statute: Benzene California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Benzene California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Benzene, Formaldehyde Connecticut hazardous material survey.: Acetone Illinois toxic substances disclosure to employee act: Acetone Illinois chemical safety act: Acetone New York release reporting list: Acetone Rhode Island RTK hazardous substances: Acetone Pennsylvania RTK: Acetone Florida: Acetone Minnesota: Acetone Massachusetts RTK: Acetone Massachusetts spill list: Acetone New Jersey: Acetone New Jersey spill list: Acetone Louisiana spill reporting: Acetone California List of Hazardous Substances (8 CCR 339): Acetone TSCA 8(b) inventory: Acetone TSCA 4(a) final test rules: Acetone TSCA 8(a) IUR: Acetone

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):
R11- Highly flammable. R36- Irritating to eyes. S9- Keep container in a well-ventilated place. S16- Keep away from sources of ignition - No smoking. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References:
-Material safety data sheet issued by: la Commission de la SantÃ© et de la SÃ©curitÃ© du Travail du QuÃ©bec. -The Sigma-Aldrich Library of Chemical Safety Data, Edition II. -Hawley, G.G.. The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987. LOLI, RTECS, HSDB databases. Other MSDSs

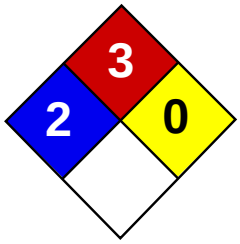
Other Special Considerations: Not available.

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Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Methyl tert-butyl ether MSDS

Section 1: Chemical Product and Company Identification

Product Name: Methyl tert-butyl ether

Catalog Codes: SLM2152

CAS#: 1634-04-4

RTECS: KN5250000

TSCA: TSCA 8(b) inventory: Methyl tert-butyl ether

CI#: Not available.

Synonym:

Chemical Name: Methyl tert-Butyl Ether

Chemical Formula: C5-H12-O

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Methyl {tert-}butyl ether	1634-04-4	100

Toxicological Data on Ingredients: Methyl tert-butyl ether: ORAL (LD50): Acute: 4000 mg/kg [Rat]. 5960 mg/kg [Mouse]. VAPOR (LC50): Acute: 23576 ppm 4 hour(s) [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Extremely hazardous in case of eye contact (irritant), of ingestion. Very hazardous in case of skin contact (irritant), of inhalation. Hazardous in case of skin contact (permeator). Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects:
Extremely hazardous in case of eye contact (irritant), of ingestion. Very hazardous in case of skin contact (irritant), of inhalation. Hazardous in case of skin contact (permeator). CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to lungs, the nervous system, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged inhalation of vapors may lead to chronic respiratory irritation.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 224°C (435.2°F)

Flash Points: CLOSED CUP: -28°C (-18.4°F).

Flammable Limits: LOWER: 2.5% UPPER: 15.1%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Flammable in presence of open flames and sparks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill:
Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/spray. In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes

Storage:
Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. A refrigerated room would be preferable for materials with a flash point lower than 37.8°C (100°F).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Characteristic. (Strong.)

Taste: Not available.

Molecular Weight: 88.15 g/mole

Color: Clear Colorless.

pH (1% soln/water): Not available.

Boiling Point: 55.2°C (131.4°F)

Melting Point: -109°C (-164.2°F)

Critical Temperature: Not available.

Specific Gravity: 0.7405 (Water = 1)

Vapor Pressure: 245 mm of Hg (@ 20°C)

Vapor Density: 3.1 (Air = 1)

Volatility: 100% (v/v).

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, methanol, diethyl ether.

Solubility:

Soluble in methanol, diethyl ether. Partially soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 4000 mg/kg [Rat]. Acute toxicity of the vapor (LC50): 23576 ppm 4 hour(s) [Rat].

Chronic Effects on Humans: The substance is toxic to lungs, the nervous system, mucous membranes.

Other Toxic Effects on Humans:
Extremely hazardous in case of ingestion. Very hazardous in case of skin contact (irritant), of inhalation. Hazardous in case of skin contact (permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: Class 3: Flammable liquid.

Identification: : Methyl tert-butyl ether : UN2398 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Pennsylvania RTK: Methyl tert-butyl ether Massachusetts RTK: Methyl tert-butyl ether TSCA 8(b) inventory: Methyl tert-butyl ether SARA 313 toxic chemical notification and release reporting: Methyl tert-butyl ether CERCLA: Hazardous substances.: Methyl tert-butyl ether

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R11- Highly flammable. R38- Irritating to skin. R41- Risk of serious damage to eyes.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

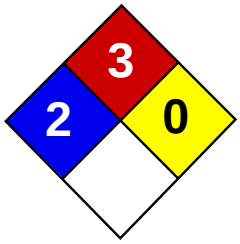
Other Special Considerations: Not available.

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Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
o-Xylene MSDS

Section 1: Chemical Product and Company Identification

Product Name: o-Xylene

Catalog Codes: SLX1012

CAS#: 95-47-6

RTECS: ZE2450000

TSCA: TSCA 8(b) inventory: o-Xylene

CI#: Not applicable.

Synonym: 1,2-Dimethylbenzene

Chemical Name: o-Xylene

Chemical Formula: C6H4(CH3)2

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
{o-}Xylene	95-47-6	100

Toxicological Data on Ingredients: o-Xylene LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects: Hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Classified POSSIBLE for human. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/male [POSSIBLE]. The substance may be toxic to kidneys, liver, upper respiratory tract, skin, eyes, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 463°C (865.4°F)

Flash Points: CLOSED CUP: 17°C (62.6°F).

Flammable Limits: LOWER: 0.9% UPPER: 6.7%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Highly flammable in presence of open flames and sparks, of heat.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of open flames and sparks, of heat.

Fire Fighting Media and Instructions:
Flammable liquid, insoluble in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog.

Special Remarks on Fire Hazards:
Vapors are heavier than air and may travel considerable distance to source of ignition and flash back. When heated to decomposition it emits acrid smoke and irritating fumes.

Special Remarks on Explosion Hazards:
Explosive in the form of vapor when exposed to heat or flame. Vapors may form explosive mixtures with air. Containers may explode when heated. Runoff to sewer may create fire or explosion hazard

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:

Toxic flammable liquid, insoluble or very slightly soluble in water. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids.

Storage:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 434 STEL: 651 (mg/m3) from ACGIH (TLV) [United States] TWA: 100 STEL: 150 (ppm) from ACGIH (TLV) [United States] STEL: 150 (ppm) from NIOSH STEL: 655 (mg/m3) from NIOSHConsult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid. (Mobile, nonpolar liquid.)

Odor: Aromatic. Sweetish.

Taste: Not available.

Molecular Weight: 106.17 g/mole

Color: Colorless.

pH (1% soln/water): Not applicable.

Boiling Point: 144.4°C (291.9°F)

Melting Point: -25°C (-13°F)

Critical Temperature: 359°C (678.2°F)

Specific Gravity: 0.88 (Water = 1)

Vapor Pressure: 0.9 kPa (@ 20°C)

Vapor Density: 3.7 (Air = 1)

Volatility: Not available.

Odor Threshold: 0.05 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 3.1

Ionicity (in Water): Not available.

Dispersion Properties:
Dispersed in diethyl ether. Is not dispersed in cold water, hot water. See solubility in diethyl ether, acetone.

Solubility:
Soluble in diethyl ether, acetone. Insoluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources, flames, incompatible materials.

Incompatibility with various substances: Reactive with oxidizing agents, acids.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Photochemically reactive. Incompatible with strong oxidizers(e.g. chlorine, bromine, fluorine), and strong acids (e.g. nitric acid, acetic acid).

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation.

Toxicity to Animals:
Lowest Published Lethal Dose - Inhalation (LCL): 6125 ppm 12 hours [Rat]; 6125 ppm 12 hours [Human] Lowest Published Lethal Dose - Oral: 5000 mg/kg [Rat]

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. TERATOGENIC EFFECTS: Classified POSSIBLE for human. DEVELOPMENTAL TOXICITY: Classified Reproductive system/ toxin/male [POSSIBLE]. May cause damage to the following organs: kidneys, liver, upper respiratory tract, skin, eyes, central nervous system (CNS).

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:
May cause adverse reproductive effects (male) and birth defects based on animal data. 0347 Animal: embryotoxic, foetotoxic, passes through the placental barrier. 0900 Detected in maternal milk in human. Narcotic effect; may cause nervous system disturbances.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Efffects Skin: May cause skin irritation. May be absorbed through skin i harmful amounts. Eyes: Causes severe eye irritation. Inhalation: Causes respiratory tract and mucous membranes irritation. May affect sense organs, behavior (Central Nervous system) which may result in dizziness, general weakness, central nervous system depression, confusion, ataxia, disorientation, lethargy, drowsiness, headaches. May also affect respiration, cardiovascular system, liver, blood, and digestive system (nausea, vomiting) Ingestion: Harmful if swallowed. Causes digestive tract irritation with nausea, vomiting

and diarrhea. May also affect metabolism, liver, and urinary system, and central nervous system (excitement followed by headache, dizziness, drowsiness and nausea). Chronic Potential Health Effects: Skin: Prolonged or repeated contact may cause defatting of skin and dermatitis. Eyes: Prolonged or repeated exposure may cause conjunctivitis or permanent eye damage. Inhalation: Chronic inhalation may cause effects similar to those of acute inhalation.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Xylene UNNA: 1307 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut hazardous material survey.: o-Xylene Illinois chemical safety act: o-Xylene New York release reporting list: o-Xylene Pennsylvania RTK: o-Xylene Florida: o-Xylene Massachusetts RTK: o-Xylene Massachusetts spill list: o-Xylene New Jersey: o-Xylene New Jersey spill list: o-Xylene Louisiana spill reporting: o-Xylene California Director's List of Hazardous Substances: o-Xylene TSCA 8(b) inventory: o-Xylene TSCA 8(d) H and S data reporting: o-Xylene: Effective: 10/4/82; Sunset: 10/4/92 SARA 313 toxic chemical notification and release reporting: o-Xylene CERCLA: Hazardous substances.: o-Xylene: 1000 lbs. (453.6 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References:
-Hawley, G.G.. The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987. -Material safety data sheet emitted by: la Commission de la SantÃ© et de la SÃ©curitÃ© du Travail du QuÃ©bec. -The Sigma-Aldrich Library of Chemical Safety Data, Edition II. -Guide de la loi et du rÃ¨glement sur le transport des marchandises dangeureuses au canada. Centre de conformitÃ© internatinal LtÃ©e. 1986.

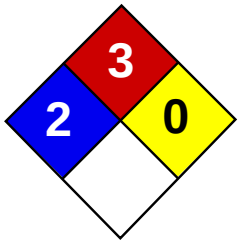
Other Special Considerations: Not available.

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Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Xylenes MSDS

Section 1: Chemical Product and Company Identification

Product Name: Xylenes

Catalog Codes: SLX1075, SLX1129, SLX1042, SLX1096

CAS#: 1330-20-7

RTECS: ZE2100000

TSCA: TSCA 8(b) inventory: Xylenes

CI#: Not available.

Synonym: Xylenes; Dimethylbenzene; xylol; methyltoluene

Chemical Name: Xylenes (o-, m-, p- isomers)

Chemical Formula: C6H4(CH3)2

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Xylenes	1330-20-7	100

Toxicological Data on Ingredients: Xylenes: ORAL (LD50): Acute: 4300 mg/kg [Rat]. 2119 mg/kg [Mouse]. DERMAL (LD50): Acute: >1700 mg/kg [Rabbit].

Section 3: Hazards Identification

Potential Acute Health Effects: Hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, kidneys, liver, mucous membranes, bone marrow, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 464°C (867.2°F)

Flash Points: CLOSED CUP: 24°C (75.2°F). (Tagliabue.) OPEN CUP: 37.8°C (100°F).

Flammable Limits: LOWER: 1% UPPER: 7%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances:
Highly flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of open flames and sparks, of heat.

Fire Fighting Media and Instructions:
Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards: Vapors may travel to source of ignition and flash back.

Special Remarks on Explosion Hazards:
Vapors may form explosive mixtures with air. Containers may explode when heated. May polymerize explosively when heated. An attempt to chlorinate xylene with 1,3-Dichloro-5,5-dimethyl-2,4-imidazolidindione (dichlorohydrantoin) caused a violent explosion

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined

areas; dike if needed. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids.

Storage:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 100 (ppm) [Canada] TWA: 435 (mg/m3) [Canada] TWA: 434 STEL: 651 (mg/m3) from ACGIH (TLV) [United States] TWA: 100 STEL: 150 (ppm) from ACGIH (TLV) [United States] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Sweetish.

Taste: Not available.

Molecular Weight: 106.17 g/mole

Color: Colorless. Clear

pH (1% soln/water): Not available.

Boiling Point: 138.5°C (281.3°F)

Melting Point: -47.4°C (-53.3°F)

Critical Temperature: Not available.

Specific Gravity: 0.864 (Water = 1)

Vapor Pressure: 0.9 kPa (@ 20°C)

Vapor Density: 3.7 (Air = 1)

Volatility: Not available.

Odor Threshold: 1 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 3.1

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:
Insoluble in cold water, hot water. Miscible with absolute alcohol, ether, and many other organic liquids.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources, incompatibles

Incompatibility with various substances: Reactive with oxidizing agents, acids.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Store away from acetic acid, nitric acid, chlorine, bromine, and fluorine.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 2119 mg/kg [Mouse]. Acute dermal toxicity (LD50): >1700 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 5000 4 hours [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. May cause damage to the following organs: blood, kidneys, liver, mucous membranes, bone marrow, central nervous system (CNS).

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals:
Lowest Lethal Dose: LDL [Human] - Route: Oral; Dose: 50 mg/kg LCL [Man] - Route: Oral; Dose: 10000 ppm/6H

Special Remarks on Chronic Effects on Humans:
Detected in maternal milk in human. Passes through the placental barrier in animal. Embryotoxic and/or foetotoxic in animal. May cause adverse reproductive effects (male and femael fertility (spontaneous abortion and fetotoxicity)) and birth defects based animal data.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Causes skin irritation. Can be absorbed through skin. Eyes: Causes eye irritation. Inhalation: Vapor causes respiratory tract and mucous membrane irritation. May affect central nervous system and behavior (General anesthetic/CNS depressant with effects including headache, weakness, memory loss, irritability, dizziness, giddiness, loss of coordination and judgement, respiratory depression/arrest or difficulty breathing, loss of appetite, nausea, vomiting, shivering, and possible coma and death). May also affects blood, sense organs, liver, and peripheral nerves. Ingestion: May cause gastrointestinal irritation including abdominal pain, vomiting, and nausea. May also affect liver and urinary system/ kidneys. May cause effects similar to those of acute inhalation. Chronic Potential Health Effects: Chronic inhalation may affect the urinary system (kidneys) blood (anemia), bone marrow (hyperplasia of bone marrow) brain/behavior/Central Nervous system. Chronic inhalation may alsocause mucosal bleeding. Chronic ingestion may affect the liver and metabolism (loss of appetite) and may affect urinary system (kidney damage)

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Xylenes UNNA: 1307 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut hazardous material survey.: Xylenes Illinois chemical safety act: Xylenes New York acutely hazardous substances: Xylenes Rhode Island RTK hazardous substances: Xylenes Pennsylvania RTK: Xylenes Minnesota: Xylenes Michigan critical material: Xylenes Massachusetts RTK: Xylenes Massachusetts spill list: Xylenes New Jersey: Xylenes New Jersey spill list: Xylenes Louisiana spill reporting: Xylenes California Director's List of Hazardous Substances: Xylenes TSCA 8(b) inventory: Xylenes SARA 302/304/311/312 hazardous chemicals: Xylenes SARA 313 toxic chemical notification and release reporting: Xylenes CERCLA: Hazardous substances.: Xylenes: 100 lbs. (45.36 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R10- Flammable. R21- Harmful in contact with skin. R36/38- Irritating to eyes and skin. S2- Keep out of the reach of children. S36/37- Wear suitable protective clothing and gloves. S46- If swallowed, seek medical advice immediately and show this container or label.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/11/2005 12:54 PM

Last Updated: 05/21/2013 12:00 PM

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Semi-Volatile Organic Compounds

TCI AMERICA

Material Safety Data Sheet

HAZARD WARNINGS	RISK PHRASES	PROTECTIVE CLOTHING
	**Irritating to skin, eyes, and the respiratory system.**	

Section I. Chemical Product and Company Identification

Chemical Name **Acenaphthylene**

Catalog Number	A0005
Synonym	Not available.
Chemical Formula	$C_{12}H_8$
CAS Number	208-96-8

Supplier
TCI America
9211 N. Harborgate St.
Portland OR
1-800-423-8616

In case of Emergency Call
Chemtrec®
(800) 424-9300 (U.S.)
(703) 527-3887 (International)

Section II. Composition and Information on Ingredients

Chemical Name	CAS Number	Percent (%)	TLV/PEL	Toxicology Data
Acenaphthylene	208-96-8	Min. 90.0 (GC)	Not available.	Not available.

Section III. Hazards Identification

Acute Health Effects

Irritating to eyes and skin on contact. Inhalation causes irritation of the lungs and respiratory system. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.

Chronic Health Effects

CARCINOGENIC EFFECTS : Not available.
MUTAGENIC EFFECTS : Not available.
TERATOGENIC EFFECTS : Not available.
Toxicity to the reproductive system: Not available. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section IV. First Aid Measures

Eye Contact

Check for and remove any contact lenses. DO NOT use an eye ointment. Flush eyes with running water for a minimum of 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention. Treat symptomatically and supportively.

Skin Contact

If the chemical gets spilled on a clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical touches the victim's exposed skin, such as the hands: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. Seek medical attention. Treat symptomatically and supportively. Wash any contaminated clothing before reusing.

Inhalation

If the victim is not breathing, perform artificial respiration. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, oxygen can be administered. Seek medical attention. Treat symptomatically and supportively.

Ingestion

Remove dentures if any. Have conscious person drink several glasses of water or milk. INDUCE VOMITING by sticking finger in throat. Lower the head so that the vomit will not reenter the mouth and throat. NEVER give an unconscious person anything to ingest. Seek medical attention. Treat symptomatically and supportively.

Section V. Fire and Explosion Data

Flammability	Combustible.	Auto-Ignition	Not available.
Flash Points	Not available.	Flammable Limits	Not available.

Combustion Products

These products are toxic carbon oxides (CO, CO_2).

Fire Hazards

No specific information is available regarding the flammability of this compound in the presence of various materials.

Explosion Hazards

Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.
No additional information is available regarding the risks of explosion.

Fire Fighting Media and Instructions

SMALL FIRE: Use DRY chemicals, CO_2, water spray or foam.
LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.

Continued on Next Page

Section VI. Accidental Release Measures

Spill Cleanup Instructions

In case of a spill and/or a leak, always shut off any sources of ignition, ventilate the area, and exercise caution. Use a shovel to put the material into a convenient waste disposal container. Finish cleaning the spill by rinsing any contaminated surfaces with copious amounts of water.

Section VII. Handling and Storage

Handling and Storage Information

IRRITANT. Store away from heat and sources of ignition. Mechanical exhaust required. When not in use, tightly seal the container and store in a dry, cool place. Avoid excessive heat and light. DO NOT ingest. DO NOT breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.
Always store away from incompatible compounds such as oxidizing agents.

Section VIII. Exposure Controls/Personal Protection

Engineering Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection

Splash goggles. Lab coat. Dust respirator. Boots. Gloves. A MSHA/NIOSH approved respirator must be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.



Exposure Limits

Not available.

Section IX. Physical and Chemical Properties

Physical state @ 20°C	Yellow crystalline powder.	Solubility	Not available.
Specific Gravity	0.9		
Molecular Weight	152.2	Partition Coefficient	Not available.
Boiling Point	280°C (536°F)	Vapor Pressure	Not available.
Melting Point	79 to 89°C (174.2 to 192.2°F)	Vapor Density	Not available.
Refractive Index	Not available.	Volatility	Not available.
Critical Temperature	Not available.	Odor	Not available.
Viscosity	Not available.	Taste	Not available.

Section X. Stability and Reactivity Data

Stability

This material is stable if stored under proper conditions. (See Section VII for instructions)

Conditions of Instability

Avoid excessive heat and light.

Incompatibilities

Reactive with strong oxidizing agents.

Section XI. Toxicological Information

RTECS Number

AB1254000

Routes of Exposure

Eye contact. Ingestion. Inhalation. Skin contact.

Toxicity Data

Not available.

No additional remark.

Chronic Toxic Effects

CARCINOGENIC EFFECTS : Not available.
MUTAGENIC EFFECTS : Not available.
TERATOGENIC EFFECTS : Not available.
Toxicity to the reproductive system: Not available. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Acute Toxic Effects

Irritating to eyes and skin on contact. Inhalation causes irritation of the lungs and respiratory system. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.

Continued on Next Page

Section XII. Ecological Information

Ecotoxicity	Not available.
Environmental Fate	Not available.

Section XIII. Disposal Considerations

Waste Disposal	Recycle to process, if possible. Consult your local or regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state, and local regulations when disposing of this substance.

Section XIV. Transport Information

DOT Classification	Not a DOT controlled material (United States).
PIN Number	Not available.
Proper Shipping Name	Not available.
Packing Group (PG)	Not available.
DOT Pictograms	

Section XV. Other Regulatory Information and Pictograms

TSCA Chemical Inventory (EPA)	This product is **ON** the EPA Toxic Substances Control Act (TSCA) inventory.
WHMIS Classification (Canada)	WHMIS CLASS D-2B: Material causing other toxic effects (TOXIC).
EINECS Number (EEC)	205-917-1
EEC Risk Statements	R36/37/38- Irritating to eyes, respiratory system and skin.
Japanese Regulatory Data	Not available.

Section XVI. Other Information

Version 1.0
Validated on 7/17/2006.
Printed 7/17/2006.

Notice to Reader

TCI laboratory chemicals are for research purposes only and are NOT intended for use as drugs, food additives, households, or pesticides. The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our MSDS sheets are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated MSDS sheets for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, facial mask, fume hood). For proper handling and disposal, always comply with federal, state, and local regulations.

TCI AMERICA

Material Safety Data Sheet

HAZARD WARNINGS	RISK PHRASES	PROTECTIVE CLOTHING
	**Irritating to skin, eyes, and the respiratory system.**	

Section I. Chemical Product and Company Identification

Chemical Name **Acenaphthylene**

Catalog Number	A0005
Synonym	Not available.
Chemical Formula	$C_{12}H_8$
CAS Number	208-96-8

Supplier
TCI America
9211 N. Harborgate St.
Portland OR
1-800-423-8616

In case of Emergency Call
Chemtrec®
(800) 424-9300 (U.S.)
(703) 527-3887 (International)

Section II. Composition and Information on Ingredients

Chemical Name	CAS Number	Percent (%)	TLV/PEL	Toxicology Data
Acenaphthylene	208-96-8	Min. 90.0 (GC)	Not available.	Not available.

Section III. Hazards Identification

Acute Health Effects

Irritating to eyes and skin on contact. Inhalation causes irritation of the lungs and respiratory system. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.

Chronic Health Effects

CARCINOGENIC EFFECTS : Not available.
MUTAGENIC EFFECTS : Not available.
TERATOGENIC EFFECTS : Not available.
Toxicity to the reproductive system: Not available. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section IV. First Aid Measures

Eye Contact

Check for and remove any contact lenses. DO NOT use an eye ointment. Flush eyes with running water for a minimum of 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention. Treat symptomatically and supportively.

Skin Contact

If the chemical gets spilled on a clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical touches the victim's exposed skin, such as the hands: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. Seek medical attention. Treat symptomatically and supportively. Wash any contaminated clothing before reusing.

Inhalation

If the victim is not breathing, perform artificial respiration. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, oxygen can be administered. Seek medical attention. Treat symptomatically and supportively.

Ingestion

Remove dentures if any. Have conscious person drink several glasses of water or milk. INDUCE VOMITING by sticking finger in throat. Lower the head so that the vomit will not reenter the mouth and throat. NEVER give an unconscious person anything to ingest. Seek medical attention. Treat symptomatically and supportively.

Section V. Fire and Explosion Data

Flammability	Combustible.	Auto-Ignition	Not available.
Flash Points	Not available.	Flammable Limits	Not available.

Combustion Products

These products are toxic carbon oxides (CO, CO_2).

Fire Hazards

No specific information is available regarding the flammability of this compound in the presence of various materials.

Explosion Hazards

Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.
No additional information is available regarding the risks of explosion.

Fire Fighting Media and Instructions

SMALL FIRE: Use DRY chemicals, CO_2, water spray or foam.
LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.

Continued on Next Page

Section VI. Accidental Release Measures

Spill Cleanup Instructions

In case of a spill and/or a leak, always shut off any sources of ignition, ventilate the area, and exercise caution. Use a shovel to put the material into a convenient waste disposal container. Finish cleaning the spill by rinsing any contaminated surfaces with copious amounts of water.

Section VII. Handling and Storage

Handling and Storage Information

IRRITANT. Store away from heat and sources of ignition. Mechanical exhaust required. When not in use, tightly seal the container and store in a dry, cool place. Avoid excessive heat and light. DO NOT ingest. DO NOT breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.
Always store away from incompatible compounds such as oxidizing agents.

Section VIII. Exposure Controls/Personal Protection

Engineering Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection

Splash goggles. Lab coat. Dust respirator. Boots. Gloves. A MSHA/NIOSH approved respirator must be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.



Exposure Limits

Not available.

Section IX. Physical and Chemical Properties

Physical state @ 20°C	Yellow crystalline powder.	Solubility	Not available.
Specific Gravity	0.9		
Molecular Weight	152.2	Partition Coefficient	Not available.
Boiling Point	280°C (536°F)	Vapor Pressure	Not available.
Melting Point	79 to 89°C (174.2 to 192.2°F)	Vapor Density	Not available.
Refractive Index	Not available.	Volatility	Not available.
Critical Temperature	Not available.	Odor	Not available.
Viscosity	Not available.	Taste	Not available.

Section X. Stability and Reactivity Data

Stability

This material is stable if stored under proper conditions. (See Section VII for instructions)

Conditions of Instability

Avoid excessive heat and light.

Incompatibilities

Reactive with strong oxidizing agents.

Section XI. Toxicological Information

RTECS Number

AB1254000

Routes of Exposure

Eye contact. Ingestion. Inhalation. Skin contact.

Toxicity Data

Not available.

No additional remark.

Chronic Toxic Effects

CARCINOGENIC EFFECTS : Not available.
MUTAGENIC EFFECTS : Not available.
TERATOGENIC EFFECTS : Not available.
Toxicity to the reproductive system: Not available. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Acute Toxic Effects

Irritating to eyes and skin on contact. Inhalation causes irritation of the lungs and respiratory system. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.

Continued on Next Page

Section XII. Ecological Information

Ecotoxicity	Not available.
Environmental Fate	Not available.

Section XIII. Disposal Considerations

Waste Disposal	Recycle to process, if possible. Consult your local or regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state, and local regulations when disposing of this substance.

Section XIV. Transport Information

DOT Classification	Not a DOT controlled material (United States).
PIN Number	Not available.
Proper Shipping Name	Not available.
Packing Group (PG)	Not available.
DOT Pictograms	

Section XV. Other Regulatory Information and Pictograms

TSCA Chemical Inventory (EPA)	This product is **ON** the EPA Toxic Substances Control Act (TSCA) inventory.
WHMIS Classification (Canada)	WHMIS CLASS D-2B: Material causing other toxic effects (TOXIC).
EINECS Number (EEC)	205-917-1
EEC Risk Statements	R36/37/38- Irritating to eyes, respiratory system and skin.
Japanese Regulatory Data	Not available.

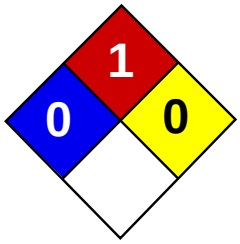
Section XVI. Other Information

Version 1.0
Validated on 7/17/2006.
Printed 7/17/2006.

Notice to Reader

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Health	0
Fire	1
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Anthracene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Anthracene

Catalog Codes: SLA3670

CAS#: 120-12-7

RTECS: CA9350000

TSCA: TSCA 8(b) inventory: Anthracene

CI#: Not available.

Synonym:

Chemical Formula: C14H10

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Anthracene	120-12-7	100

Toxicological Data on Ingredients: Anthracene LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of skin contact (irritant, sensitizer), of eye contact (irritant), of inhalation. Hazardous in case of skin contact (permeator), of ingestion. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects:
Very hazardous in case of skin contact (irritant, sensitizer), of eye contact (irritant), of inhalation. Hazardous in case of skin contact (permeator), of ingestion. CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH, 1 (Clear evidence.) by NTP, + (Proven.) by OSHA. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to kidneys, lungs, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin Contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: 540°C (1004°F)

Flash Points: CLOSED CUP: 121°C (249.8°F).

Flammable Limits: LOWER: 0.6%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid.

Odor: Slight.

Taste: Not available.

Molecular Weight: 178.22 g/mole

Color: Colorless.

pH (1% soln/water): Not applicable.

Boiling Point: 342°C (647.6°F)

Melting Point: 218°C (424.4°F)

Critical Temperature: Not available.

Specific Gravity: 1.25 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: 6.15 (Air = 1)

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Not available.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH, 1 (Clear evidence.) by NTP, + (Proven.) by OSHA. Causes damage to the following organs: kidneys, lungs, mucous membranes.

Other Toxic Effects on Humans:
Very hazardous in case of skin contact (irritant, sensitizer), of inhalation. Hazardous in case of skin contact (permeator), of ingestion.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
Pennsylvania RTK: Anthracene Massachusetts RTK: Anthracene TSCA 8(b) inventory: Anthracene SARA 313 toxic chemical notification and release reporting: Anthracene CERCLA: Hazardous substances.: Anthracene

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R38- Irritating to skin. R41- Risk of serious damage to eyes. R43- May cause sensitization by skin contact. R45- May cause cancer.

HMIS (U.S.A.):

Health Hazard: 0

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 0

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/11/2005 11:19 AM

Last Updated: 05/21/2013 12:00 PM

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MATERIAL SAFETY DATA SHEET

EM SCIENCE

|1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer.....:
EM SCIENCE
A Division of EM Industries
P.O. Box 70
480 Democrat Road
Gibbstown, N.J. 08027

Preparation Date.: 10/25/96

Information Phone Number.: 856-423-6300
Hours: Mon. to Fri. 8:30-5
Chemtrec Emergency Number: 800-424-9300
Hours: 24 hrs a day

Catalog Number(s):

BX0207

Product Name:
1,2-Benzanthracene
Synonyms:
Benzo (A) Anthracene
Chemical Family:
Aromatic Hydrocarbon
Formula:
$C_{18}H_{12}$
Molecular Weight.:
228.29

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS #	Appr %
1,2-Benzanthracene	56-55-3	100%

|3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
SUSPECT CANCER HAZARD. MAY CAUSE CANCER.
HARMFUL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN.
IRRITATING TO SKIN, EYES AND MUCOUS MEMBRANES.
MAY CAUSE DAMAGE TO KIDNEY, URETER, BLADDER.
WARNING: This product contains a chemical(s) known to the State of California to cause cancer.

Appearance:
Light yellow powder

POTENTIAL HEALTH EFFECTS (ACUTE AND CHRONIC)

Symptoms of Exposure:
Harmful if inhaled, swallowed, or absorbed through the skin. Irritating on contact with skin, eyes or mucous membranes. May cause damage to kidney, ureter, bladder. Chronic exposure may cause alteration of genetic material.

Medical Cond. Aggravated by Exposure:
Urinary conditions

Routes of Entry:
Inhalation, ingestion or skin contact.

Carcinogenicity:
Suspected human carcinogenic substance. Suspect Cancer Hazard.
WARNING: This product contains a chemical(s) known to the State of California to cause cancer.

4. FIRST AID MEASURES

Emergency First Aid:
GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE.
Skin: Immediately flush thoroughly with large amounts of water.
Eyes: Immediately flush thoroughly with water for at least 15 minutes.
Inhalation: Remove to fresh air; give artificial respiration if breathing has stopped.
Ingestion: If conscious, drink water and induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.
Remove contaminated clothing and wash before reuse.

5. FIRE FIGHTING MEASURES

Flash Point (F): Noncombustible
Flammable Limits LEL (%): N/A
Flammable Limits UEL (%): N/A
Extinguishing Media:
Foam, Carbon dioxide, Water spray

Fire Fighting Procedures:
Wear self-contained breathing apparatus and protective clothing.

Fire & Explosion Hazards:
Thermal decomposition produces highly toxic fumes.

6. ACCIDENTAL RELEASE MEASURES

Spill Response:
Evacuate the area of all unnecessary personnel. Wear suitable protective equipment listed under Exposure / Personal Protection. Eliminate any ignition sources until the area is determined to be free from explosion or fire hazards. Contain the release and eliminate its source, if this can be done without risk. Take up and containerize for proper disposal as described under Disposal. Comply with Federal, State, and local regulations on reporting releases. Refer to Regulatory Information for reportable quantity and other regulatory data.

7. HANDLING AND STORAGE

Handling & Storage:
Keep container tightly closed. Store in a cool, dry, well-ventilated area. Do not breathe vapor or dust. Do not get in eyes, on skin, or on clothing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT:
Ventilation, Respiratory Protection, Protective Clothing, Eye Protection:
Respiratory Protection: If workplace exposure limit(s) of product or any component is exceeded (see TLV/PEL), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your safety equipment supplier). Engineering and/or administrative controls should be implemented to reduce exposure. Material must be handled or transferred in an approved fume hood or with equivalent ventilation. Protective gloves must be worn to prevent skin contact (Viton or equivalent) Safety glasses with side shields must be worn at all times. Impervious protective clothing should be worn to prevent skin contact.

Work/Hygenic Practices:
Wash thoroughly after handling. Do not take internally. Eye wash and safety equipment should be readily available.

EXPOSURE GUIDELINES

OSHA - PEL:

Component	TWA PPM	TWA MG/M3	STEL PPM	STEL MG/M3	CL PPM	CL MG/M3	Skin
1,2-Benzanthracene							

ACGIH - TLV:

Component	TWA PPM	TWA MG/M3	STEL PPM	STEL MG/M3	CL PPM	CL MG/M3	Skin
1,2-Benzanthracene							

If there are no exposure limit numbers listed in the Exposure Guidelines chart, this indicates that no OSHA or ACGIH exposure limts have been established.

9. PHYSICAL AND CHEMCIAL PROPERTIES

Boiling Point (C 760 mmHg) : 435C Sublimes
Melting Point (C) : 160C
Specific Gravity (H_20 = 1) : N/A
Vapor Pressure (mm Hg) : N/A
Percent Volatile by vol (%): N/A
Vapor Density (Air = 1) : N/A
Evaporation Rate (BuAc = 1): N/A
Solubility in Water (%) : Insoluble
Appearance :
Light yellow powder

10. STABILITY AND REACTIVITY

Stability: Yes

Hazardous Polymerization:
Does not occur

Hazardous Decomposition:
CO_x

Conditions to Avoid:
None indicated

Materials To Avoid:

( ) Water
(X) Acids
(X) Bases
( ) Corrosives
(X) Oxidizers
( ) Other:

11. TOXICOLOGICAL INFORMATION

Toxicity Data

ivn-mus LDLo: 10 mg/kg

Toxicological Findings:
Tests on laboratory animals indicate material may produce adverse mutagenic effects and cause tumors.
Cited in Registry of Toxic Effects of Chemical Substances (RTECS)

12. DISPOSAL CONSIDERATIONS

EPA Waste Numbers: U018

Treatment:
Specified Technology - Incineration to a level below TCA (Total Constituent Analyses) levels. Contact your local permitted waste disposal company (TSD) for permissible treatment site.
ALWAYS CONTACT A PERMITTED WASTE DISPOSER (TSD) TO ASSURE COMPLIANCE WITH ALL CURRENT LOCAL, STATE AND FEDERAL REGULATIONS.

13. TRANSPORT INFORMATION

DOT Proper Shipping Name:
Environmentally Hazardous Substance, Solid, n.o.s. (1,2-Benzanthracene)

DOT ID Number :
UN3077

14. REGULATORY INFORMATION

TSCA Statement:
The CAS number of this product is listed on the TSCA Inventory.

Component	SARA EHS (302)	SARA EHS TPQ (lbs)	CERCLA RQ (lbs)
1,2-Benzanthracene			10

Component	OSHA Floor List	SARA 313	DeMinimis for SARA 313 (%)
1,2-Benzanthracene	Y	Y	0.1

If there is no information listed on the regulatory information chart, this indicates that the chemical is not covered by the specific regulation listed.

15. OTHER INFORMATION

Comments:
None

NFPA Hazard Ratings:

```
Health          : 3
Flammability    : 0
Reactivity      : 0
Special Hazards :
```

Revision History: 1/1/84 7/18/87 1/24/91 3/1/91 11/19/93 3/10/95

| = Revised Section

N/A = Not Available

N/E = None Established

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Material Safety Data Sheet

Benzo[a]pyrene, 98%

MSDS# 37175

Section 1 - Chemical Product and Company Identification

MSDS Name:	Benzo[a]pyrene, 98%
Catalog Numbers:	AC105600000, AC105600010, AC105601000, AC377200000, AC377200010, AC377201000 AC377201000
Synonyms:	3,4-Benzopyrene; 3,4-Benzpyrene; Benzo[def]chrysene.

Company Identification:	Acros Organics BVBA Janssen Pharmaceuticalaan 3a 2440 Geel, Belgium
Company Identification: (USA)	Acros Organics One Reagent Lane Fair Lawn, NJ 07410
For information in the US, call:	800-ACROS-01
For information in Europe, call:	+32 14 57 52 11
Emergency Number, Europe:	+32 14 57 52 99
Emergency Number US:	201-796-7100
CHEMTREC Phone Number, US:	800-424-9300
CHEMTREC Phone Number, Europe:	703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#:	50-32-8
Chemical Name:	Benzo[a]pyrene
%:	>96
EINECS#:	200-028-5

Hazard Symbols: T N





Risk Phrases: 45 46 60 61 43 50/53

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Danger! May cause allergic skin reaction. Cancer hazard. May cause harm to the unborn child. May impair fertility. May cause eye, skin, and respiratory tract irritation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. May cause heritable genetic damage. Target Organs: Reproductive system, skin.

Potential Health Effects

Eye:	May cause eye irritation.
Skin:	May cause skin irritation. May be harmful if absorbed through the skin. May cause an allergic reaction in certain individuals.
Ingestion:	May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated. May be harmful if swallowed.
Inhalation:	May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated. May be harmful if inhaled.

Chronic: May cause cancer in humans. May cause reproductive and fetal effects. Laboratory experiments have resulted in mutagenic effects.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion: Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Autoignition Temperature: Not available.

Flash Point: Not available

Explosion Limits: Lower: Not available

Explosion Limits: Upper: Not available

NFPA Rating: health: 2; flammability: 0; instability: 0;

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Benzo[a]pyrene	0.2 mg/m3 TWA (as benzene soluble aerosol) (listed under Coal tar pitches).	0.1 mg/m3 TWA	0.2 mg/m3 TWA (benzene soluble fraction) (listed under Coal tar pitches).

OSHA Vacated PELs: Benzo[a]pyrene: 0.2 mg/m3 TWA (benzene soluble fraction) (listed under Coal tar pitches)

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Personal Protective Equipment

Eyes:	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin:	Wear appropriate protective gloves to prevent skin exposure.
Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Respirators:	A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State:	Powder
Color:	yellow to brown
Odor:	faint aromatic odor
pH:	Not available
Vapor Pressure:	Not available
Vapor Density:	Not available
Evaporation Rate:	Not available
Viscosity:	Not available
Boiling Point:	495 deg C @ 760 mm Hg (923.00°F)
Freezing/Melting Point:	175 - 179 deg C
Decomposition Temperature:	Not available
Solubility in water:	1.60x10-3 mg/l @25°C
Specific Gravity/Density:	
Molecular Formula:	C20H12
Molecular Weight:	252.31

Section 10 - Stability and Reactivity

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Dust generation.
Incompatibilities with Other Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide.
Hazardous Polymerization	Has not been reported.

Section 11 - Toxicological Information

RTECS#:	CAS# 50-32-8: DJ3675000
LD50/LC50:	RTECS: Not available.
Carcinogenicity:	Benzo[a]pyrene - ACGIH: A1 - Confirmed Human Carcinogen (Coal tar pitches). California: carcinogen, initial date 7/1/87 NTP: Suspect carcinogen IARC: Group 1 carcinogen
Other:	The toxicological properties have not been fully investigated.

Section 12 - Ecological Information

Not available

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT
Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOL (Benzo{a} pyrene)
Hazard Class: 9
UN Number: UN3077
Packing Group: III
Canada TDG
Shipping Name: Not available
Hazard Class:
UN Number:
Packing Group:

USA RQ: CAS# 50-32-8: 1 lb final RQ; 0.454 kg final RQ

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: T N

Risk Phrases:

R 45 May cause cancer.

R 46 May cause heritable genetic damage.

R 61 May cause harm to the unborn child.

R 43 May cause sensitization by skin contact.

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 60 May impair fertility.

Safety Phrases:

S 53 Avoid exposure - obtain special instructions before use.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S 60 This material and its container must be disposed of as hazardous waste.

S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

WGK (Water Danger/Protection)

CAS# 50-32-8: Not available

Canada

CAS# 50-32-8 is listed on Canada's DSL List

Canadian WHMIS Classifications: D2A, D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 50-32-8 is listed on Canada's Ingredient Disclosure List

US Federal

TSCA

CAS# 50-32-8 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 9/02/1997

Revision #8 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

TCI AMERICA

Material Safety Data Sheet

HAZARD WARNINGS	RISK PHRASES	PROTECTIVE CLOTHING
	**Environmental hazard.** **This material is very toxic to aquatic organisms and may cause long term adverse effects to the aquatic environment.** **POSSIBLE MUTAGEN. MINIMIZE EXPOSURE.**	

Section I. Chemical Product and Company Identification

Chemical Name: **Benzo[ghi]perylene**

Catalog Number	B2983
Synonym	Benzo[ghi]perylene (CA INDEX NAME)
Chemical Formula	$C_{22}H_{12}$
CAS Number	191-24-2

Supplier: TCI America
9211 N. Harborgate St.
Portland OR
1-800-423-8616

In case of Emergency Call: **Chemtrec®**
(800) 424-9300 (U.S.)
(703) 527-3887 (International)

Section II. Composition and Information on Ingredients

Chemical Name	CAS Number	Percent (%)	TLV/PEL	Toxicology Data
Benzo[ghi]perylene	191-24-2	Min. 97.0 (GC)	Not available.	Not available.

Section III. Hazards Identification

Acute Health Effects

No specific information is available in our data base regarding the toxic effects of this material for humans. However, exposure to any chemical should be kept to a minimum. Skin and eye contact may result in irritation. May be harmful if inhaled or ingested. Always follow safe industrial hygiene practices and wear proper protective equipment when handling this compound.

Chronic Health Effects

CARCINOGENIC EFFECTS : Not available.
MUTAGENIC EFFECTS : Not available.
TERATOGENIC EFFECTS : Not available.
DEVELOPMENTAL TOXICITY: Not available.
Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.

Section IV. First Aid Measures

Eye Contact

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Inhalation

If the victim is not breathing, perform mouth-to-mouth resuscitation. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, oxygen can be administered. Seek medical attention if respiration problems do not improve.

Ingestion

INDUCE VOMITING by sticking finger in throat. Lower the head so that the vomit will not reenter the mouth and throat. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive.

Section V. Fire and Explosion Data

Flammability	May be combustible at high temperature.	Auto-Ignition	Not available.
Flash Points	Not available.	Flammable Limits	Not available.

Combustion Products

These products are toxic carbon oxides (CO, CO_2).

Fire Hazards

Not available.

Explosion Hazards

Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions

SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.
Consult with local fire authorities before attempting large scale fire-fighting operations.

Continued on Next Page

Section VI. Accidental Release Measures

Spill Cleanup Instructions

Environmentally hazardous material. Possibly mutagenic material.
Use a shovel to put the material into a convenient waste disposal container. Consult federal, state, and/or local authorities for assistance on disposal.

Section VII. Handling and Storage

Handling and Storage Information

ENVIRONMENTAL HAZARD. POSSIBLE MUTAGEN. Keep away from heat. Mechanical exhaust required. When not in use, tightly seal the container and store in a dry, cool place. Avoid excessive heat and light. Do not breathe dust.
Always store away from incompatible compounds such as oxidizing agents.

Section VIII. Exposure Controls/Personal Protection

Engineering Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection

Splash goggles. Lab coat. Dust respirator. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product. Be sure to use a MSHA/NIOSH approved respirator or equivalent.



Exposure Limits

Not available.

Section IX. Physical and Chemical Properties

Physical state @ 20°C	Solid. (Light yellow ~ yellow, crystal ~ powder.)	Solubility	Soluble in benzene, acetone, dioxane, dichloromethane. Insoluble in water (0.26 x 10^{-3}mg/L 25°C).
Specific Gravity	Not available.		
Molecular Weight	276.33	Partition Coefficient	LOG P_{ow}: 6.58
Boiling Point	542°C (1007.6°F)	Vapor Pressure	1.3 x 10^{-8} Pa (@ 25°C)
Melting Point	273°C (523.4°F)	Vapor Density	Not available.
Refractive Index	Not available.	Volatility	Not available.
Critical Temperature	Not available.	Odor	Not available.
Viscosity	Not available.	Taste	Not available.

Section X. Stability and Reactivity Data

Stability

This material is stable if stored under proper conditions. (See Section VII for instructions)

Conditions of Instability

Avoid excessive heat and light. Sensitive to light.

Incompatibilities

Reactive with oxidizing agents.

Section XI. Toxicological Information

RTECS Number

DI6200500

Routes of Exposure

Eye Contact. Ingestion. Inhalation.

Toxicity Data

Not available.

Chronic Toxic Effects

CARCINOGENIC EFFECTS : Not available.
MUTAGENIC EFFECTS : Not available.
TERATOGENIC EFFECTS : Not available.
DEVELOPMENTAL TOXICITY: Not available.
Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.

Acute Toxic Effects

No specific information is available in our data base regarding the toxic effects of this material for humans. However, exposure to any chemical should be kept to a minimum. Skin and eye contact may result in irritation. May be harmful if inhaled or ingested. Always follow safe industrial hygiene practices and wear proper protective equipment when handling this compound.

Section XII. Ecological Information

Ecotoxicity

Not available.

Environmental Fate

Benzo(ghi)perylene may be emitted to the environment by effluents from petroleum refining and coal tar distillation. The combustion of wood, coal, oil, propane, gasoline, and diesel fuels can release benzo(ghi)perylene to the atmosphere. In addition, benzo(ghi)perylene may be released to the environment in various waste streams through industrial effluents, municipal waste water treatment facilities and waste incinerators. If released to air, a vapor pressure of 1.0X10-10 mm Hg at 25 deg C indicates benzo(ghi)perylene will exist solely in the particulate phase in the ambient atmosphere. Particulate-phase benzo(ghi)perylene will be physically removed from the atmosphere by wet and dry deposition. Various studies conclude that benzo(ghi)perylene has the potential to photodegrade in the atmosphere. The photolytic half-life of benzo(ghi)perylene adsorbed to silica, alumina, fly ash, and carbon black substrates were measured as 7, 22, 29, and >1000 hours, respectively, following irradiation with a 400 watt mercury lamp. A first-order photolysis rate of 0.037/hr and derived half-life of 18.7 hours

Continued on Next Page

Printed 1/20/2010.

for benzo(ghi)perylene in acetonitrile irradiated with a xenon lamp with intensity equivalent to 10 times Florida sunshine was determined. If released to soil, benzo(ghi)perylene is expected to have no mobility based upon an estimated Koc of 96,000. Volatilization from moist soil surfaces is not expected to be an important fate process based upon a Henry's Law constant of 2.66X10-7 atm-cu m/mole and benzo(ghi)perylene's high Koc value. Volatilization from dry soil surfaces should not be important given the vapor pressure of this compound. An anaerobic sludge digestion study found that a statistically significant amount benzo(ghi)pyrene was biodegraded over a 32 day incubation period. The half-life of benzo(ghi)perylene in Kidman sandy loam soil was determined to be 173 days (oil refinery waste on soil), 600 days (synthetic mixture on soil), and 863 days (1% creosote on soil). Eighty-one and 76% of an initial concn of 9.96 ug/g benzo(ghi)perylene remained after 240 days in an unacclimated agricultural sandy loam soil incubated at 10 and 20 deg C, respectively; corresponding half-lives were estimated to be about 650 and 600 days. If released into water, benzo(ghi)perylene is expected to adsorb to suspended solids and sediment in water based on the estimated Koc. Within 7 days, an aerobic aqueous screening test inoculated with sewage showed a 60% loss of 1 ppm benzo(ghi)perylene. Volatilization from water surfaces may occur based on its Henry's Law constant but is not expected to be an important fate process due to its high Koc. An estimated BCF of 64,000 suggests the potential for bioconcentration in aquatic organisms is very high. However, those organisms which lack a metabolic detoxification enzyme system, tend to accumulate polycyclic aromatic hydrocarbons. Hydrolysis is not expected to occur due to the lack of hydrolyzable functional groups. Occupational exposure to benzo(ghi)perylene may occur through inhalation of dust particles and dermal contact with this compound at workplaces where combustion of carbon fuels occurs. The general population may be exposed to benzo(ghi)perylene via inhalation of ambient air, ingestion of food and drinking water, and dermal contact with food and other products containing benzo(ghi)perylene.

Section XIII. Disposal Considerations

Waste Disposal	Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

Section XIV. Transport Information

DOT Classification	DOT CLASS 9: Miscellaneous
PIN Number	UN3077
Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s.
Packing Group (PG)	III
DOT Pictograms	

Section XV. Other Regulatory Information and Pictograms

TSCA Chemical Inventory (EPA)	This product is **NOT** on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 40 CFR 720.36 (C) for those products not on the inventory list: (i) These products are supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR 720.0 et sec. (ii) The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on an MSDS sheet.
WHMIS Classification (Canada)	Not available.
EINECS Number (EEC)	205-883-8
EEC Risk Statements	R46- May cause heritable genetic damage. R47- May cause birth defects. R50- Very toxic to aquatic organisms. R53- May cause long-term adverse effects in the aquatic environment.
Japanese Regulatory Data	Not available.

Section XVI. Other Information

Version 1.0
Validated on 1/20/2010.
Printed 1/20/2010.

Notice to Reader

TCI laboratory chemicals are for research purposes only and are NOT intended for use as drugs, food additives, households, or pesticides. The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our MSDS sheets are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated MSDS sheets for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, facial mask, fume hood). For proper handling and disposal, always comply with federal, state, and local regulations.

Worldwide Helpline :+1.347.960.3608
For further enquiries :info@clearsynth.com
For an online quote : click here

- MATERIAL SAFETY DATA SHEET -

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name : Benzo[k]fluoranthene-d12

Company Identification : Clearsynth Labs Pvt. Ltd.
413 Laxmi Mall, New Link Road, Andheri (W),
Mumbai-400 053, INDIA

For information call : ++91-22-26355700
For emergencies call : ++91-22-26355699
For further enquiries : info@clearsynth.com

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	%	EINECS#	Haz Symbols	RISK PHRASES
93952-01-3	Benzo[k]fluoranthene-d12	>95%	-	-	-

Hazard Symbols: XN
Risk Phrases: 22

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Harmful if swallowed.

Potential Health Effects
The toxicological properties of this material have not been investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation. Compound is Non-hazardous,Non-Toxic/Non-Flammable.

SECTION 4 - FIRST AID MEASURES

Eyes:
Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
Skin:
Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion:
Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.
Inhalation:
Remove from exposure and move to fresh air immediately.
Notes to Physician:

SECTION 5 - FIRE FIGHTING MEASURES

General Information:
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or

combustion.
Extinguishing Media:
In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:
Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal.

SECTION 7 - HANDLING and STORAGE

Handling:
Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.
Storage:
Store in a well closed container.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:
Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.
Personal Protective Equipment
Eyes:
Wear safety glasses and chemical goggles if splashing is possible.
Skin:
Wear appropriate protective gloves and clothing to prevent skin exposure.
Clothing:
Wear appropriate protective clothing to minimize contact with skin.
Respirators:
Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State:
Molecular Formula:
NA
Molecular Weight:
264.39

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:
Stable under normal temperatures and pressures.
Conditions to Avoid:
Incompatible materials, strong oxidants.
Incompatibilities with Other Materials:
Strong oxidizing agents, strong bases.
Hazardous Decomposition Products:
Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, nitrogen.
Hazardous Polymerization: Has not been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS#: LD50/LC50:
CAS#:Draize test, rabbit, eye: 100 mg/24H Moderate; Oral, mouse: LD50 = 300 mg/kg; Oral, rabbit: LD50 = 3200 mg/kg; Oral, rat: LD50 = 980 mg/kg.
Carcinogenicity:
Salicylamide -
Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
See actual entry in RTECS for complete information.

SECTION 12 - ECOLOGICAL INFORMATION

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14 - TRANSPORT INFORMATION

IATA No information available.
IMO No information available.
ID/ADR No information available.

SECTION 15 - REGULATORY INFORMATION

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: XN
Risk Phrases:
R 22 Harmful if swallowed.
Safety Phrases:
WGK (Water Danger/Protection)

CAS# United Kingdom Occupational Exposure Limits
United Kingdom Maximum Exposure Limits

Canada
CAS# is listed on Canada's DSL List.
CAS#is not listed on Canada's Ingredient Disclosure List.
Exposure Limits
US FEDERAL
TSCA
CAS# is listed on the TSCA inventory.

SECTION 16 - ADDITIONAL INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

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For an online quote : click here

- MATERIAL SAFETY DATA SHEET -

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Company Identification : Clearsynth Labs Pvt. Ltd.
413 Laxmi Mall, New Link Road, Andheri (W),
Mumbai-400 053, INDIA

For information call : ++91-22-26355700
For emergencies call : ++91-22-26355699
For further enquiries : info@clearsynth.com

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	%	EINECS#	Haz Symbols	RISK PHRASES
93951-98-5	Benzo[b]fluoranthene-d12	>95%	-	-	-

Hazard Symbols: XN
Risk Phrases: 22

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Harmful if swallowed.

Potential Health Effects
The toxicological properties of this material have not been investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation. Compound is Non-hazardous,Non-Toxic/Non-Flammable.

SECTION 4 - FIRST AID MEASURES

Eyes:
Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
Skin:
Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion:
Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.
Inhalation:
Remove from exposure and move to fresh air immediately.
Notes to Physician:

SECTION 5 - FIRE FIGHTING MEASURES

General Information:
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or

combustion.
Extinguishing Media:
In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:
Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal.

SECTION 7 - HANDLING and STORAGE

Handling:
Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.
Storage:
Store in a well closed container.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:
Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.
Personal Protective Equipment
Eyes:
Wear safety glasses and chemical goggles if splashing is possible.
Skin:
Wear appropriate protective gloves and clothing to prevent skin exposure.
Clothing:
Wear appropriate protective clothing to minimize contact with skin.
Respirators:
Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State:
Molecular Formula:
NA
Molecular Weight:
264.39

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:
Stable under normal temperatures and pressures.
Conditions to Avoid:
Incompatible materials, strong oxidants.
Incompatibilities with Other Materials:
Strong oxidizing agents, strong bases.
Hazardous Decomposition Products:
Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, nitrogen.
Hazardous Polymerization: Has not been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS#: LD50/LC50:
CAS#:Draize test, rabbit, eye: 100 mg/24H Moderate; Oral,
mouse: LD50 = 300 mg/kg; Oral, rabbit: LD50 = 3200 mg/kg; Oral, rat:
LD50 = 980 mg/kg.
Carcinogenicity:
Salicylamide -
Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
See actual entry in RTECS for complete information.

SECTION 12 - ECOLOGICAL INFORMATION

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14 - TRANSPORT INFORMATION

IATA No information available.
IMO No information available.
ID/ADR No information available.

SECTION 15 - REGULATORY INFORMATION

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: XN
Risk Phrases:
R 22 Harmful if swallowed.
Safety Phrases:
WGK (Water Danger/Protection)

CAS# United Kingdom Occupational Exposure Limits
United Kingdom Maximum Exposure Limits

Canada
CAS# is listed on Canada's DSL List.
CAS#is not listed on Canada's Ingredient Disclosure List.
Exposure Limits
US FEDERAL
TSCA
CAS# is listed on the TSCA inventory.

SECTION 16 - ADDITIONAL INFORMATION

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Material Safety Data Sheet
Chrysene, 98%

MSDS# 95251

Section 1 - Chemical Product and Company Identification

MSDS Name:	Chrysene, 98%
Catalog Numbers:	AC224140000, AC224140010, AC224140050, AC224145000
Synonyms:	1,2-Benzophenanthrene; Benzo(a)phenanthrene; 1,2,5,6-Dibenzonaphthalene.
Company Identification:	Acros Organics BVBA Janssen Pharmaceuticalaan 3a 2440 Geel, Belgium
Company Identification: (USA)	Acros Organics One Reagent Lane Fair Lawn, NJ 07410
For information in the US, call:	800-ACROS-01
For information in Europe, call:	+32 14 57 52 11
Emergency Number, Europe:	+32 14 57 52 99
Emergency Number US:	201-796-7100
CHEMTREC Phone Number, US:	800-424-9300
CHEMTREC Phone Number, Europe:	703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#:	218-01-9
Chemical Name:	Chrysene
%:	98
EINECS#:	205-923-4

Hazard Symbols: T



Risk Phrases: 45 50/53

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Caution! May cause respiratory tract irritation. May cause eye and skin irritation. May cause cancer in humans. Target Organs: Liver, skin.

Potential Health Effects

Eye:	May cause eye irritation.
Skin:	May cause skin irritation.
Ingestion:	May cause gastrointestinal irritation with nausea, vomiting and diarrhea.
Inhalation:	May cause respiratory tract irritation.
Chronic:	May cause cancer according to animal studies.

Section 4 - First Aid Measures

Eyes:	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion: Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician:

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Autoignition Temperature: Not available.

Flash Point: Not applicable.

Explosion Limits: Lower: Not available

Explosion Limits: Upper: Not available

NFPA Rating: health: ; flammability: 1; instability: ;

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Provide ventilation.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation. Avoid breathing dust.

Storage: Store in a tightly closed container. Store in a cool, dry area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Chrysene	0.2 mg/m3 TWA (as benzene soluble aerosol) (listed under Coal tar pitches).	0.1 mg/m3 TWA	0.2 mg/m3 TWA (benzene soluble fraction) (listed under Coal tar pitches).

OSHA Vacated PELs: Chrysene: 0.2 mg/m3 TWA (benzene soluble fraction) (listed under Coal tar pitches)

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Exposure Limits

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State:	Solid
Color:	very light beige
Odor:	Not available
pH:	Not available
Vapor Pressure:	Not available
Vapor Density:	Not available
Evaporation Rate:	Not available
Viscosity:	Not available
Boiling Point:	448 deg C @ 760 mm Hg (838.40°F)
Freezing/Melting Point:	250-255 deg C
Decomposition Temperature:	Not available
Solubility in water:	insoluble
Specific Gravity/Density:	
Molecular Formula:	C18H12
Molecular Weight:	228.29

Section 10 - Stability and Reactivity

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Dust generation.
Incompatibilities with Other Materials	Not available
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide.
Hazardous Polymerization	Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS# 218-01-9: GC0700000

LD50/LC50: RTECS: Not available.

Carcinogenicity: Chrysene - ACGIH: A1 - Confirmed Human Carcinogen (Coal tar pitches). California: carcinogen, initial date 1/1/90 NTP: Known carcinogen (Coal tar pitches). IARC: Group 1 carcinogen (Coal tar pitches).

Other: See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity: Water flea LC50 = 1.9 mg/L; 2 Hr.; Unspecified

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT
Shipping Name: Please contact Fisher Scientific for shipping information
Hazard Class:
UN Number:
Packing Group:
Canada TDG
Shipping Name: Not available
Hazard Class:
UN Number:
Packing Group:

USA RQ: CAS# 218-01-9: 100 lb final RQ; 45.4 kg final RQ

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: T

Risk Phrases:

R 45 May cause cancer.

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S 53 Avoid exposure - obtain special instructions before use.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S 60 This material and its container must be disposed of as hazardous waste.

S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

WGK (Water Danger/Protection)

CAS# 218-01-9: Not available

Canada

CAS# 218-01-9 is listed on Canada's DSL List

Canadian WHMIS Classifications: D2A

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 218-01-9 is listed on Canada's Ingredient Disclosure List

US Federal

TSCA

CAS# 218-01-9 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 6/30/1999

Revision #6 Date 7/20/2009

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Material Safety Data Sheet

Dibenz[a,h]anthracene, 99% (UV-Vis)

MSDS# 66416

Section 1 - Chemical Product and Company Identification

MSDS Name:	Dibenz[a,h]anthracene, 99% (UV-Vis)
Catalog Numbers:	AC406430000, AC406430010, AC406432500
Synonyms:	1,2:5,6-Dibenz(a)anthracene.
Company Identification:	Acros Organics BVBA Janssen Pharmaceuticalaan 3a 2440 Geel, Belgium
Company Identification: (USA)	Acros Organics One Reagent Lane Fair Lawn, NJ 07410
For information in the US, call:	800-ACROS-01
For information in Europe, call:	+32 14 57 52 11
Emergency Number, Europe:	+32 14 57 52 99
Emergency Number US:	201-796-7100
CHEMTREC Phone Number, US:	800-424-9300
CHEMTREC Phone Number, Europe:	703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#:	53-70-3
Chemical Name:	Dibenz[a,h]anthracene
%:	99
EINECS#:	200-181-8

Hazard Symbols: T N





Risk Phrases: 45 50/53

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Caution! May cause respiratory tract irritation. Cancer suspect agent. May cause eye and skin irritation. Target Organs: None known.

Potential Health Effects

Eye:	May cause eye irritation.
Skin:	May cause skin irritation.
Ingestion:	May cause irritation of the digestive tract.
Inhalation:	May cause respiratory tract irritation.
Chronic:	May cause cancer in humans.

Section 4 - First Aid Measures

Eyes:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Remove contaminated clothing and shoes.
Ingestion:	Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.
Inhalation:	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician:	

Section 5 - Fire Fighting Measures

General Information:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
Extinguishing Media:	Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.
Autoignition Temperature:	Not applicable.
Flash Point:	Not applicable.
Explosion Limits: Lower:	Not available
Explosion Limits: Upper:	Not available
NFPA Rating:	health: 1; flammability: 1; instability: 0;

Section 6 - Accidental Release Measures

General Information:	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:	Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

Section 7 - Handling and Storage

Handling:	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.
Storage:	Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Dibenz[a,h]anthracene	none listed	none listed	none listed

OSHA Vacated PELs: Dibenz[a,h]anthracene: None listed

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Personal Protective Equipment

Eyes:	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin:	Wear appropriate protective gloves to prevent skin exposure.
Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Respirators:	A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State: Solid
Color: off-white
Odor: Not available
pH: Not available
Vapor Pressure: Not available
Vapor Density: Not available
Evaporation Rate: Not available
Viscosity: Not available
Boiling Point: Not available
Freezing/Melting Point: 265 deg C (509.00°F)
Decomposition Temperature: Not available
Solubility in water: Not available
Specific Gravity/Density:
Molecular Formula: C22H14
Molecular Weight: 278.34

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, dust generation, excess heat, strong oxidants.
Incompatibilities with Other Materials: Not available
Hazardous Decomposition Products: Carbon monoxide, carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS# 53-70-3: HN2625000
LD50/LC50: RTECS: Not available.
Carcinogenicity: Dibenz[a,h]anthracene - California: carcinogen, initial date 1/1/88 NTP: Suspect carcinogen IARC: Group 2A carcinogen
Other: See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity: Not available

Other: For more information, see "HANDBOOK OF ENVIRONMENTAL FATE AND EXPOSURE DATA."

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT
Shipping Name: Please contact Fisher Scientific for shipping information
Hazard Class:
UN Number:
Packing Group:
Canada TDG
Shipping Name: Not available
Hazard Class:
UN Number:
Packing Group:

USA RQ: CAS# 53-70-3: 1 lb final RQ; 0.454 kg final RQ

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: T N

Risk Phrases:

R 45 May cause cancer.

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S 53 Avoid exposure - obtain special instructions before use.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S 60 This material and its container must be disposed of as hazardous waste.

S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

WGK (Water Danger/Protection)

CAS# 53-70-3: Not available

Canada

CAS# 53-70-3 is listed on Canada's NDSL List

Canadian WHMIS Classifications: D2A

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 53-70-3 is listed on Canada's Ingredient Disclosure List

US Federal

TSCA

CAS# 53-70-3 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 6/24/1999

Revision #6 Date 7/20/2009

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Material Safety Data Sheet

Fluoranthene, 93%

MSDS# 01667

Section 1 - Chemical Product and Company Identification

MSDS Name:	Fluoranthene, 93%
Catalog Numbers:	AC345980000, AC345980010, AC345982500
Synonyms:	
Company Identification:	Acros Organics BVBA Janssen Pharmaceuticalaan 3a 2440 Geel, Belgium
Company Identification: (USA)	Acros Organics One Reagent Lane Fair Lawn, NJ 07410
For information in the US, call:	800-ACROS-01
For information in Europe, call:	+32 14 57 52 11
Emergency Number, Europe:	+32 14 57 52 99
Emergency Number US:	201-796-7100
CHEMTREC Phone Number, US:	800-424-9300
CHEMTREC Phone Number, Europe:	703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#:	206-44-0
Chemical Name:	Fluoranthene
%:	93%
EINECS#:	205-912-4

Hazard Symbols: XN



Risk Phrases: 22

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Not available Target Organs: None known.

Potential Health Effects

Eye:	May cause eye irritation.
Skin:	May cause skin irritation.
Ingestion:	Harmful if swallowed. May cause irritation of the digestive tract.
Inhalation:	May cause respiratory tract irritation.
Chronic:	

Section 4 - First Aid Measures

Eyes:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin:	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated

clothing and shoes.

Ingestion: Get medical aid. Wash mouth out with water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

Autoignition Temperature: Not available

Flash Point: > 100 deg C (> 212.00 deg F)

Explosion Limits: Lower: Not available

Explosion Limits: Upper: Not available

NFPA Rating: Not published

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

Section 7 - Handling and Storage

Handling: Avoid breathing dust, mist, or vapor. Avoid contact with skin and eyes.

Storage: Store in a cool, dry place. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Fluoranthene	none listed	none listed	none listed

OSHA Vacated PELs: Fluoranthene: None listed

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Personal Protective Equipment

Eyes: Not available

Skin: Wear appropriate protective gloves and clothing to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

Section 9 - Physical and Chemical Properties

Physical State: Crystalline powder

Color: yellow

Odor: odorless

pH: Not available

Vapor Pressure: Not available

Vapor Density: Not available

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: 380 - 34.0 deg C @

Freezing/Melting Point: 109.00 - 111

Decomposition Temperature: Not available

Solubility in water: insoluble

Specific Gravity/Density:

Molecular Formula: C16H10

Molecular Weight: 202.07

Section 10 - Stability and Reactivity

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Incompatible materials.
Incompatibilities with Other Materials	Not available
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide.
Hazardous Polymerization	Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS# 206-44-0: LL4025000

LD50/LC50:
RTECS:
CAS# 206-44-0: Oral, rat: LD50 = 2 gm/kg;
Skin, rabbit: LD50 = 3180 mg/kg;
.

Carcinogenicity: Fluoranthene - IARC: Group 3 (not classifiable)

Other: The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Other: No information available.

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT
Shipping Name: Please contact Fisher Scientific for shipping information
Hazard Class:
UN Number:
Packing Group:
Canada TDG
Shipping Name: Not available
Hazard Class:
UN Number:
Packing Group:

USA RQ: CAS# 206-44-0: 100 lb final RQ; 45.4 kg final RQ

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 22 Harmful if swallowed.

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 206-44-0: Not available

Canada

CAS# 206-44-0 is listed on Canada's NDSL List

Canadian WHMIS Classifications: Not available

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 206-44-0 is listed on Canada's Ingredient Disclosure List

US Federal

TSCA

CAS# 206-44-0 is listed on the TSCA Inventory.

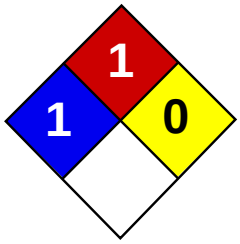
Section 16 - Other Information

MSDS Creation Date: 10/27/1999

Revision #5 Date 7/20/2009

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Health	1
Fire	1
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Fluorene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Fluorene

Catalog Codes: SLF1195

CAS#: 86-73-7

RTECS: LL5670000

TSCA: TSCA 8(b) inventory: Fluorene

CI#: Not available.

Synonym: o-Biphenylenemethane

Chemical Formula: C13H10

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Fluorene	86-73-7	100

Toxicological Data on Ingredients: Not applicable.

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.

Potential Chronic Health Effects:
Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation. CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available.

Section 4: First Aid Measures

Eye Contact: No known effect on eye contact, rinse with water for a few minutes.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact: Not available.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation: Not available.

Ingestion:
Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust.

Storage:
Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Leaflets solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 166.21 g/mole

Color: Colorless.

pH (1% soln/water): Not applicable.

Boiling Point: 295°C (563°F)

Melting Point: 116.5°C (241.7°F)

Critical Temperature: Not available.

Specific Gravity: 1.202 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, diethyl ether.

Solubility:
Soluble in diethyl ether. Insoluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Not considered to be corrosive for metals and glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans:
Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
Pennsylvania RTK: Fluorene Massachusetts RTK: Fluorene TSCA 8(b) inventory: Fluorene CERCLA: Hazardous substances.: Fluorene

Other Regulations: Not available..

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC):
This product is not classified according to the EU regulations.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/09/2005 05:34 PM

Last Updated: 05/21/2013 12:00 PM

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Note : THIS MSDS IS ONLY FOR REFERENCE PURPOSE FOR MORE DETAILS CONTACT :

Worldwide Helpline : +1.415.685.4395
For further enquiries : info@clearsynth.com
For an online quote : click here

- MATERIAL SAFETY DATA SHEET -

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name : Indeno[1,2,3-cd]pyrene-d12

Company Identification : Clearsynth Labs Pvt. Ltd.
413 Laxmi Mall, New Link Road, Andheri (W),
Mumbai-400 053, INDIAIA

For information call : +91-22-26355700
For emergencies call : +91-22-26355699
For further enquiries : info@clearsynth.com

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	%	EINECS#	Haz Symbols	RISK PHRASES
	Indeno[1,2,3-cd]pyrene-d12	>95%	-	-	-

Hazard Symbols: XN
Risk Phrases: 22

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Harmful if swallowed.

Potential Health Effects
The toxicological properties of this material have not been investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation. Compound is Non-hazardous,Non-Toxic/Non-Flammable.

SECTION 4 - FIRST AID MEASURES

Eyes:
Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
Skin:
Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion:
Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.
Inhalation:
Remove from exposure and move to fresh air immediately.
Notes to Physician:

SECTION 5 - FIRE FIGHTING MEASURES

General Information:
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and

full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
Extinguishing Media:
In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:
Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal.

SECTION 7 - HANDLING and STORAGE

Handling:
Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.
Storage:
Store in a well closed container.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:
Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.
Personal Protective Equipment
Eyes:
Wear safety glasses and chemical goggles if splashing is possible.
Skin:
Wear appropriate protective gloves and clothing to prevent skin exposure.
Clothing:
Wear appropriate protective clothing to minimize contact with skin.
Respirators:
Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State:
Molecular Formula:
C22D12
Molecular Weight:
288.4

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:
Stable under normal temperatures and pressures.
Conditions to Avoid:
Incompatible materials, strong oxidants.
Incompatibilities with Other Materials:
Strong oxidizing agents, strong bases.
Hazardous Decomposition Products:
Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, nitrogen.
Hazardous Polymerization: Has not been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS#: LD50/LC50:
CAS#:Draize test, rabbit, eye: 100 mg/24H Moderate; Oral, mouse: LD50 = 300 mg/kg; Oral, rabbit: LD50 = 3200 mg/kg; Oral, rat: LD50 = 980 mg/kg.
Carcinogenicity:
Salicylamide -
Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
See actual entry in RTECS for complete information.

SECTION 12 - ECOLOGICAL INFORMATION

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14 - TRANSPORT INFORMATION

IATA No information available.
IMO No information available.
ID/ADR No information available.

SECTION 15 - REGULATORY INFORMATION

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: XN
Risk Phrases:
R 22 Harmful if swallowed.
Safety Phrases:
WGK (Water Danger/Protection)

CAS# United Kingdom Occupational Exposure Limits
United Kingdom Maximum Exposure Limits

Canada
CAS# is listed on Canada's DSL List.
CAS#is not listed on Canada's Ingredient Disclosure List.
Exposure Limits
US FEDERAL
TSCA
CAS# is listed on the TSCA inventory.

SECTION 16 - ADDITIONAL INFORMATION

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DURAPAX COAL TAR COMMERCIAL ROOFING SYSTEMS

400 Old Reading Pike, Ste 304
Pottstown, PA 19464
Tel: 610-579-9075
Fax: 610-323-0115
www.durapax.com

MATERIAL SAFETY DATA SHEET

COAL TAR ROOFING PITCH

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: COAL TAR ROOFING PITCH

OTHER/GENERIC NAMES: Roofing Pitch

PRODUCT USE: Commercial/Industrial Roofing

MANUFACTURER: Durapax LLC
Commercial Roofing Systems
400 Old Reading Pike, Suite 304
Pottstown PA 19464

FOR MORE INFORMATION CALL:
(Monday-Friday, 8:00am-4:30pm EST)
1-610-579-9075

IN CASE OF EMERGENCY CALL:
(24 Hours/Day, 7 Days/Week)
1-610-579-9075
Chemtrec 1-800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS NUMBER	WEIGHT %
Coal Tar Pitch*	65996-93-2	100

* Mixture of organic compounds, primarily 3 to 40 ringed polynuclear aromatic hydrocarbons, including some substituted compounds. It is estimated that as many as 4500+ compounds may be present.

Trace impurities and additional material names not listed above may also appear in Section 15 towards the end of the MSDS. These materials may be listed for local "Right-To-Know" compliance and for other reasons.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Vapor can cause moderate to severe irritation of eyes, nose, throat and respiratory tract. Can cause burning and itching with reddening of the skin, which is accentuated by sunlight. Burning may emit hazardous fumes, which can form flammable or explosive mixtures.

POTENTIAL HEALTH HAZARDS

SKIN: Contact with skin can result in irritation, which when not washed off or when accentuated by sunlight, can result in minor burns. Contact with heated or molten material can cause severe thermal burns.

EYES: Overexposure to product fumes, vapors or dust can result in irritation and burning. Eye contact with product will result in irritation, which in the absence of recommended first aid can result in effects ranging from minor burns to severe corneal injury, including keratitis, conjunctivitis and corneal abrasion. Contact with heated material may cause thermal burns.

INHALATION: Overexposure to fumes, vapor or dust may result in irritation to respiratory tract. Prolonged exposure in significant excess of permissible air concentrations can result in acute toxic effects, such as coughing, sneezing, headache, dizziness, respiratory difficulty and convulsions.

INGESTION: Irritation of the gastrointestinal tract followed by nausea and vomiting, abdominal discomfort, rapid pulse, etc.

OTHER: Individuals with chronic respiratory disorders, a history of central nervous system (CNS) functional illness or preexisting skin disorders may be more susceptible to the effects of exposure when working with this material.

DELAYED EFFECTS: Prolonged and repeated skin exposure over many months to years, in the absence of recommended hygiene practices, may lead to changes in skin pigmentation and benign skin growths. In some cases, skin cancer may occur after many years of exposure. These effects appear to be exacerbated by simultaneous exposure to ultraviolet light (sunlight). Long term exposure to coal tar pitch volatiles has been associated with the development of skin, kidney, bladder, scrotum and lung cancer.

Ingredients found on one of the OSHA designated carcinogen lists are listed below.

INGREDIENT NAME	NTP STATUS	IARC STATUS	OSHA LIST
Coal Tar Pitch	Known Carcinogen	1 – Known	Carcinogen

4. FIRST AID MEASURES

SKIN: For contact with **MOLTEN** product, do not remove contaminated clothing. Immediately flush skin with large amounts of cold water. If possible, submerge area in cold water. Pack with ice and seek immediate medical attention. For other contact, remove contaminated clothing and wash thoroughly with waterless hand cleaners, olive oil or nonabrasive soap and water. Avoid solvents.

EYES: Flush eyes immediately with large amounts of water or olive oil for at least 15 minutes. Call a physician.

INHALATION: Remove immediately to fresh air. If not breathing, give artificial respiration; preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.

INGESTION: If conscious, first induce vomiting, then take 2 tablespoons of activated charcoal (USP-drug grade) in water. Do not give anything by mouth to an unconscious person. Get immediate medical attention.

ADVICE TO PHYSICIAN: None

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: 190 °C (374 °F) [minimum]
FLASH POINT METHOD: Pensky-Martens Closed Cup
AUTOIGNITION TEMPERATURE: >399 °C (750 °F)

UPPER FLAME LIMIT (volume % in air): Not Determined
LOWER FLAME LIMIT (volume % in air): Not Determined
FLAME PROPAGATION RATE (solids): Not Applicable
OSHA FLAMMABILITY CLASS: Not Determined

EXTINGUISHING MEDIA: Water fog, carbon dioxide, foam, dry chemicals, sand or steam

UNUSUAL FIRE AND EXPLOSION HAZARDS: Sensitive to static discharge. Burning may emit hazardous fumes/vapors which may be in concentrations greater than PEL/TLV's. Coal tar pitch at elevated temperatures may generate vapors that can form flammable/explosive mixtures in the presence of air and a source of ignition. Airborne pitch dust may form explosive mixtures with air. Cloud ignition temperature is 710 °C (1310 °F) minimum. Explosive concentration (dust) is 0.035 ounces/ft^3 (1000 mg/0.03m^3). Closed containers may explode when exposed to extreme heat. Liquid (molten) pitch at elevated temperatures will sustain combustion.

SPECIAL FIRE FIGHTING PRECAUTIONS/INSTRUCTIONS: Wear complete fire service protection equipment, including full-face NIOSH/MSHA approved self-contained breathing apparatus. Use water or water spray to cool fire-exposed containers and structures and to protect personnel. Water/fog can control unconfined pitch fires, but may cause frothing or eruption in closed tanks.

6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR OTHER RELEASE: (Always wear recommended personal protective equipment.)

Avoid breathing vapors and contact with skin and eyes. Avoid contact with hot liquid/fumes/vapors. Avoid sources of ignition (sparks or open flame). Try to stop the source of the leak, if possible, without hazard. Ventilate the area if spill occurs indoors. If hot liquid is spilled, contain by diking/berming with absorbent solids, such as sand, earth, or other inert material. Use of water spray will aid in solidifying molten material and minimize vapor emissions. Release or spillage of solid pitch can be managed as a coal spillage and recovery made avoiding skin and eye contact. Shovel material into dry, labeled containers and secure cover. Contain runoff of fire control water. Do not allow to enter into sewers, waterways or open bodies of water.

Provide cleanup personnel with appropriate protective clothing. Contaminated materials may need to be handled and managed as RCRA Hazardous Waste and treated before disposal in approved facilities (see Section 13). In cases involving release to the environment in the U.S., report releases to Federal, State and Local authorities, as required. Due to the concentration of Benzo(a)pyrene in coal tar pitch and a reportable quantity (RQ) of one (1) pound for this compound, CERCLA (Superfund) release of approximately 18 gallons (200 pounds) of coal tar pitch requires National Response Center notification.

Spills and releases may have to be reported to Federal and/or local authorities. See Section 15 regarding reporting requirements.

7. HANDLING AND STORAGE

NORMAL HANDLING: (Always wear recommended personal protective equipment.)

Avoid prolonged and repeated contact with skin or breathing of dust/fumes/vapors. Avoid creating aerosols. Avoid contact with molten materials. Wear clothing closed at the neck, long sleeves and cotton, leather or non-porous type gloves, [e.g. neoprene, butyl rubber, nitrile, polyvinyl alcohol (PVA), polyvinyl chloride (PVC)].

STORAGE RECOMMENDATIONS:

Recommended temperature for storage is 50 °C (122 °F) above the softening point.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use in areas with adequate natural ventilation or provide sufficient general/local exhaust ventilation in pattern/volume to maintain concentrations below the recommended PEL/TLV and to maintain areas below flammable vapor or explosive dust concentrations.

PERSONAL PROTECTIVE EQUIPMENT

SKIN PROTECTION: Avoid skin contact, whenever possible by using gloves. For exposed skin, use protective creams (for example; MSA's Fend AE-2, Kerodex 51, Jergens SBS-46). Protect exposed skin from direct sunlight. For outdoor work use approved waterproof sunscreens with a SPF 25 or greater; reapply every 90 minutes while in direct sun.

EYE PROTECTION: Safety glasses (with side shields), goggles and/or face shield. Chemical splash goggles or face shield are highly recommended when handling molten material. Do not wear contact lenses when handling this material.

RESPIRATORY PROTECTION: Use a NIOSH/MSHA approved respirator with suitable cartridge (organic vapor/high efficiency particulate air filter) as necessary to control exposures to levels below the TLV or PEL. Not required for properly ventilated areas.

ADDITIONAL RECOMMENDATIONS: Work clothing should be laundered separately from other household clothing. Wash exposed areas thoroughly before eating, drinking, using tobacco products or using a restroom. It is recommended that a complete soap and water shower and/or steam bath be taken at the end of each working day.

EXPOSURE GUIDELINES

INGREDIENT NAME	ACGIH TLV	OSHA PEL	OTHER LIMIT
Coal Tar Pitch Volatiles, CTPV	0.2mg/m^3	0.2mg/m^3	- - -

* = Workplace Environmental Exposure Level (AIHA).
** = Biological Exposure Index (ACGIH).

OTHER EXPOSURE LIMITS FOR POTENTIAL DECOMPOSITION PRODUCTS: None

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Black solid (at 70 °F) or black viscous liquid
MOLECULAR WEIGHT: 700 – 900
CHEMICAL FORMULA: Mixture of organic compounds
ODOR: Aromatic
SPECIFIC GRAVITY (water = 1.0): 1.3 ± 0.04 @ 15.5 °C (60 °F)
SOLUBILITY IN WATER (weight %): Negligible
pH: Not Applicable
BOILING POINT: >240 °C (464 °F)
MELTING POINT: 41 – 64 °C (106 – 147 °F)
VAPOR PRESSURE: None at 20 °C (68 °F)
VAPOR DENSITY (air = 1.0): >1
EVAPORATION RATE: <1 **COMPARED TO:** Butyl Acetate = 1
% VOLATILES: Not Determined
FLASH POINT: 190 °C (374 °F) [minimum]
(Flash point method and additional flammability data are found in Section 5.)

10. STABILITY AND REACTIVITY

NORMALLY STABLE? (CONDITIONS TO AVOID): Product stable under normal conditions. Avoid loading or unloading near open flame.

INCOMPATIBILITIES: Avoid contact with water when confined and in a molten state. Avoid contact with strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Material does not decompose under normal conditions of use. Upon excessive heating or burning, the material decomposes, and may emit hazardous fumes/vapors of lower molecular weight compounds, CO_2, CO, NO_x, and SO_2.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

IMMEDIATE (ACUTE) EFFECTS: Refer to Section 3.

DELAYED (SUBCHRONIC AND CHRONIC) EFFECTS: Long term exposure to Coal Tar Pitch Volatiles (CTPV), above the recommended exposure limit, has been associated with the development of skin, kidney, lung, bladder, and scrotum cancer.

OTHER DATA: IARC Group 1 – Sufficient evidence of carcinogenicity in humans. No scientific study supports an association between coal tar pitch exposure and human reproductive hazards. Available data characterizes coal tar pitch as a mutagen.

12. ECOLOGICAL INFORMATION

Not determined.

13. DISPOSAL CONSIDERATIONS

RCRA

Is the unused product a RCRA hazardous waste if discarded? NO
If yes, the RCRA ID number is: Not Applicable

OTHER DISPOSAL CONSIDERATIONS:

In the U.S., dispose of the material as required by applicable federal, state and local regulations. In Canada, dispose of the material in accordance with provincial regulations.

The information offered here is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

14. TRANSPORT INFORMATION

SOLID:
US DOT HAZARD CLASS: UN 3077
US DOT ID NUMBER: RQ, Environmentally Hazardous Substance, Solid, N.O.S., (Benzo(a)pyrene, Dibenz(a,h)anthracene), 9, UN 3077, III

RQ, Other Regulated Substance, Solid, N.O.S., (Benzo(a)pyrene, Dibenz(a,h)anthracene), 9, NA 3077, III

For Domestic Shipments: either shipping name
For Marine Shipments: Use UN 3077, Environmentally Hazardous Substance shipping name

LIQUID (Transported above flash point):
US DOT HAZARD CLASS: UN 3256
US DOT ID NUMBER: RQ, Elevated Temperature Liquid, Flammable, N.O.S., (Benzo(a)pyrene, Dibenz(a,h)anthracene), 3, UN 3256, III

LIQUID (Transported below flash point):
US DOT HAZARD CLASS: UN 3257
US DOT ID NUMBER: RQ, Elevated Temperature Liquid, Flammable, N.O.S., (Benzo(a)pyrene, Dibenz(a,h)anthracene), 9, UN 3257, III

For additional information on shipping regulations affecting this material, contact the information number found in Section 1.

15. REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA)

TSCA INVENTORY STATUS: Listed on EPA's TSCA Inventory
OTHER TSCA ISSUES: Substance of unknown or variable composition

SARA TITLE III/CERCLA

The following substances are considered hazardous by one or more regulatory agencies and were identified in "typical" coal tar pitch samples at concentrations greater than 0.01 percent by weight.

"Reportable Quantities" (RQs) and/or "Threshold Planning Quantities" (TPQs) exist for the following ingredients.

INGREDIENT NAME	CAS #	SARA/CERCLA RQ (lb)	SARA EHS TPQ (lb)
Acenaphthene	83-32-9	100	
Anthracene	120-12-7	5000	
Benzo(a)anthracene	56-55-3	10	
Benzo(c)acridine	225-51-4	100	
Benzo(b)fluoranthene	205-99-2	1	
Benzo(k)fluoranthene	207-08-9	5000	
Benzo(j)fluoranthene	205-82-3	- - -	
Benzo(g,h,i)perylene	191-24-2	5000	
Benzo(a)pyrene	50-32-8	1	
Benzo(e)pyrene	192-97-2	- - -	
Chrysene	218-01-9	100	

Dibenz(a,h)anthracene	53-70-3	1	
Dibenzofuran	132-64-9	100	
Fluoranthene	206-44-0	100	
Fluorene	86-73-7	5000	
Indeno(1,2,3-cd)pyrene	193-39-5	100	
2-Methylnaphthalene	91-57-6	- - -	
Naphthalene	91-20-3	100	
Phenanthrene	85-01-8	5000	
Pyrene	129-00-0	5000	1000/10,000*

* *See 40 CFR 355.30(2)(i)*

Spills or releases resulting in the loss of any ingredient at or above its RQ requires immediate notification to the National Response Center [(800) 424-8802] and to your Local Emergency Planning Committee.

SECTION 311 HAZARD CLASS: Immediate, Delayed, Fire

SARA 313 TOXIC CHEMICALS:
The following ingredients are SARA 313 "Toxic Chemicals". Also see Section 2.

INGREDIENT NAME	**CAS #**	***WEIGHT %***
*Benzo(a)anthracene	56-55-3	0.7
*Benzo(a)pyrene	50-32-8	0.4
*Benzo(b)fluoranthene	205-99-2	0.8 (includes (k))
*Benzo(k)fluoranthene	207-08-9	included above
*Benzo(j)fluoranthene	205-82-3	0.2
*Benzo(g,h,i)perylene	191-24-2	0.2
*Chrysene	218-01-9	0.2
*Indeno(1,2,3-cd)pyrene	193-39-5	0.2
Phenanthrene	85-01-8	1.8
Polycyclic Aromatic Compounds (20 compounds)	-	3.2

* Also included in “polycyclic aromatic compound” category

STATE RIGHT-TO-KNOW

In addition to the ingredients found in Section 2, the following are listed for state right-to-know purposes.

INGREDIENT NAME	**WEIGHT %**	**COMMENT**
No ingredients listed in this section		

ADDITIONAL REGULATORY INFORMATION: California Proposition 65 material - Contains chemicals known to the State of California to cause cancer, birth defects, & other reproductive harm.

WHMIS CLASSIFICATION (CANADA): Class D, Division 2, Subdivision A
Class D, Division 2, Subdivision B

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

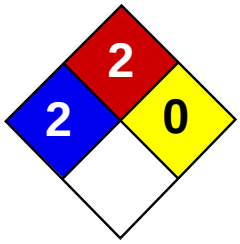
FOREIGN INVENTORY STATUS: Listed on the EINECS Inventory – ID# 2660282
Listed on Canadian Inventory Domestic Substance List (DSL)

16. OTHER INFORMATION

CURRENT ISSUE DATE: April 2005
PREVIOUS ISSUE DATE:

CHANGES TO MSDS FROM PREVIOUS ISSUE DATE ARE DUE TO THE FOLLOWING:
None





Health	2
Fire	2
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Naphthalene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Naphthalene

Catalog Codes: SLN1789, SLN2401

CAS#: 91-20-3

RTECS: QJ0525000

TSCA: TSCA 8(b) inventory: Naphthalene

CI#: Not available.

Synonym:

Chemical Name: Not available.

Chemical Formula: C10H8

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Naphthalene	91-20-3	100

Toxicological Data on Ingredients: Naphthalene: ORAL (LD50): Acute: 490 mg/kg [Rat]. 533 mg/kg [Mouse]. 1200 mg/kg [Guinea pig]. DERMAL (LD50): Acute: 20001 mg/kg [Rabbit]. VAPOR (LC50): Acute: 170 ppm 4 hour(s) [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of ingestion. Hazardous in case of eye contact (irritant), of inhalation. Slightly hazardous in case of skin contact (irritant, permeator). Severe over-exposure can result in death.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Classified Development toxin [POSSIBLE]. The substance is toxic to blood, kidneys, the nervous system, the reproductive system, liver, mucous membranes, gastrointestinal tract, upper respiratory tract, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact: Not available.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:
Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 567°C (1052.6°F)

Flash Points: CLOSED CUP: 88°C (190.4°F). OPEN CUP: 79°C (174.2°F).

Flammable Limits: LOWER: 0.9% UPPER: 5.9%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable solid. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Flammable solid. Stop leak if without risk. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. Avoid contact with eyes Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage:
Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. Keep container dry. Keep in a cool place.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
Israel: TWA: 10 (ppm) TWA: 10 STEL: 15 (ppm) from ACGIH (TLV) [1995] TWA: 52 STEL: 79 (mg/m3) from ACGIH [1995] Australia: STEL: 15 (ppm) Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Crystalline solid.)

Odor: Aromatic.

Taste: Not available.

Molecular Weight: 128.19 g/mole

Color: White.

pH (1% soln/water): Not available.

Boiling Point: 218°C (424.4°F)

Melting Point: 80.2°C (176.4°F)

Critical Temperature: Not available.

Specific Gravity: 1.162 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: 4.4 (Air = 1)

Volatility: Not available.

Odor Threshold: 0.038 ppm

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties:
Partially dispersed in hot water, methanol, n-octanol. Very slightly dispersed in cold water. See solubility in methanol, n-octanol.

Solubility:
Partially soluble in methanol, n-octanol. Very slightly soluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Highly reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: May attack some forms of rubber and plastic

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 490 mg/kg [Rat]. Acute dermal toxicity (LD50): 20001 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 170 ppm 4 hour(s) [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH. DEVELOPMENTAL TOXICITY: Classified Development toxin [POSSIBLE]. The substance is toxic to blood, kidneys, the nervous system, the reproductive system, liver, mucous membranes, gastrointestinal tract, upper respiratory tract, central nervous system (CNS).

Other Toxic Effects on Humans:
Very hazardous in case of ingestion. Hazardous in case of inhalation. Slightly hazardous in case of skin contact (irritant, permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Ecotoxicity in water (LC50): 305.2 ppm 96 hour(s) [Trout].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 4.1: Flammable solid.

Identification: : Naphthalene, refined : UN1334 PG: III

Special Provisions for Transport: Marine Pollutant

Section 15: Other Regulatory Information

Federal and State Regulations:
Rhode Island RTK hazardous substances: Naphthalene Pennsylvania RTK: Naphthalene Florida: Naphthalene Minnesota: Naphthalene Massachusetts RTK: Naphthalene TSCA 8(b) inventory: Naphthalene TSCA 8(a) PAIR: Naphthalene TSCA 8(d) H and S data reporting: Naphthalene: 06/01/87 SARA 313 toxic chemical notification and release reporting: Naphthalene: 1% CERCLA: Hazardous substances.: Naphthalene: 100 lbs. (45.36 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-4: Flammable solid. CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC). CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):
R36- Irritating to eyes. R40- Possible risks of irreversible effects. R48/22- Harmful: danger of serious damage to health by prolonged exposure if swallowed. R48/23- Toxic: danger of serious damage to health by prolonged exposure through inhalation. R63- Possible risk of harm to the unborn child.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 2

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 2

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

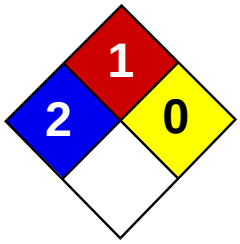
Other Special Considerations: Not available.

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Health	2
Fire	1
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Phenanthrene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Phenanthrene

Catalog Codes: SLP1318

CAS#: 85-01-8

RTECS: SF7175000

TSCA: TSCA 8(b) inventory: Phenanthrene

CI#: Not available.

Synonym:

Chemical Name: Not available.

Chemical Formula: C14H10

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Phenanthrene	85-01-8	100

Toxicological Data on Ingredients: Phenanthrene: ORAL (LD50): Acute: 700 mg/kg [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of skin contact (irritant, sensitizer), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation: Not available.

Ingestion:
Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: OPEN CUP: 171°C (339.8°F).

Flammable Limits: Not available.

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing In

case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes

Storage:
Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid.

Odor: Not available.

Taste: Not available.

Molecular Weight: 178.22 g/mole

Color: Not available.

pH (1% soln/water): Not available.

Boiling Point: 340°C (644°F)

Melting Point: 101°C (213.8°F)

Critical Temperature: Not available.

Specific Gravity: 1.179 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: 6.14 (Air = 1)

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Very slightly soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Eye contact. Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 700 mg/kg [Mouse].

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans:
Hazardous in case of skin contact (irritant, sensitizer), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations: TSCA 8(b) inventory: Phenanthrene

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC):
R36/38- Irritating to eyes and skin. R43- May cause sensitization by skin contact.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

Section 16: Other Information

References: Not available.

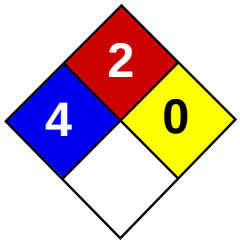
Other Special Considerations: Not available.

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Material Safety Data Sheet
Phenol MSDS

Section 1: Chemical Product and Company Identification

Product Name: Phenol

Catalog Codes: SLP4453, SLP5251

CAS#: 108-95-2

RTECS: SJ3325000

TSCA: TSCA 8(b) inventory: Phenol

CI#: Not available.

Synonym: Monohydroxybenzene; Benzenol; Phenyl hyroxide; Phenylic acid

Chemical Name: Carbolic Acid

Chemical Formula: C6H5OH

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Phenol	108-95-2	100

Toxicological Data on Ingredients: Phenol: ORAL (LD50): Acute: 317 mg/kg [Rat]. 270 mg/kg [Mouse]. DERMAL (LD50): Acute: 630 mg/kg [Rabbit]. 669 mg/kg [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of skin contact (corrosive, irritant), of eye contact (irritant), of ingestion, of inhalation. Hazardous in case of skin contact (sensitizer, permeator). The amount of tissue damage depends on length of contact. Eye contact can result in corneal damage or blindness. Skin contact can produce inflammation and blistering. Inhalation of dust will produce irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing. Severe over-exposure can produce lung damage, choking, unconsciousness or death. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to kidneys, liver, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage. Repeated

exposure of the eyes to a low level of dust can produce eye irritation. Repeated skin exposure can produce local skin destruction, or dermatitis. Repeated inhalation of dust can produce varying degree of respiratory irritation or lung damage. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

Skin Contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used.Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: 715°C (1319°F)

Flash Points: CLOSED CUP: 79°C (174.2°F). OPEN CUP: 85°C (185°F).

Flammable Limits: LOWER: 1.7% UPPER: 8.6%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances:
Flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards:
Phenol + nitrides results in heat and flammable gas generation. Phenol + mineral oxdizing acids results in fire. Phenol + calcium hypochlorite is an exothermic reaction producing toxic fumes which may ignite.

Special Remarks on Explosion Hazards:
Phenol + sodium nitrite causes explosion on heating. Peroxydisulfuric acid + phenol causes explosion.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Corrosive solid. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep container dry. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids.

Storage:
Air Sensitive. Sensitive to light. Store in light-resistant containers. Moisture sensitive. Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Synthetic apron. Vapor and dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor and dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 5 (ppm) from ACGIH (TLV) [United States] SKIN TWA: 19 (mg/m3) from ACGIH (TLV) [United States] SKIN TWA: 5 from NIOSH [United States] TWA: 19 (mg/m3) from NIOSH [United States] TWA: 5 (ppm) from OSHA (PEL) [United States] TWA: 19 (mg/m3) from OSHA (PEL) [United States] TWA: 5 (ppm) [Canada] TWA: 19 (mg/m3) [Canada]Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid.

Odor:
Distinct, aromatic, somewhat sickening sweet and acrid

Taste: Burning.

Molecular Weight: 94.11 g/mole

Color: Colorless to light pink

pH (1% soln/water): Not available.

Boiling Point: 182°C (359.6°F)

Melting Point: 42°C (107.6°F)

Critical Temperature: 694.2 (1281.6°F)

Specific Gravity: 1.057 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: 3.24 (Air = 1)

Volatility: Not available.

Odor Threshold: 0.048 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 1.5

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, methanol, diethyl ether, acetone.

Solubility:
Easily soluble in methanol, diethyl ether. Soluble in cold water, acetone. Solubility in water: 1g/15 ml water. Soluble in benzene. Very soluble in alcohol, chloroform, glycerol, petroleum, carbon disulfide, volatile and fixed oils, aqueous alkali hydroxides, carbon tetrachloride, acetic acid, liquid sulfur dioxide. Almost insoluble in petroleum ether. Miscible in acetone. Sparingly soluble in mineral oil.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources (flames, sparks), light, incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents, metals, acids, alkalis.

Corrosivity:
Extremely corrosive in presence of copper. Slightly corrosive in presence of stainless steel(304), of stainless steel(316). Non-corrosive in presence of glass, of aluminum.

Special Remarks on Reactivity:
Air and light sensitive. Prone to redden on exposure to light and air. Incompatible with aluminum chloride, peroxydisulfuirc acid, acetaldehyde, sodium nitrite, boron trifluoride diethyl ether + 1,3-butadiene, isocyanates, nitrides, mineral oxidizing acids, calcium hypochlorite, halogens, formaldehyde, metals and alloys, lead, zinc, magnesium and their alloys, plastics, rubber, coatings, sodium nitrate + trifluoroacetic acid. Phenol + isocyanates results in heat generation, and violent polymerization. Phenol + 1,3-butadiene and boron trifluoride diethyl ether complex results in intense exothermic reaction. Phenol + acetaldehyde resultes in violent condensation.

Special Remarks on Corrosivity:
Minor corrosive effect on bronze. Severe corrosive effect on brass.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
Acute oral toxicity (LD50): 270 mg/kg [Mouse]. Acute dermal toxicity (LD50): 630 mg/kg [Rabbit].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. May cause damage to the following organs: kidneys, liver, central nervous system (CNS).

Other Toxic Effects on Humans:
Very hazardous in case of skin contact (corrosive, irritant), of ingestion, . Hazardous in case of skin contact (sensitizer, permeator), of eye contact (corrosive), of inhalation (lung corrosive).

Special Remarks on Toxicity to Animals:
Lowest Published Lethal Dose: LDL [Human] - Route: Oral; Dose: 140 mg/kg LDL [Infant] - Route: Oral; Dose: 10,000 mg/kg

Special Remarks on Chronic Effects on Humans:
Animal: passes through the placental barrier. May cause adverse reproductive effects and birth defects (teratogenic) Embryotoxic and/or foetotoxic in animal. May affect genetic material (mutagenic).

Special Remarks on other Toxic Effects on Humans:

Section 12: Ecological Information

Ecotoxicity:
Ecotoxicity in water (LC50): 125 mg/l 24 hours [Fish (Goldfish)]. >50 mg/l 1 hours [Fish (Fathead minnow)]. >50 mg/l 24 hours [Fish (Fathead minnow)]. >33 mg/l 72 hours [Fish (Fathead minnow)]. >33 ppm 96 hours [Fish (Fathead minnow)].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : Phenol, solid UNNA: 1671 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut hazardous material survey.: Phenol Illinois toxic substances disclosure to employee act: Phenol Illinois chemical safety act: Phenol New York release reporting list: Phenol Rhode Island RTK hazardous substances: Phenol Pennsylvania RTK: Phenol Minnesota: Phenol Massachusetts RTK: Phenol Massachusetts spill list: Phenol New Jersey: Phenol New Jersey spill list: Phenol Louisiana RTK reporting list: Phenol Louisiana spill reporting: Phenol TSCA 8(b) inventory: Phenol TSCA 4(a) proposed test rules: Phenol TSCA 8(a) IUR: Phenol TSCA 8(d) H and S data reporting: Phenol: effective: 6/1/87; sunset:

6/01/97 SARA 302/304/311/312 extremely hazardous substances: Phenol SARA 313 toxic chemical notification and release reporting: Phenol CERCLA: Hazardous substances.: Phenol: 1000 lbs. (453.6 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC). CLASS E: Corrosive solid.

DSCL (EEC):
R24/25- Toxic in contact with skin and if swallowed. R34- Causes burns. R40- Possible risks of irreversible effects. R43- May cause sensitization by skin contact. R52- Harmful to aquatic organisms. S1/2- Keep locked up and out of the reach of children. S24- Avoid contact with skin. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28- After contact with skin, wash immediately with plenty of water S37/39- Wear suitable gloves and eye/face protection. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S46- If swallowed, seek medical advice immediately and show this container or label. S56- Dispose of this material and its container at hazardous or special waste collection point.

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 2

Reactivity: 0

Personal Protection: j

National Fire Protection Association (U.S.A.):

Health: 4

Flammability: 2

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Synthetic apron. Vapor and dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

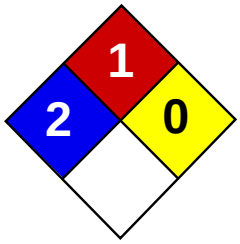
Other Special Considerations: Not available.

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Health	2
Fire	1
Reactivity	0
Personal Protection	C

Material Safety Data Sheet
Pyrene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Pyrene

Catalog Codes: SLP3868

CAS#: 129-00-00

RTECS: UR2450000

TSCA: TSCA 8(b) inventory: Pyrene

CI#: Not available.

Synonym: Benzo(D,E,F)phenanthrene

Chemical Name: Pyrene

Chemical Formula: C16-H10

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Pyrene	129-00-00	100

Toxicological Data on Ingredients: Pyrene: ORAL (LD50): Acute: 2700 mg/kg [Rat]. 800 mg/kg [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, permeator).

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances:
Slightly flammable to flammable in presence of heat, of combustible materials. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of heat. Non-explosive in presence of open flames and sparks.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested,

seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage:
Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 24°C (75.2°F). Preferably refrigerate.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Synthetic apron. Gloves (impervious).

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Crystalline solid. Powdered solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 202.26 g/mole

Color: Yellow.

pH (1% soln/water): Not applicable.

Boiling Point: 404°C (759.2°F)

Melting Point: 151.2°C (304.2°F)

Critical Temperature: Not available.

Specific Gravity: 1.271 @ 23 C (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 4.9

Ionicity (in Water): Not available.

Dispersion Properties:
Is not dispersed in cold water, hot water. See solubility in diethyl ether.

Solubility:
Soluble in diethyl ether. Insoluble in cold water, hot water. Pyrene is fairly soluble in organic solvents. It is soluble in alcohol, benzene, carbon disulfide, ether, petroleum ether, and toluene

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Not available.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 800 mg/kg [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast.

Other Toxic Effects on Humans:
Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:
May affect genetic material (mutagenic). May cause cancer (tumorigenic) according to animal data.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: May cause skin irritation. May be absorbed through skin. Eyes: May cause eye irritation. Conjunctival irritation may be noted. Inhalation: May cause respiratory tract irritaiton. Ingestion: May cause gastrointestinal tract irritation. May affect behavior/Central Nervous System (excitation and muscel spasicity), liver and urinary system, and immune system, and blood.

Section 12: Ecological Information

Ecotoxicity: Ecotoxicity in water (LC50): 1.8 mg/l 48 hours [Water flea].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut carcinogen reporting list.: Pyrene Illinois chemical safety act: Pyrene New York release reporting list: Pyrene Pennsylvania RTK: Pyrene Massachusetts RTK: Pyrene Massachusetts spill list: Pyrene New Jersey: Pyrene New Jersey spill list: Pyrene Louisiana RTK reporting list: Pyrene Louisiana spill reporting: Pyrene California Director's list of Hazardous Substances: Pyrene TSCA 8(b) inventory: Pyrene TSCA 8(a) CAIR: Pyrene TSCA 8(d) H and S data reporting: Pyrene: June 1, 1987-June1, 1997 SARA 302/304/311/312 extremely hazardous substances: Pyrene CERCLA: Hazardous substances.: Pyrene: 5000 lbs. (2268 kg)

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC):
R20/21/22- Harmful by inhalation, in contact with skin and if swallowed. S2- Keep out of the reach of children. S36/37- Wear suitable protective clothing and gloves. S46- If swallowed, seek medical advice immediately and show this container or label.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: C

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves (impervious). Synthetic apron. Not applicable. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/09/2005 06:14 PM

Last Updated: 05/21/2013 12:00 PM

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lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if ScienceLab.com has been advised of the possibility of such damages.

FIGURES

Figure # 1 – Site Location Map

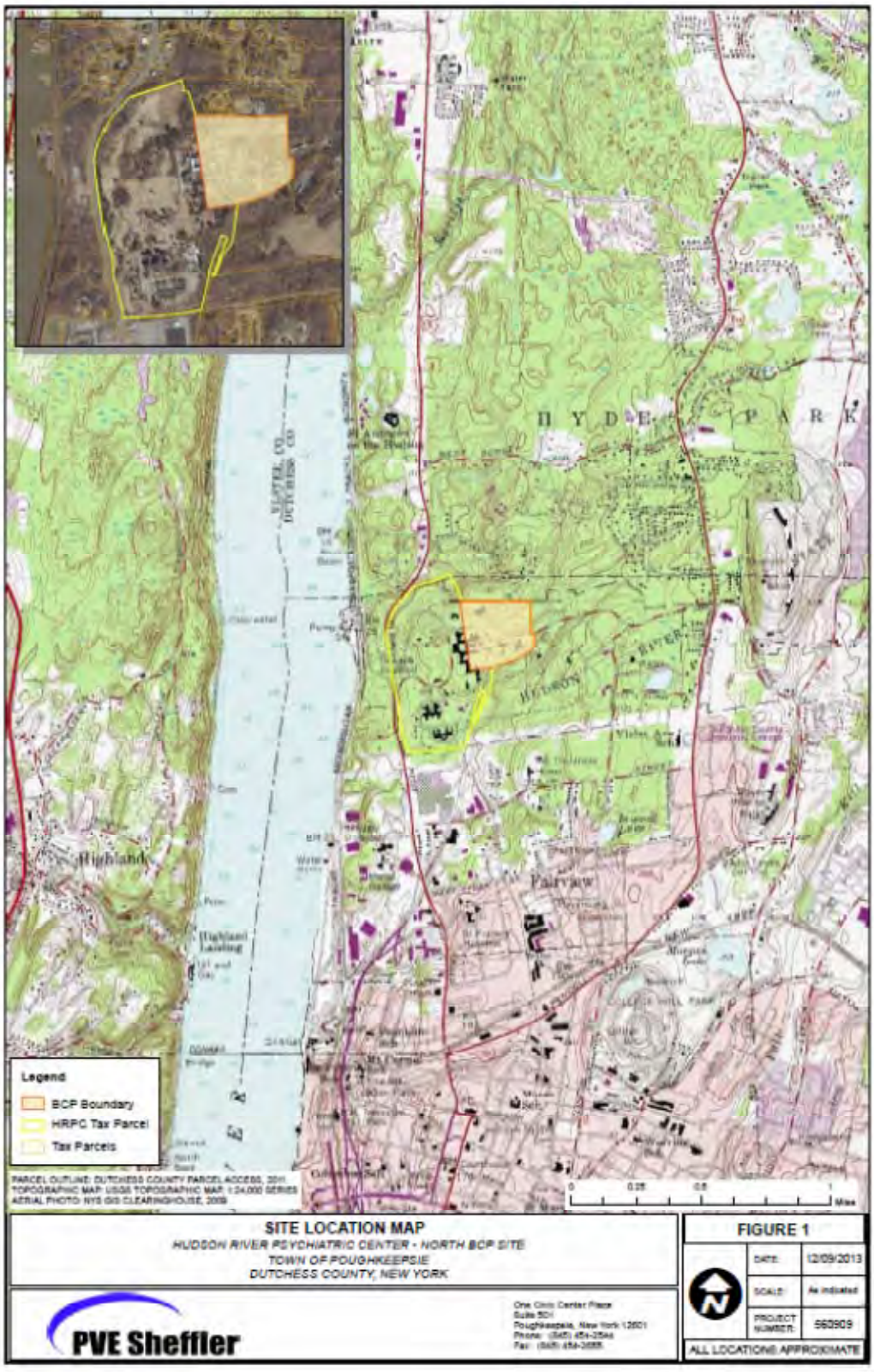
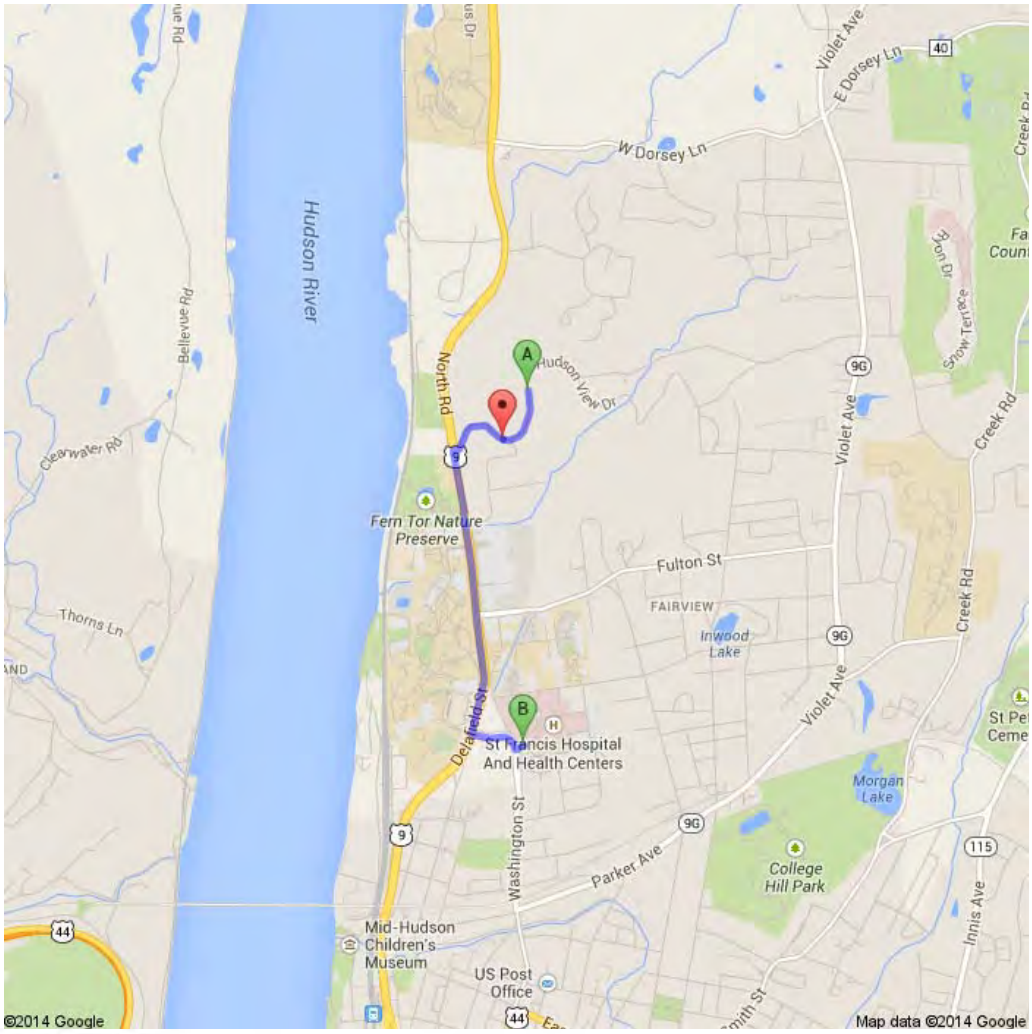


Figure # 2 – Site Features Map



Figure #3 – Route to Nearest Hospital

Directions to Saint Francis Hospital and Health Centers
241 N Rd, Poughkeepsie, NY 12601
1.2 mi – about **4 mins**



A Hudson View Dr

1. Head **south** on **Hudson View Dr** toward **Winslow Gate Rd** — go 0.4 mi
   About 59 secs — total 0.4 mi
2. Take the 1st right to stay on **Hudson View Dr** — go 98 ft
   About 1 min — total 0.4 mi
3. Turn left onto **U.S. 9 S** — go 0.9 mi
   About 2 mins — total 1.3 mi
4. Turn left onto **New York 9G N** — go 0.2 mi — total 1.4 mi
5. Turn left onto **Baker Ave** — go 148 ft
   About 48 secs — total 1.5 mi

B Baker Ave

Appendix D:

Field Data for Community Air Monitoring Plan (CAMP)

Upwind VOC Data Summary		
Maximum	0.2	ppm
Minimum	0.0	ppm
Average	0.0	ppm
Maximum 15-Minute Average	0.2	ppm

Downwind VOC Data Summary		
Maximum	0.6	ppm
Minimum	0.1	ppm
Average	0.3	ppm
Maximum 15-Minute Average	0.5	ppm

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
1	9/28/2015 8:01		
2	9/28/2015 8:02		
3	9/28/2015 8:03		
4	9/28/2015 8:04		
5	9/28/2015 8:05		
6	9/28/2015 8:06		
7	9/28/2015 8:07		
8	9/28/2015 8:08		
9	9/28/2015 8:09		
10	9/28/2015 8:10		
11	9/28/2015 8:11		
12	9/28/2015 8:12		
13	9/28/2015 8:13		
14	9/28/2015 8:14	0.0	
15	9/28/2015 8:15	0.0	0.0
16	9/28/2015 8:16	0.1	0.0
17	9/28/2015 8:17	0.1	0.1
18	9/28/2015 8:18	0.0	0.1
19	9/28/2015 8:19	0.0	0.1
20	9/28/2015 8:20	0.1	0.1
21	9/28/2015 8:21	0.0	0.1
22	9/28/2015 8:22	0.0	0.1
23	9/28/2015 8:23	0.0	0.0
24	9/28/2015 8:24	0.0	0.0
25	9/28/2015 8:25	0.0	0.0
26	9/28/2015 8:26	0.0	0.0
27	9/28/2015 8:27	0.0	0.0
28	9/28/2015 8:28	0.0	0.0
29	9/28/2015 8:29	0.0	0.0
30	9/28/2015 8:30	0.0	0.0
31	9/28/2015 8:31	0.0	0.0
32	9/28/2015 8:32	0.0	0.0
33	9/28/2015 8:33	0.0	0.0
34	9/28/2015 8:34	0.0	0.0
35	9/28/2015 8:35	0.0	0.0
36	9/28/2015 8:36	0.0	0.0
37	9/28/2015 8:37	0.0	0.0
38	9/28/2015 8:38	0.1	0.0
39	9/28/2015 8:39	0.1	0.0
40	9/28/2015 8:40	0.1	0.0
41	9/28/2015 8:41	0.1	0.0
42	9/28/2015 8:42	0.1	0.0

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
1	9/28/2015 8:01	0.2	
2	9/28/2015 8:02	0.2	
3	9/28/2015 8:03	0.2	
4	9/28/2015 8:04	0.3	
5	9/28/2015 8:05	0.3	
6	9/28/2015 8:06	0.3	
7	9/28/2015 8:07	0.3	
8	9/28/2015 8:08	0.3	
9	9/28/2015 8:09	0.3	
10	9/28/2015 8:10	0.3	
11	9/28/2015 8:11	0.4	
12	9/28/2015 8:12	0.4	
13	9/28/2015 8:13	0.4	
14	9/28/2015 8:14	0.4	
15	9/28/2015 8:15	0.4	0.3
16	9/28/2015 8:16	0.4	0.3
17	9/28/2015 8:17	0.4	0.3
18	9/28/2015 8:18	0.4	0.4
19	9/28/2015 8:19	0.5	0.4
20	9/28/2015 8:20	0.5	0.4
21	9/28/2015 8:21	0.5	0.4
22	9/28/2015 8:22	0.5	0.4
23	9/28/2015 8:23	0.5	0.4
24	9/28/2015 8:24	0.5	0.4
25	9/28/2015 8:25	0.5	0.4
26	9/28/2015 8:26	0.5	0.5
27	9/28/2015 8:27	0.5	0.5
28	9/28/2015 8:28	0.5	0.5
29	9/28/2015 8:29	0.5	0.5
30	9/28/2015 8:30	0.5	0.5
31	9/28/2015 8:31	0.5	0.5
32	9/28/2015 8:32	0.5	0.5
33	9/28/2015 8:33	0.5	0.5
34	9/28/2015 8:34	0.5	0.5
35	9/28/2015 8:35	0.5	0.5
36	9/28/2015 8:36	0.5	0.5
37	9/28/2015 8:37	0.5	0.5
38	9/28/2015 8:38	0.5	0.5
39	9/28/2015 8:39	0.5	0.5
40	9/28/2015 8:40	0.5	0.5
41	9/28/2015 8:41	0.5	0.5
42	9/28/2015 8:42	0.5	0.5

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
43	9/28/2015 8:43	0.1	0.0
44	9/28/2015 8:44	0.1	0.0
45	9/28/2015 8:45	0.1	0.1
46	9/28/2015 8:46	0.1	0.1
47	9/28/2015 8:47	0.1	0.1
48	9/28/2015 8:48	0.1	0.1
49	9/28/2015 8:49	0.2	0.1
50	9/28/2015 8:50	0.2	0.1
51	9/28/2015 8:51	0.2	0.1
52	9/28/2015 8:52	0.1	0.1
53	9/28/2015 8:53	0.2	0.1
54	9/28/2015 8:54	0.1	0.1
55	9/28/2015 8:55	0.2	0.1
56	9/28/2015 8:56	0.2	0.1
57	9/28/2015 8:57	0.2	0.1
58	9/28/2015 8:58	0.1	0.1
59	9/28/2015 8:59	0.2	0.1
60	9/28/2015 9:00	0.2	0.2
61	9/28/2015 9:01	0.2	0.2
62	9/28/2015 9:02	0.1	0.2
63	9/28/2015 9:03	0.1	0.2
64	9/28/2015 9:04	0.1	0.2
65	9/28/2015 9:05	0.1	0.2
66	9/28/2015 9:06	0.1	0.1
67	9/28/2015 9:07	0.1	0.1
68	9/28/2015 9:08	0.1	0.1
69	9/28/2015 9:09	0.1	0.1
70	9/28/2015 9:10	0.1	0.1
71	9/28/2015 9:11	0.1	0.1
72	9/28/2015 9:12	0.1	0.1
73	9/28/2015 9:13	0.1	0.1
74	9/28/2015 9:14	0.1	0.1
75	9/28/2015 9:15	0.1	0.1
76	9/28/2015 9:16	0.1	0.1
77	9/28/2015 9:17	0.0	0.1
78	9/28/2015 9:18	0.0	0.1
79	9/28/2015 9:19	0.0	0.1
80	9/28/2015 9:20	0.0	0.1
81	9/28/2015 9:21	0.0	0.1
82	9/28/2015 9:22	0.0	0.1
83	9/28/2015 9:23	0.0	0.0
84	9/28/2015 9:24	0.0	0.0
85	9/28/2015 9:25	0.0	0.0
86	9/28/2015 9:26	0.0	0.0
87	9/28/2015 9:27	0.0	0.0
88	9/28/2015 9:28	0.0	0.0
89	9/28/2015 9:29	0.0	0.0
90	9/28/2015 9:30	0.0	0.0
91	9/28/2015 9:31	0.0	0.0
92	9/28/2015 9:32	0.0	0.0

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
43	9/28/2015 8:43	0.5	0.5
44	9/28/2015 8:44	0.6	0.5
45	9/28/2015 8:45	0.6	0.5
46	9/28/2015 8:46	0.5	0.5
47	9/28/2015 8:47	0.5	0.5
48	9/28/2015 8:48	0.5	0.5
49	9/28/2015 8:49	0.6	0.5
50	9/28/2015 8:50	0.5	0.5
51	9/28/2015 8:51	0.5	0.5
52	9/28/2015 8:52	0.5	0.5
53	9/28/2015 8:53	0.5	0.5
54	9/28/2015 8:54	0.5	0.5
55	9/28/2015 8:55	0.5	0.5
56	9/28/2015 8:56	0.5	0.5
57	9/28/2015 8:57	0.5	0.5
58	9/28/2015 8:58	0.5	0.5
59	9/28/2015 8:59	0.5	0.5
60	9/28/2015 9:00	0.5	0.5
61	9/28/2015 9:01	0.5	0.5
62	9/28/2015 9:02	0.5	0.5
63	9/28/2015 9:03	0.5	0.5
64	9/28/2015 9:04	0.5	0.5
65	9/28/2015 9:05	0.5	0.5
66	9/28/2015 9:06	0.5	0.5
67	9/28/2015 9:07	0.5	0.5
68	9/28/2015 9:08	0.5	0.5
69	9/28/2015 9:09	0.5	0.5
70	9/28/2015 9:10	0.5	0.5
71	9/28/2015 9:11	0.5	0.5
72	9/28/2015 9:12	0.5	0.5
73	9/28/2015 9:13	0.5	0.5
74	9/28/2015 9:14	0.5	0.5
75	9/28/2015 9:15	0.5	0.5
76	9/28/2015 9:16	0.4	0.5
77	9/28/2015 9:17	0.4	0.5
78	9/28/2015 9:18	0.4	0.5
79	9/28/2015 9:19	0.4	0.5
80	9/28/2015 9:20	0.4	0.5
81	9/28/2015 9:21	0.4	0.5
82	9/28/2015 9:22	0.4	0.5
83	9/28/2015 9:23	0.4	0.4
84	9/28/2015 9:24	0.4	0.4
85	9/28/2015 9:25	0.4	0.4
86	9/28/2015 9:26	0.4	0.4
87	9/28/2015 9:27	0.4	0.4
88	9/28/2015 9:28	0.4	0.4
89	9/28/2015 9:29	0.4	0.4
90	9/28/2015 9:30	0.4	0.4
91	9/28/2015 9:31	0.4	0.4
92	9/28/2015 9:32	0.4	0.4

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
93	9/28/2015 9:33	0.0	0.0
94	9/28/2015 9:34	0.0	0.0
95	9/28/2015 9:35	0.0	0.0
96	9/28/2015 9:36	0.0	0.0
97	9/28/2015 9:37	0.0	0.0
98	9/28/2015 9:38	0.0	0.0
99	9/28/2015 9:39	0.0	0.0
100	9/28/2015 9:40	0.0	0.0
101	9/28/2015 9:41	0.0	0.0
102	9/28/2015 9:42	0.0	0.0
103	9/28/2015 9:43	0.0	0.0
104	9/28/2015 9:44	0.0	0.0
105	9/28/2015 9:45	0.0	0.0
106	9/28/2015 9:46	0.0	0.0
107	9/28/2015 9:47	0.0	0.0
108	9/28/2015 9:48	0.0	0.0
109	9/28/2015 9:49	0.0	0.0
110	9/28/2015 9:50	0.0	0.0
111	9/28/2015 9:51	0.0	0.0
112	9/28/2015 9:52	0.0	0.0
113	9/28/2015 9:53	0.0	0.0
114	9/28/2015 9:54	0.0	0.0
115	9/28/2015 9:55	0.0	0.0
116	9/28/2015 9:56	0.0	0.0
117	9/28/2015 9:57	0.0	0.0
118	9/28/2015 9:58	0.0	0.0
119	9/28/2015 9:59	0.0	0.0
120	9/28/2015 10:00	0.0	0.0
121	9/28/2015 10:01	0.0	0.0
122	9/28/2015 10:02	0.0	0.0
123	9/28/2015 10:03	0.0	0.0
124	9/28/2015 10:04	0.0	0.0
125	9/28/2015 10:05	0.0	0.0
126	9/28/2015 10:06	0.0	0.0
127	9/28/2015 10:07	0.0	0.0
128	9/28/2015 10:08	0.0	0.0
129	9/28/2015 10:09	0.0	0.0
130	9/28/2015 10:10	0.0	0.0
131	9/28/2015 10:11	0.0	0.0
132	9/28/2015 10:12	0.0	0.0
133	9/28/2015 10:13	0.0	0.0
134	9/28/2015 10:14	0.0	0.0
135	9/28/2015 10:15	0.0	0.0
136	9/28/2015 10:16	0.0	0.0
137	9/28/2015 10:17	0.0	0.0
138	9/28/2015 10:18	0.0	0.0
139	9/28/2015 10:19	0.0	0.0
140	9/28/2015 10:20	0.0	0.0
141	9/28/2015 10:21	0.0	0.0
142	9/28/2015 10:22	0.0	0.0

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
93	9/28/2015 9:33	0.3	0.4
94	9/28/2015 9:34	0.3	0.4
95	9/28/2015 9:35	0.3	0.4
96	9/28/2015 9:36	0.3	0.4
97	9/28/2015 9:37	0.3	0.4
98	9/28/2015 9:38	0.3	0.4
99	9/28/2015 9:39	0.3	0.4
100	9/28/2015 9:40	0.3	0.3
101	9/28/2015 9:41	0.3	0.3
102	9/28/2015 9:42	0.3	0.3
103	9/28/2015 9:43	0.3	0.3
104	9/28/2015 9:44	0.3	0.3
105	9/28/2015 9:45	0.3	0.3
106	9/28/2015 9:46	0.3	0.3
107	9/28/2015 9:47	0.2	0.3
108	9/28/2015 9:48	0.2	0.3
109	9/28/2015 9:49	0.2	0.3
110	9/28/2015 9:50	0.2	0.3
111	9/28/2015 9:51	0.2	0.3
112	9/28/2015 9:52	0.2	0.3
113	9/28/2015 9:53	0.2	0.3
114	9/28/2015 9:54	0.2	0.2
115	9/28/2015 9:55	0.2	0.2
116	9/28/2015 9:56	0.2	0.2
117	9/28/2015 9:57	0.2	0.2
118	9/28/2015 9:58	0.2	0.2
119	9/28/2015 9:59	0.2	0.2
120	9/28/2015 10:00	0.2	0.2
121	9/28/2015 10:01	0.2	0.2
122	9/28/2015 10:02	0.2	0.2
123	9/28/2015 10:03	0.2	0.2
124	9/28/2015 10:04	0.2	0.2
125	9/28/2015 10:05	0.2	0.2
126	9/28/2015 10:06	0.2	0.2
127	9/28/2015 10:07	0.2	0.2
128	9/28/2015 10:08	0.2	0.2
129	9/28/2015 10:09	0.2	0.2
130	9/28/2015 10:10	0.1	0.2
131	9/28/2015 10:11	0.1	0.2
132	9/28/2015 10:12	0.1	0.2
133	9/28/2015 10:13	0.1	0.2
134	9/28/2015 10:14	0.1	0.2
135	9/28/2015 10:15	0.1	0.2
136	9/28/2015 10:16	0.1	0.2
137	9/28/2015 10:17	0.1	0.2
138	9/28/2015 10:18	0.1	0.1
139	9/28/2015 10:19	0.1	0.1
140	9/28/2015 10:20	0.1	0.1
141	9/28/2015 10:21	0.1	0.1
142	9/28/2015 10:22	0.1	0.1

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
143	9/28/2015 10:23	0.0	0.0
144	9/28/2015 10:24	0.0	0.0
145	9/28/2015 10:25	0.0	0.0
146	9/28/2015 10:26	0.0	0.0
147	9/28/2015 10:27	0.0	0.0
148	9/28/2015 10:28	0.0	0.0
149	9/28/2015 10:29	0.0	0.0
150	9/28/2015 10:30	0.0	0.0
151	9/28/2015 10:31	0.0	0.0
152	9/28/2015 10:32	0.0	0.0
153	9/28/2015 10:33	0.0	0.0
154	9/28/2015 10:34	0.0	0.0
155	9/28/2015 10:35	0.0	0.0
156	9/28/2015 10:36	0.0	0.0
157	9/28/2015 10:37	0.0	0.0
158	9/28/2015 10:38	0.0	0.0
159	9/28/2015 10:39	0.0	0.0
160	9/28/2015 10:40	0.0	0.0
161	9/28/2015 10:41	0.0	0.0
162	9/28/2015 10:42	0.0	0.0
163	9/28/2015 10:43	0.0	0.0
164	9/28/2015 10:44	0.0	0.0
165	9/28/2015 10:45	0.0	0.0
166	9/28/2015 10:46	0.0	0.0
167	9/28/2015 10:47	0.0	0.0
168	9/28/2015 10:48	0.0	0.0
169	9/28/2015 10:49	0.0	0.0
170	9/28/2015 10:50	0.0	0.0
171	9/28/2015 10:51	0.0	0.0
172	9/28/2015 10:52	0.0	0.0
173	9/28/2015 10:53	0.0	0.0
174	9/28/2015 10:54	0.0	0.0
175	9/28/2015 10:55	0.0	0.0
176	9/28/2015 10:56	0.0	0.0
177	9/28/2015 10:57	0.0	0.0
178	9/28/2015 10:58	0.0	0.0
179	9/28/2015 10:59	0.0	0.0
180	9/28/2015 11:00	0.0	0.0
181	9/28/2015 11:01	0.0	0.0
182	9/28/2015 11:02	0.0	0.0
183	9/28/2015 11:03	0.0	0.0
184	9/28/2015 11:04	0.0	0.0
185	9/28/2015 11:05	0.0	0.0
186	9/28/2015 11:06	0.0	0.0
187	9/28/2015 11:07	0.0	0.0
188	9/28/2015 11:08	0.0	0.0
189	9/28/2015 11:09	0.0	0.0
190	9/28/2015 11:10	0.0	0.0
191	9/28/2015 11:11	0.0	0.0
192	9/28/2015 11:12	0.0	0.0

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
143	9/28/2015 10:23	0.1	0.1
144	9/28/2015 10:24	0.1	0.1
145	9/28/2015 10:25	0.1	0.1
146	9/28/2015 10:26	0.1	0.1
147	9/28/2015 10:27	0.1	0.1
148	9/28/2015 10:28	0.1	0.1
149	9/28/2015 10:29	0.1	0.1
150	9/28/2015 10:30	0.1	0.1
151	9/28/2015 10:31	0.1	0.1
152	9/28/2015 10:32	0.1	0.1
153	9/28/2015 10:33	0.1	0.1
154	9/28/2015 10:34	0.1	0.1
155	9/28/2015 10:35	0.1	0.1
156	9/28/2015 10:36	0.1	0.1
157	9/28/2015 10:37	0.2	0.1
158	9/28/2015 10:38	0.1	0.1
159	9/28/2015 10:39	0.2	0.1
160	9/28/2015 10:40	0.2	0.1
161	9/28/2015 10:41	0.2	0.1
162	9/28/2015 10:42	0.2	0.1
163	9/28/2015 10:43	0.2	0.1
164	9/28/2015 10:44	0.1	0.1
165	9/28/2015 10:45	0.1	0.1
166	9/28/2015 10:46	0.1	0.1
167	9/28/2015 10:47	0.1	0.1
168	9/28/2015 10:48	0.1	0.1
169	9/28/2015 10:49	0.2	0.1
170	9/28/2015 10:50	0.1	0.1
171	9/28/2015 10:51	0.2	0.1
172	9/28/2015 10:52	0.2	0.1
173	9/28/2015 10:53	0.2	0.2
174	9/28/2015 10:54	0.2	0.2
175	9/28/2015 10:55	0.2	0.2
176	9/28/2015 10:56	0.2	0.2
177	9/28/2015 10:57	0.2	0.2
178	9/28/2015 10:58	0.2	0.2
179	9/28/2015 10:59	0.2	0.2
180	9/28/2015 11:00	0.2	0.2
181	9/28/2015 11:01	0.2	0.2
182	9/28/2015 11:02	0.2	0.2
183	9/28/2015 11:03	0.2	0.2
184	9/28/2015 11:04	0.2	0.2
185	9/28/2015 11:05	0.2	0.2
186	9/28/2015 11:06	0.2	0.2
187	9/28/2015 11:07	0.2	0.2
188	9/28/2015 11:08	0.2	0.2
189	9/28/2015 11:09	0.2	0.2
190	9/28/2015 11:10	0.2	0.2
191	9/28/2015 11:11	0.2	0.2
192	9/28/2015 11:12	0.2	0.2

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
193	9/28/2015 11:13	0.0	0.0
194	9/28/2015 11:14	0.0	0.0
195	9/28/2015 11:15	0.0	0.0
196	9/28/2015 11:16	0.0	0.0
197	9/28/2015 11:17	0.0	0.0
198	9/28/2015 11:18	0.0	0.0
199	9/28/2015 11:19	0.0	0.0
200	9/28/2015 11:20	0.0	0.0
201	9/28/2015 11:21	0.0	0.0
202	9/28/2015 11:22	0.0	0.0
203	9/28/2015 11:23	0.0	0.0
204	9/28/2015 11:24	0.0	0.0
205	9/28/2015 11:25	0.0	0.0
206	9/28/2015 11:26	0.0	0.0
207	9/28/2015 11:27	0.0	0.0
208	9/28/2015 11:28	0.0	0.0
209	9/28/2015 11:29	0.0	0.0
210	9/28/2015 11:30	0.0	0.0
211	9/28/2015 11:31	0.0	0.0
212	9/28/2015 11:32	0.0	0.0
213	9/28/2015 11:33	0.0	0.0
214	9/28/2015 11:34	0.0	0.0
215	9/28/2015 11:35	0.0	0.0
216	9/28/2015 11:36	0.0	0.0
217	9/28/2015 11:37	0.0	0.0
218	9/28/2015 11:38	0.0	0.0
219	9/28/2015 11:39	0.0	0.0
220	9/28/2015 11:40	0.0	0.0
221	9/28/2015 11:41	0.0	0.0
222	9/28/2015 11:42	0.0	0.0
223	9/28/2015 11:43	0.0	0.0
224	9/28/2015 11:44	0.0	0.0
225	9/28/2015 11:45	0.0	0.0
226	9/28/2015 11:46	0.0	0.0
227	9/28/2015 11:47	0.0	0.0
228	9/28/2015 11:48	0.0	0.0
229	9/28/2015 11:49	0.0	0.0
230	9/28/2015 11:50	0.0	0.0
231	9/28/2015 11:51	0.0	0.0
232	9/28/2015 11:52	0.0	0.0
233	9/28/2015 11:53	0.0	0.0
234	9/28/2015 11:54	0.0	0.0
235	9/28/2015 11:55	0.0	0.0
236	9/28/2015 11:56	0.0	0.0
237	9/28/2015 11:57	0.0	0.0
238	9/28/2015 11:58	0.0	0.0
239	9/28/2015 11:59	0.0	0.0
240	9/28/2015 12:00	0.0	0.0
241	9/28/2015 12:01	0.0	0.0
242	9/28/2015 12:02	0.0	0.0

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
193	9/28/2015 11:13	0.2	0.2
194	9/28/2015 11:14	0.2	0.2
195	9/28/2015 11:15	0.2	0.2
196	9/28/2015 11:16	0.2	0.2
197	9/28/2015 11:17	0.2	0.2
198	9/28/2015 11:18	0.2	0.2
199	9/28/2015 11:19	0.2	0.2
200	9/28/2015 11:20	0.2	0.2
201	9/28/2015 11:21	0.2	0.2
202	9/28/2015 11:22	0.2	0.2
203	9/28/2015 11:23	0.2	0.2
204	9/28/2015 11:24	0.2	0.2
205	9/28/2015 11:25	0.3	0.2
206	9/28/2015 11:26	0.3	0.2
207	9/28/2015 11:27	0.3	0.2
208	9/28/2015 11:28	0.3	0.2
209	9/28/2015 11:29	0.3	0.2
210	9/28/2015 11:30	0.3	0.2
211	9/28/2015 11:31	0.3	0.2
212	9/28/2015 11:32	0.3	0.2
213	9/28/2015 11:33	0.3	0.3
214	9/28/2015 11:34	0.3	0.3
215	9/28/2015 11:35	0.3	0.3
216	9/28/2015 11:36	0.2	0.3
217	9/28/2015 11:37	0.2	0.3
218	9/28/2015 11:38	0.2	0.3
219	9/28/2015 11:39	0.2	0.3
220	9/28/2015 11:40	0.2	0.3
221	9/28/2015 11:41	0.2	0.3
222	9/28/2015 11:42	0.2	0.3
223	9/28/2015 11:43	0.2	0.2
224	9/28/2015 11:44	0.2	0.2
225	9/28/2015 11:45	0.2	0.2
226	9/28/2015 11:46	0.2	0.2
227	9/28/2015 11:47	0.2	0.2
228	9/28/2015 11:48	0.2	0.2
229	9/28/2015 11:49	0.2	0.2
230	9/28/2015 11:50	0.2	0.2
231	9/28/2015 11:51	0.2	0.2
232	9/28/2015 11:52	0.2	0.2
233	9/28/2015 11:53	0.2	0.2
234	9/28/2015 11:54	0.2	0.2
235	9/28/2015 11:55	0.2	0.2
236	9/28/2015 11:56	0.2	0.2
237	9/28/2015 11:57	0.2	0.2
238	9/28/2015 11:58	0.2	0.2
239	9/28/2015 11:59	0.2	0.2
240	9/28/2015 12:00	0.2	0.2
241	9/28/2015 12:01	0.2	0.2
242	9/28/2015 12:02	0.2	0.2

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
243	9/28/2015 12:03	0.0	0.0
244	9/28/2015 12:04	0.0	0.0
245	9/28/2015 12:05	0.0	0.0
246	9/28/2015 12:06	0.0	0.0
247	9/28/2015 12:07	0.0	0.0
248	9/28/2015 12:08	0.0	0.0
249	9/28/2015 12:09	0.0	0.0
250	9/28/2015 12:10	0.0	0.0
251	9/28/2015 12:11	0.0	0.0
252	9/28/2015 12:12	0.0	0.0
253	9/28/2015 12:13	0.0	0.0
254	9/28/2015 12:14	0.0	0.0
255	9/28/2015 12:15	0.0	0.0
256	9/28/2015 12:16	0.0	0.0
257	9/28/2015 12:17	0.0	0.0
258	9/28/2015 12:18	0.0	0.0
259	9/28/2015 12:19	0.0	0.0
260	9/28/2015 12:20	0.0	0.0
261	9/28/2015 12:21	0.0	0.0
262	9/28/2015 12:22	0.0	0.0
263	9/28/2015 12:23	0.0	0.0
264	9/28/2015 12:24	0.0	0.0
265	9/28/2015 12:25	0.0	0.0
266	9/28/2015 12:26	0.0	0.0
267	9/28/2015 12:27	0.0	0.0
268	9/28/2015 12:28	0.0	0.0
269	9/28/2015 12:29	0.0	0.0
270	9/28/2015 12:30	0.0	0.0
271	9/28/2015 12:31	0.0	0.0
272	9/28/2015 12:32	0.0	0.0
273	9/28/2015 12:33	0.0	0.0
274	9/28/2015 12:34	0.0	0.0
275	9/28/2015 12:35	0.0	0.0
276	9/28/2015 12:36	0.0	0.0
277	9/28/2015 12:37	0.0	0.0
278	9/28/2015 12:38	0.0	0.0
279	9/28/2015 12:39	0.0	0.0
280	9/28/2015 12:40	0.0	0.0
281	9/28/2015 12:41	0.0	0.0
282	9/28/2015 12:42	0.0	0.0
283	9/28/2015 12:43	0.0	0.0
284	9/28/2015 12:44	0.0	0.0
285	9/28/2015 12:45	0.0	0.0
286	9/28/2015 12:46	0.0	0.0
287	9/28/2015 12:47	0.0	0.0
288	9/28/2015 12:48	0.0	0.0
289	9/28/2015 12:49	0.0	0.0
290	9/28/2015 12:50	0.0	0.0
291	9/28/2015 12:51	0.0	0.0
292	9/28/2015 12:52	0.0	0.0

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
243	9/28/2015 12:03	0.2	0.2
244	9/28/2015 12:04	0.2	0.2
245	9/28/2015 12:05	0.2	0.2
246	9/28/2015 12:06	0.2	0.2
247	9/28/2015 12:07	0.2	0.2
248	9/28/2015 12:08	0.2	0.2
249	9/28/2015 12:09	0.2	0.2
250	9/28/2015 12:10	0.3	0.2
251	9/28/2015 12:11	0.2	0.2
252	9/28/2015 12:12	0.3	0.2
253	9/28/2015 12:13	0.3	0.2
254	9/28/2015 12:14	0.3	0.2
255	9/28/2015 12:15	0.3	0.2
256	9/28/2015 12:16	0.3	0.3
257	9/28/2015 12:17	0.3	0.3
258	9/28/2015 12:18	0.3	0.3
259	9/28/2015 12:19	0.3	0.3
260	9/28/2015 12:20	0.3	0.3
261	9/28/2015 12:21	0.3	0.3
262	9/28/2015 12:22	0.3	0.3
263	9/28/2015 12:23	0.3	0.3
264	9/28/2015 12:24	0.3	0.3
265	9/28/2015 12:25	0.3	0.3
266	9/28/2015 12:26	0.3	0.3
267	9/28/2015 12:27	0.3	0.3
268	9/28/2015 12:28	0.3	0.3
269	9/28/2015 12:29	0.3	0.3
270	9/28/2015 12:30	0.3	0.3
271	9/28/2015 12:31	0.3	0.3
272	9/28/2015 12:32	0.3	0.3
273	9/28/2015 12:33	0.3	0.3
274	9/28/2015 12:34	0.3	0.3
275	9/28/2015 12:35	0.3	0.3
276	9/28/2015 12:36	0.3	0.3
277	9/28/2015 12:37	0.3	0.3
278	9/28/2015 12:38	0.3	0.3
279	9/28/2015 12:39	0.3	0.3
280	9/28/2015 12:40	0.3	0.3
281	9/28/2015 12:41	0.3	0.3
282	9/28/2015 12:42	0.3	0.3
283	9/28/2015 12:43	0.3	0.3
284	9/28/2015 12:44	0.3	0.3
285	9/28/2015 12:45	0.3	0.3
286	9/28/2015 12:46	0.3	0.3
287	9/28/2015 12:47	0.2	0.3
288	9/28/2015 12:48	0.2	0.3
289	9/28/2015 12:49	0.2	0.3
290	9/28/2015 12:50	0.2	0.3
291	9/28/2015 12:51	0.2	0.3
292	9/28/2015 12:52	0.2	0.3

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
293	9/28/2015 12:53	0.0	0.0
294	9/28/2015 12:54	0.0	0.0
295	9/28/2015 12:55	0.0	0.0
296	9/28/2015 12:56	0.0	0.0
297	9/28/2015 12:57	0.0	0.0
298	9/28/2015 12:58	0.0	0.0
299	9/28/2015 12:59	0.0	0.0
300	9/28/2015 13:00	0.0	0.0
301	9/28/2015 13:01	0.0	0.0
302	9/28/2015 13:02	0.0	0.0
303	9/28/2015 13:03	0.0	0.0
304	9/28/2015 13:04	0.0	0.0
305	9/28/2015 13:05	0.0	0.0
306	9/28/2015 13:06	0.0	0.0
307	9/28/2015 13:07	0.0	0.0
308	9/28/2015 13:08	0.0	0.0
309	9/28/2015 13:09	0.0	0.0
310	9/28/2015 13:10	0.0	0.0
311	9/28/2015 13:11	0.0	0.0
312	9/28/2015 13:12	0.0	0.0
313	9/28/2015 13:13	0.0	0.0
314	9/28/2015 13:14	0.0	0.0
315	9/28/2015 13:15	0.0	0.0
316	9/28/2015 13:16	0.0	0.0
317	9/28/2015 13:17	0.0	0.0
318	9/28/2015 13:18	0.0	0.0
319	9/28/2015 13:19	0.0	0.0
320	9/28/2015 13:20	0.0	0.0
321	9/28/2015 13:21	0.0	0.0
322	9/28/2015 13:22	0.0	0.0
323	9/28/2015 13:23	0.0	0.0
324	9/28/2015 13:24	0.0	0.0
325	9/28/2015 13:25	0.0	0.0
326	9/28/2015 13:26	0.0	0.0
327	9/28/2015 13:27	0.0	0.0
328	9/28/2015 13:28	0.0	0.0
329	9/28/2015 13:29	0.0	0.0
330	9/28/2015 13:30	0.0	0.0
331	9/28/2015 13:31	0.0	0.0
332	9/28/2015 13:32	0.0	0.0
333	9/28/2015 13:33	0.0	0.0
334	9/28/2015 13:34	0.0	0.0
335	9/28/2015 13:35	0.0	0.0
336	9/28/2015 13:36	0.0	0.0
337	9/28/2015 13:37	0.0	0.0
338	9/28/2015 13:38	0.0	0.0
339	9/28/2015 13:39	0.0	0.0
340	9/28/2015 13:40	0.0	0.0
341	9/28/2015 13:41	0.0	0.0
342	9/28/2015 13:42	0.0	0.0

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
293	9/28/2015 12:53	0.2	0.2
294	9/28/2015 12:54	0.2	0.2
295	9/28/2015 12:55	0.2	0.2
296	9/28/2015 12:56	0.2	0.2
297	9/28/2015 12:57	0.2	0.2
298	9/28/2015 12:58	0.2	0.2
299	9/28/2015 12:59	0.2	0.2
300	9/28/2015 13:00	0.2	0.2
301	9/28/2015 13:01	0.2	0.2
302	9/28/2015 13:02	0.2	0.2
303	9/28/2015 13:03	0.2	0.2
304	9/28/2015 13:04	0.2	0.2
305	9/28/2015 13:05	0.2	0.2
306	9/28/2015 13:06	0.2	0.2
307	9/28/2015 13:07	0.1	0.2
308	9/28/2015 13:08	0.1	0.2
309	9/28/2015 13:09	0.2	0.2
310	9/28/2015 13:10	0.2	0.2
311	9/28/2015 13:11	0.2	0.2
312	9/28/2015 13:12	0.2	0.2
313	9/28/2015 13:13	0.2	0.2
314	9/28/2015 13:14	0.2	0.2
315	9/28/2015 13:15	0.2	0.2
316	9/28/2015 13:16	0.2	0.2
317	9/28/2015 13:17	0.2	0.2
318	9/28/2015 13:18	0.2	0.2
319	9/28/2015 13:19	0.2	0.2
320	9/28/2015 13:20	0.2	0.2
321	9/28/2015 13:21	0.2	0.2
322	9/28/2015 13:22	0.2	0.2
323	9/28/2015 13:23	0.2	0.2
324	9/28/2015 13:24	0.2	0.2
325	9/28/2015 13:25	0.2	0.2
326	9/28/2015 13:26	0.2	0.2
327	9/28/2015 13:27	0.2	0.2
328	9/28/2015 13:28	0.2	0.2
329	9/28/2015 13:29	0.2	0.2
330	9/28/2015 13:30	0.2	0.2
331	9/28/2015 13:31	0.2	0.2
332	9/28/2015 13:32	0.2	0.2
333	9/28/2015 13:33	0.2	0.2
334	9/28/2015 13:34	0.2	0.2
335	9/28/2015 13:35	0.2	0.2
336	9/28/2015 13:36	0.2	0.2
337	9/28/2015 13:37	0.2	0.2
338	9/28/2015 13:38	0.2	0.2
339	9/28/2015 13:39	0.2	0.2
340	9/28/2015 13:40	0.2	0.2
341	9/28/2015 13:41	0.2	0.2
342	9/28/2015 13:42	0.2	0.2

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
343	9/28/2015 13:43	0.0	0.0
344	9/28/2015 13:44	0.0	0.0
345	9/28/2015 13:45	0.0	0.0
346	9/28/2015 13:46	0.0	0.0
347	9/28/2015 13:47	0.0	0.0
348	9/28/2015 13:48	0.0	0.0
349	9/28/2015 13:49	0.0	0.0
350	9/28/2015 13:50	0.0	0.0
351	9/28/2015 13:51	0.0	0.0
352	9/28/2015 13:52	0.0	0.0
353	9/28/2015 13:53	0.0	0.0
354	9/28/2015 13:54	0.0	0.0
355	9/28/2015 13:55	0.0	0.0
356	9/28/2015 13:56	0.0	0.0
357	9/28/2015 13:57	0.0	0.0
358	9/28/2015 13:58	0.0	0.0
359	9/28/2015 13:59	0.0	0.0
360	9/28/2015 14:00	0.0	0.0
361	9/28/2015 14:01	0.0	0.0
362	9/28/2015 14:02	0.0	0.0
363	9/28/2015 14:03	0.0	0.0
364	9/28/2015 14:04	0.0	0.0
365	9/28/2015 14:05	0.0	0.0
366	9/28/2015 14:06	0.0	0.0
367	9/28/2015 14:07	0.0	0.0
368	9/28/2015 14:08	0.0	0.0
369	9/28/2015 14:09	0.0	0.0
370	9/28/2015 14:10	0.0	0.0
371	9/28/2015 14:11	0.0	0.0
372	9/28/2015 14:12	0.0	0.0
373	9/28/2015 14:13	0.0	0.0
374	9/28/2015 14:14	0.0	0.0
375	9/28/2015 14:15	0.0	0.0
376	9/28/2015 14:16	0.0	0.0
377	9/28/2015 14:17	0.0	0.0
378	9/28/2015 14:18	0.0	0.0
379	9/28/2015 14:19	0.0	0.0
380	9/28/2015 14:20	0.0	0.0
381	9/28/2015 14:21	0.0	0.0
382	9/28/2015 14:22	0.0	0.0
383	9/28/2015 14:23	0.0	0.0
384	9/28/2015 14:24	0.0	0.0
385	9/28/2015 14:25	0.0	0.0
386	9/28/2015 14:26	0.0	0.0
387	9/28/2015 14:27	0.0	0.0
388	9/28/2015 14:28	0.0	0.0
389	9/28/2015 14:29	0.0	0.0
390	9/28/2015 14:30	0.0	0.0
391	9/28/2015 14:31	0.0	0.0
392	9/28/2015 14:32	0.0	0.0

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
343	9/28/2015 13:43	0.2	0.2
344	9/28/2015 13:44	0.2	0.2
345	9/28/2015 13:45	0.1	0.2
346	9/28/2015 13:46	0.1	0.2
347	9/28/2015 13:47	0.1	0.2
348	9/28/2015 13:48	0.1	0.2
349	9/28/2015 13:49	0.1	0.2
350	9/28/2015 13:50	0.1	0.1
351	9/28/2015 13:51	0.1	0.1
352	9/28/2015 13:52	0.1	0.1
353	9/28/2015 13:53	0.1	0.1
354	9/28/2015 13:54	0.1	0.1
355	9/28/2015 13:55	0.1	0.1
356	9/28/2015 13:56	0.1	0.1
357	9/28/2015 13:57	0.1	0.1
358	9/28/2015 13:58	0.1	0.1
359	9/28/2015 13:59	0.1	0.1
360	9/28/2015 14:00	0.1	0.1
361	9/28/2015 14:01	0.1	0.1
362	9/28/2015 14:02	0.1	0.1
363	9/28/2015 14:03	0.1	0.1
364	9/28/2015 14:04	0.1	0.1
365	9/28/2015 14:05	0.1	0.1
366	9/28/2015 14:06	0.1	0.1
367	9/28/2015 14:07	0.1	0.1
368	9/28/2015 14:08	0.1	0.1
369	9/28/2015 14:09	0.1	0.1
370	9/28/2015 14:10	0.1	0.1
371	9/28/2015 14:11	0.1	0.1
372	9/28/2015 14:12	0.1	0.1
373	9/28/2015 14:13	0.1	0.1
374	9/28/2015 14:14	0.1	0.1
375	9/28/2015 14:15	0.1	0.1
376	9/28/2015 14:16	0.1	0.1
377	9/28/2015 14:17	0.1	0.1
378	9/28/2015 14:18	0.1	0.1
379	9/28/2015 14:19	0.1	0.1
380	9/28/2015 14:20	0.1	0.1
381	9/28/2015 14:21	0.1	0.1
382	9/28/2015 14:22	0.1	0.1
383	9/28/2015 14:23	0.1	0.1
384	9/28/2015 14:24	0.1	0.1
385	9/28/2015 14:25	0.1	0.1
386	9/28/2015 14:26	0.1	0.1
387	9/28/2015 14:27	0.1	0.1
388	9/28/2015 14:28	0.1	0.1
389	9/28/2015 14:29	0.1	0.1
390	9/28/2015 14:30	0.1	0.1
391	9/28/2015 14:31	0.1	0.1
392	9/28/2015 14:32	0.1	0.1

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
393	9/28/2015 14:33	0.0	0.0
394	9/28/2015 14:34	0.0	0.0
395	9/28/2015 14:35	0.0	0.0
396	9/28/2015 14:36	0.0	0.0
397	9/28/2015 14:37	0.0	0.0
398	9/28/2015 14:38	0.0	0.0
399	9/28/2015 14:39	0.0	0.0
400	9/28/2015 14:40	0.0	0.0
401	9/28/2015 14:41	0.0	0.0
402	9/28/2015 14:42	0.0	0.0
403	9/28/2015 14:43	0.0	0.0

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
393	9/28/2015 14:33	0.1	0.1
394	9/28/2015 14:34	0.1	0.1
395	9/28/2015 14:35		0.1
396	9/28/2015 14:36		0.1
397	9/28/2015 14:37		0.1
398	9/28/2015 14:38		0.1
399	9/28/2015 14:39		0.1
400	9/28/2015 14:40		0.1
401	9/28/2015 14:41		0.1
402	9/28/2015 14:42		0.1
403	9/28/2015 14:43		0.1

Upwind PM-10 Data Summary		
Maximum	0.361	mg/m^3
Minimum	0.006	mg/m^3
Average	0.021	mg/m^3
Maximum 15-Minute Average	0.055	mg/m^3

Downwind PM-10 Data Summary		
Maximum	0.036	mg/m^3
Minimum	0.000	mg/m^3
Average	0.005	mg/m^3
Maximum 15-Minute Average	0.014	mg/m^3

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
1	9/28/2015 8:01		
2	9/28/2015 8:02		
3	9/28/2015 8:03		
4	9/28/2015 8:04		
5	9/28/2015 8:05		
6	9/28/2015 8:06		
7	9/28/2015 8:07		
8	9/28/2015 8:08		
9	9/28/2015 8:09		
10	9/28/2015 8:10		
11	9/28/2015 8:11		
12	9/28/2015 8:12		
13	9/28/2015 8:13		
14	9/28/2015 8:14	0.013	
15	9/28/2015 8:15	0.013	0.013
16	9/28/2015 8:16	0.013	0.013
17	9/28/2015 8:17	0.013	0.013
18	9/28/2015 8:18	0.013	0.013
19	9/28/2015 8:19	0.014	0.013
20	9/28/2015 8:20	0.012	0.013
21	9/28/2015 8:21	0.011	0.013
22	9/28/2015 8:22	0.012	0.013
23	9/28/2015 8:23	0.013	0.013
24	9/28/2015 8:24	0.018	0.013
25	9/28/2015 8:25	0.013	0.013
26	9/28/2015 8:26	0.015	0.013
27	9/28/2015 8:27	0.015	0.013
28	9/28/2015 8:28	0.013	0.013
29	9/28/2015 8:29	0.013	0.013
30	9/28/2015 8:30	0.011	0.013
31	9/28/2015 8:31	0.012	0.013
32	9/28/2015 8:32	0.017	0.013
33	9/28/2015 8:33	0.016	0.014
34	9/28/2015 8:34	0.016	0.014
35	9/28/2015 8:35	0.015	0.014
36	9/28/2015 8:36	0.016	0.014
37	9/28/2015 8:37	0.016	0.015
38	9/28/2015 8:38	0.019	0.015
39	9/28/2015 8:39	0.027	0.016
40	9/28/2015 8:40	0.056	0.018
41	9/28/2015 8:41	0.042	0.020

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	**Date & Time**	**Mass Conc. (mg/m^3)**	**15-Minute Average**
1	9/28/2015 8:01	0.015	
2	9/28/2015 8:02	0.010	
3	9/28/2015 8:03	0.010	
4	9/28/2015 8:04	0.010	
5	9/28/2015 8:05	0.011	
6	9/28/2015 8:06	0.011	
7	9/28/2015 8:07	0.011	
8	9/28/2015 8:08	0.011	
9	9/28/2015 8:09	0.011	
10	9/28/2015 8:10	0.012	
11	9/28/2015 8:11	0.014	
12	9/28/2015 8:12	0.016	
13	9/28/2015 8:13	0.036	
14	9/28/2015 8:14	0.014	
15	9/28/2015 8:15	0.013	0.014
16	9/28/2015 8:16	0.013	0.014
17	9/28/2015 8:17	0.014	0.014
18	9/28/2015 8:18	0.015	0.014
19	9/28/2015 8:19	0.011	0.014
20	9/28/2015 8:20	0.010	0.014
21	9/28/2015 8:21	0.010	0.014
22	9/28/2015 8:22	0.010	0.014
23	9/28/2015 8:23	0.010	0.014
24	9/28/2015 8:24	0.009	0.014
25	9/28/2015 8:25	0.009	0.014
26	9/28/2015 8:26	0.009	0.013
27	9/28/2015 8:27	0.008	0.013
28	9/28/2015 8:28	0.009	0.011
29	9/28/2015 8:29	0.009	0.011
30	9/28/2015 8:30	0.009	0.010
31	9/28/2015 8:31	0.009	0.010
32	9/28/2015 8:32	0.012	0.010
33	9/28/2015 8:33	0.012	0.010
34	9/28/2015 8:34	0.012	0.010
35	9/28/2015 8:35	0.011	0.010
36	9/28/2015 8:36	0.011	0.010
37	9/28/2015 8:37	0.011	0.010
38	9/28/2015 8:38	0.011	0.010
39	9/28/2015 8:39	0.011	0.010
40	9/28/2015 8:40	0.010	0.010
41	9/28/2015 8:41	0.010	0.010

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	VOC (ppm)	15-Minute Average
42	9/28/2015 8:42	0.041	0.022
43	9/28/2015 8:43	0.034	0.023
44	9/28/2015 8:44	0.032	0.025
45	9/28/2015 8:45	0.021	0.025
46	9/28/2015 8:46	0.020	0.026
47	9/28/2015 8:47	0.019	0.026
48	9/28/2015 8:48	0.014	0.026
49	9/28/2015 8:49	0.015	0.026
50	9/28/2015 8:50	0.018	0.026
51	9/28/2015 8:51	0.017	0.026
52	9/28/2015 8:52	0.020	0.026
53	9/28/2015 8:53	0.016	0.026
54	9/28/2015 8:54	0.017	0.025
55	9/28/2015 8:55	0.020	0.023
56	9/28/2015 8:56	0.015	0.021
57	9/28/2015 8:57	0.016	0.020
58	9/28/2015 8:58	0.015	0.018
59	9/28/2015 8:59	0.031	0.018
60	9/28/2015 9:00	0.029	0.019
61	9/28/2015 9:01	0.029	0.019
62	9/28/2015 9:02	0.020	0.019
63	9/28/2015 9:03	0.025	0.020
64	9/28/2015 9:04	0.021	0.021
65	9/28/2015 9:05	0.028	0.021
66	9/28/2015 9:06	0.019	0.021
67	9/28/2015 9:07	0.017	0.021
68	9/28/2015 9:08	0.013	0.021
69	9/28/2015 9:09	0.013	0.021
70	9/28/2015 9:10	0.014	0.020
71	9/28/2015 9:11	0.016	0.020
72	9/28/2015 9:12	0.201	0.033
73	9/28/2015 9:13	0.029	0.034
74	9/28/2015 9:14	0.026	0.033
75	9/28/2015 9:15	0.031	0.033
76	9/28/2015 9:16	0.014	0.032
77	9/28/2015 9:17	0.015	0.032
78	9/28/2015 9:18	0.014	0.031
79	9/28/2015 9:19	0.017	0.031
80	9/28/2015 9:20	0.022	0.031
81	9/28/2015 9:21	0.018	0.031
82	9/28/2015 9:22	0.021	0.031
83	9/28/2015 9:23	0.016	0.031
84	9/28/2015 9:24	0.014	0.031
85	9/28/2015 9:25	0.014	0.031
86	9/28/2015 9:26	0.017	0.031
87	9/28/2015 9:27	0.016	0.019
88	9/28/2015 9:28	0.015	0.018
89	9/28/2015 9:29	0.015	0.017
90	9/28/2015 9:30	0.026	0.017
91	9/28/2015 9:31	0.046	0.019

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
42	9/28/2015 8:42	0.010	0.010
43	9/28/2015 8:43	0.009	0.010
44	9/28/2015 8:44	0.009	0.010
45	9/28/2015 8:45	0.008	0.010
46	9/28/2015 8:46	0.008	0.010
47	9/28/2015 8:47	0.007	0.010
48	9/28/2015 8:48	0.008	0.010
49	9/28/2015 8:49	0.010	0.010
50	9/28/2015 8:50	0.010	0.010
51	9/28/2015 8:51	0.008	0.009
52	9/28/2015 8:52	0.011	0.009
53	9/28/2015 8:53	0.011	0.009
54	9/28/2015 8:54	0.011	0.009
55	9/28/2015 8:55	0.011	0.009
56	9/28/2015 8:56	0.010	0.009
57	9/28/2015 8:57	0.010	0.009
58	9/28/2015 8:58	0.010	0.009
59	9/28/2015 8:59	0.009	0.009
60	9/28/2015 9:00	0.010	0.010
61	9/28/2015 9:01	0.008	0.010
62	9/28/2015 9:02	0.009	0.010
63	9/28/2015 9:03	0.009	0.010
64	9/28/2015 9:04	0.009	0.010
65	9/28/2015 9:05	0.009	0.010
66	9/28/2015 9:06	0.008	0.010
67	9/28/2015 9:07	0.031	0.011
68	9/28/2015 9:08	0.009	0.011
69	9/28/2015 9:09	0.010	0.011
70	9/28/2015 9:10	0.010	0.011
71	9/28/2015 9:11	0.010	0.011
72	9/28/2015 9:12	0.010	0.011
73	9/28/2015 9:13	0.010	0.011
74	9/28/2015 9:14	0.010	0.011
75	9/28/2015 9:15	0.010	0.011
76	9/28/2015 9:16	0.010	0.011
77	9/28/2015 9:17	0.009	0.011
78	9/28/2015 9:18	0.009	0.011
79	9/28/2015 9:19	0.009	0.011
80	9/28/2015 9:20	0.010	0.011
81	9/28/2015 9:21	0.010	0.011
82	9/28/2015 9:22	0.011	0.010
83	9/28/2015 9:23	0.009	0.010
84	9/28/2015 9:24	0.010	0.010
85	9/28/2015 9:25	0.010	0.010
86	9/28/2015 9:26	0.009	0.010
87	9/28/2015 9:27	0.009	0.010
88	9/28/2015 9:28	0.009	0.010
89	9/28/2015 9:29	0.009	0.010
90	9/28/2015 9:30	0.009	0.009
91	9/28/2015 9:31	0.009	0.009

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
92	9/28/2015 9:32	0.040	0.021
93	9/28/2015 9:33	0.041	0.023
94	9/28/2015 9:34	0.024	0.023
95	9/28/2015 9:35	0.013	0.022
96	9/28/2015 9:36	0.015	0.022
97	9/28/2015 9:37	0.014	0.022
98	9/28/2015 9:38	0.018	0.022
99	9/28/2015 9:39	0.052	0.024
100	9/28/2015 9:40	0.036	0.026
101	9/28/2015 9:41	0.029	0.027
102	9/28/2015 9:42	0.024	0.027
103	9/28/2015 9:43	0.018	0.027
104	9/28/2015 9:44	0.015	0.027
105	9/28/2015 9:45	0.017	0.027
106	9/28/2015 9:46	0.014	0.025
107	9/28/2015 9:47	0.018	0.023
108	9/28/2015 9:48	0.032	0.023
109	9/28/2015 9:49	0.013	0.022
110	9/28/2015 9:50	0.012	0.022
111	9/28/2015 9:51	0.016	0.022
112	9/28/2015 9:52	0.029	0.023
113	9/28/2015 9:53	0.016	0.023
114	9/28/2015 9:54	0.014	0.020
115	9/28/2015 9:55	0.013	0.019
116	9/28/2015 9:56	0.012	0.018
117	9/28/2015 9:57	0.019	0.017
118	9/28/2015 9:58	0.116	0.024
119	9/28/2015 9:59	0.013	0.024
120	9/28/2015 10:00	0.028	0.024
121	9/28/2015 10:01	0.120	0.031
122	9/28/2015 10:02	0.022	0.032
123	9/28/2015 10:03	0.020	0.031
124	9/28/2015 10:04	0.019	0.031
125	9/28/2015 10:05	0.013	0.031
126	9/28/2015 10:06	0.011	0.031
127	9/28/2015 10:07	0.010	0.030
128	9/28/2015 10:08	0.010	0.029
129	9/28/2015 10:09	0.010	0.029
130	9/28/2015 10:10	0.010	0.029
131	9/28/2015 10:11	0.009	0.029
132	9/28/2015 10:12	0.010	0.028
133	9/28/2015 10:13	0.009	0.021
134	9/28/2015 10:14	0.009	0.021
135	9/28/2015 10:15	0.016	0.020
136	9/28/2015 10:16	0.074	0.017
137	9/28/2015 10:17	0.018	0.017
138	9/28/2015 10:18	0.009	0.016
139	9/28/2015 10:19	0.008	0.015
140	9/28/2015 10:20	0.009	0.015
141	9/28/2015 10:21	0.010	0.015

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	**Date & Time**	**Mass Conc. (mg/m^3)**	**15-Minute Average**
92	9/28/2015 9:32	0.009	0.009
93	9/28/2015 9:33	0.009	0.009
94	9/28/2015 9:34	0.008	0.009
95	9/28/2015 9:35	0.008	0.009
96	9/28/2015 9:36	0.009	0.009
97	9/28/2015 9:37	0.008	0.009
98	9/28/2015 9:38	0.008	0.009
99	9/28/2015 9:39	0.009	0.009
100	9/28/2015 9:40	0.008	0.009
101	9/28/2015 9:41	0.008	0.009
102	9/28/2015 9:42	0.008	0.009
103	9/28/2015 9:43	0.008	0.008
104	9/28/2015 9:44	0.008	0.008
105	9/28/2015 9:45	0.008	0.008
106	9/28/2015 9:46	0.007	0.008
107	9/28/2015 9:47	0.007	0.008
108	9/28/2015 9:48	0.007	0.008
109	9/28/2015 9:49	0.007	0.008
110	9/28/2015 9:50	0.007	0.008
111	9/28/2015 9:51	0.007	0.008
112	9/28/2015 9:52	0.007	0.008
113	9/28/2015 9:53	0.007	0.008
114	9/28/2015 9:54	0.007	0.007
115	9/28/2015 9:55	0.007	0.007
116	9/28/2015 9:56	0.007	0.007
117	9/28/2015 9:57	0.007	0.007
118	9/28/2015 9:58	0.007	0.007
119	9/28/2015 9:59	0.007	0.007
120	9/28/2015 10:00	0.007	0.007
121	9/28/2015 10:01	0.007	0.007
122	9/28/2015 10:02	0.007	0.007
123	9/28/2015 10:03	0.006	0.007
124	9/28/2015 10:04	0.005	0.007
125	9/28/2015 10:05	0.005	0.007
126	9/28/2015 10:06	0.006	0.007
127	9/28/2015 10:07	0.005	0.006
128	9/28/2015 10:08	0.005	0.006
129	9/28/2015 10:09	0.005	0.006
130	9/28/2015 10:10	0.005	0.006
131	9/28/2015 10:11	0.005	0.006
132	9/28/2015 10:12	0.005	0.006
133	9/28/2015 10:13	0.004	0.006
134	9/28/2015 10:14	0.005	0.005
135	9/28/2015 10:15	0.005	0.005
136	9/28/2015 10:16	0.005	0.005
137	9/28/2015 10:17	0.005	0.005
138	9/28/2015 10:18	0.004	0.005
139	9/28/2015 10:19	0.005	0.005
140	9/28/2015 10:20	0.004	0.005
141	9/28/2015 10:21	0.005	0.005

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	VOC (ppm)	15-Minute Average
142	9/28/2015 10:22	0.010	0.015
143	9/28/2015 10:23	0.009	0.015
144	9/28/2015 10:24	0.011	0.015
145	9/28/2015 10:25	0.009	0.015
146	9/28/2015 10:26	0.013	0.015
147	9/28/2015 10:27	0.020	0.016
148	9/28/2015 10:28	0.013	0.016
149	9/28/2015 10:29	0.016	0.016
150	9/28/2015 10:30	0.038	0.018
151	9/28/2015 10:31	0.009	0.013
152	9/28/2015 10:32	0.010	0.013
153	9/28/2015 10:33	0.013	0.013
154	9/28/2015 10:34	0.016	0.014
155	9/28/2015 10:35	0.014	0.014
156	9/28/2015 10:36	0.029	0.015
157	9/28/2015 10:37	0.030	0.017
158	9/28/2015 10:38	0.017	0.017
159	9/28/2015 10:39	0.013	0.017
160	9/28/2015 10:40	0.011	0.017
161	9/28/2015 10:41	0.009	0.017
162	9/28/2015 10:42	0.013	0.017
163	9/28/2015 10:43	0.015	0.017
164	9/28/2015 10:44	0.049	0.019
165	9/28/2015 10:45	0.010	0.017
166	9/28/2015 10:46	0.009	0.017
167	9/28/2015 10:47	0.010	0.017
168	9/28/2015 10:48	0.060	0.020
169	9/28/2015 10:49	0.019	0.021
170	9/28/2015 10:50	0.027	0.021
171	9/28/2015 10:51	0.027	0.021
172	9/28/2015 10:52	0.009	0.020
173	9/28/2015 10:53	0.007	0.019
174	9/28/2015 10:54	0.016	0.019
175	9/28/2015 10:55	0.014	0.020
176	9/28/2015 10:56	0.011	0.020
177	9/28/2015 10:57	0.011	0.020
178	9/28/2015 10:58	0.035	0.021
179	9/28/2015 10:59	0.025	0.019
180	9/28/2015 11:00	0.056	0.022
181	9/28/2015 11:01	0.034	0.024
182	9/28/2015 11:02	0.012	0.024
183	9/28/2015 11:03	0.008	0.021
184	9/28/2015 11:04	0.010	0.020
185	9/28/2015 11:05	0.030	0.020
186	9/28/2015 11:06	0.027	0.020
187	9/28/2015 11:07	0.009	0.020
188	9/28/2015 11:08	0.015	0.021
189	9/28/2015 11:09	0.044	0.023
190	9/28/2015 11:10	0.016	0.023
191	9/28/2015 11:11	0.019	0.023

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
142	9/28/2015 10:22	0.005	0.005
143	9/28/2015 10:23	0.005	0.005
144	9/28/2015 10:24	0.005	0.005
145	9/28/2015 10:25	0.005	0.005
146	9/28/2015 10:26	0.006	0.005
147	9/28/2015 10:27	0.008	0.005
148	9/28/2015 10:28	0.014	0.006
149	9/28/2015 10:29	0.008	0.006
150	9/28/2015 10:30	0.004	0.006
151	9/28/2015 10:31	0.005	0.006
152	9/28/2015 10:32	0.005	0.006
153	9/28/2015 10:33	0.005	0.006
154	9/28/2015 10:34	0.005	0.006
155	9/28/2015 10:35	0.004	0.006
156	9/28/2015 10:36	0.004	0.006
157	9/28/2015 10:37	0.005	0.006
158	9/28/2015 10:38	0.004	0.006
159	9/28/2015 10:39	0.004	0.006
160	9/28/2015 10:40	0.004	0.006
161	9/28/2015 10:41	0.004	0.006
162	9/28/2015 10:42	0.004	0.005
163	9/28/2015 10:43	0.004	0.005
164	9/28/2015 10:44	0.005	0.004
165	9/28/2015 10:45	0.004	0.004
166	9/28/2015 10:46	0.004	0.004
167	9/28/2015 10:47	0.004	0.004
168	9/28/2015 10:48	0.004	0.004
169	9/28/2015 10:49	0.004	0.004
170	9/28/2015 10:50	0.004	0.004
171	9/28/2015 10:51	0.004	0.004
172	9/28/2015 10:52	0.004	0.004
173	9/28/2015 10:53	0.004	0.004
174	9/28/2015 10:54	0.005	0.004
175	9/28/2015 10:55	0.005	0.004
176	9/28/2015 10:56	0.005	0.004
177	9/28/2015 10:57	0.004	0.004
178	9/28/2015 10:58	0.005	0.004
179	9/28/2015 10:59	0.005	0.004
180	9/28/2015 11:00	0.005	0.004
181	9/28/2015 11:01	0.005	0.004
182	9/28/2015 11:02	0.005	0.005
183	9/28/2015 11:03	0.005	0.005
184	9/28/2015 11:04	0.005	0.005
185	9/28/2015 11:05	0.005	0.005
186	9/28/2015 11:06	0.005	0.005
187	9/28/2015 11:07	0.005	0.005
188	9/28/2015 11:08	0.004	0.005
189	9/28/2015 11:09	0.004	0.005
190	9/28/2015 11:10	0.004	0.005
191	9/28/2015 11:11	0.005	0.005

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	VOC (ppm)	15-Minute Average
192	9/28/2015 11:12	0.010	0.023
193	9/28/2015 11:13	0.008	0.022
194	9/28/2015 11:14	0.008	0.020
195	9/28/2015 11:15	0.008	0.017
196	9/28/2015 11:16	0.016	0.016
197	9/28/2015 11:17	0.019	0.016
198	9/28/2015 11:18	0.012	0.017
199	9/28/2015 11:19	0.012	0.017
200	9/28/2015 11:20	0.010	0.016
201	9/28/2015 11:21	0.009	0.014
202	9/28/2015 11:22	0.009	0.014
203	9/28/2015 11:23	0.010	0.014
204	9/28/2015 11:24	0.029	0.013
205	9/28/2015 11:25	0.017	0.013
206	9/28/2015 11:26	0.021	0.013
207	9/28/2015 11:27	0.049	0.016
208	9/28/2015 11:28	0.019	0.017
209	9/28/2015 11:29	0.018	0.017
210	9/28/2015 11:30	0.015	0.018
211	9/28/2015 11:31	0.061	0.021
212	9/28/2015 11:32	0.032	0.022
213	9/28/2015 11:33	0.017	0.022
214	9/28/2015 11:34	0.019	0.022
215	9/28/2015 11:35	0.020	0.023
216	9/28/2015 11:36	0.032	0.025
217	9/28/2015 11:37	0.024	0.026
218	9/28/2015 11:38	0.017	0.026
219	9/28/2015 11:39	0.010	0.025
220	9/28/2015 11:40	0.024	0.025
221	9/28/2015 11:41	0.053	0.027
222	9/28/2015 11:42	0.024	0.026
223	9/28/2015 11:43	0.010	0.025
224	9/28/2015 11:44	0.010	0.025
225	9/28/2015 11:45	0.012	0.024
226	9/28/2015 11:46	0.016	0.021
227	9/28/2015 11:47	0.010	0.020
228	9/28/2015 11:48	0.009	0.019
229	9/28/2015 11:49	0.027	0.020
230	9/28/2015 11:50	0.055	0.022
231	9/28/2015 11:51	0.066	0.024
232	9/28/2015 11:52	0.028	0.025
233	9/28/2015 11:53	0.016	0.025
234	9/28/2015 11:54	0.009	0.025
235	9/28/2015 11:55	0.041	0.026
236	9/28/2015 11:56	0.033	0.024
237	9/28/2015 11:57	0.009	0.023
238	9/28/2015 11:58	0.009	0.023
239	9/28/2015 11:59	0.011	0.023
240	9/28/2015 12:00	0.010	0.023
241	9/28/2015 12:01	0.011	0.023

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
192	9/28/2015 11:12	0.004	0.005
193	9/28/2015 11:13	0.005	0.005
194	9/28/2015 11:14	0.004	0.005
195	9/28/2015 11:15	0.005	0.005
196	9/28/2015 11:16	0.005	0.005
197	9/28/2015 11:17	0.005	0.005
198	9/28/2015 11:18	0.004	0.005
199	9/28/2015 11:19	0.005	0.005
200	9/28/2015 11:20	0.005	0.005
201	9/28/2015 11:21	0.004	0.005
202	9/28/2015 11:22	0.005	0.005
203	9/28/2015 11:23	0.005	0.005
204	9/28/2015 11:24	0.005	0.005
205	9/28/2015 11:25	0.005	0.005
206	9/28/2015 11:26	0.005	0.005
207	9/28/2015 11:27	0.005	0.005
208	9/28/2015 11:28	0.005	0.005
209	9/28/2015 11:29	0.005	0.005
210	9/28/2015 11:30	0.004	0.005
211	9/28/2015 11:31	0.004	0.005
212	9/28/2015 11:32	0.004	0.005
213	9/28/2015 11:33	0.004	0.005
214	9/28/2015 11:34	0.004	0.005
215	9/28/2015 11:35	0.005	0.005
216	9/28/2015 11:36	0.004	0.005
217	9/28/2015 11:37	0.004	0.005
218	9/28/2015 11:38	0.005	0.005
219	9/28/2015 11:39	0.004	0.004
220	9/28/2015 11:40	0.004	0.004
221	9/28/2015 11:41	0.005	0.004
222	9/28/2015 11:42	0.004	0.004
223	9/28/2015 11:43	0.004	0.004
224	9/28/2015 11:44	0.004	0.004
225	9/28/2015 11:45	0.004	0.004
226	9/28/2015 11:46	0.004	0.004
227	9/28/2015 11:47	0.003	0.004
228	9/28/2015 11:48	0.004	0.004
229	9/28/2015 11:49	0.004	0.004
230	9/28/2015 11:50	0.003	0.004
231	9/28/2015 11:51	0.003	0.004
232	9/28/2015 11:52	0.003	0.004
233	9/28/2015 11:53	0.003	0.004
234	9/28/2015 11:54	0.004	0.004
235	9/28/2015 11:55	0.004	0.004
236	9/28/2015 11:56	0.004	0.004
237	9/28/2015 11:57	0.004	0.004
238	9/28/2015 11:58	0.004	0.004
239	9/28/2015 11:59	0.003	0.004
240	9/28/2015 12:00	0.003	0.004
241	9/28/2015 12:01	0.003	0.003

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
242	9/28/2015 12:02	0.009	0.023
243	9/28/2015 12:03	0.010	0.023
244	9/28/2015 12:04	0.012	0.022
245	9/28/2015 12:05	0.012	0.019
246	9/28/2015 12:06	0.023	0.016
247	9/28/2015 12:07	0.012	0.015
248	9/28/2015 12:08	0.009	0.015
249	9/28/2015 12:09	0.013	0.015
250	9/28/2015 12:10	0.008	0.013
251	9/28/2015 12:11	0.015	0.012
252	9/28/2015 12:12	0.008	0.011
253	9/28/2015 12:13	0.019	0.012
254	9/28/2015 12:14	0.026	0.013
255	9/28/2015 12:15	0.015	0.013
256	9/28/2015 12:16	0.016	0.014
257	9/28/2015 12:17	0.023	0.015
258	9/28/2015 12:18	0.027	0.016
259	9/28/2015 12:19	0.013	0.016
260	9/28/2015 12:20	0.021	0.017
261	9/28/2015 12:21	0.013	0.016
262	9/28/2015 12:22	0.009	0.016
263	9/28/2015 12:23	0.009	0.016
264	9/28/2015 12:24	0.010	0.015
265	9/28/2015 12:25	0.038	0.017
266	9/28/2015 12:26	0.025	0.018
267	9/28/2015 12:27	0.009	0.018
268	9/28/2015 12:28	0.008	0.017
269	9/28/2015 12:29	0.033	0.018
270	9/28/2015 12:30	0.024	0.019
271	9/28/2015 12:31	0.009	0.018
272	9/28/2015 12:32	0.009	0.017
273	9/28/2015 12:33	0.008	0.016
274	9/28/2015 12:34	0.007	0.015
275	9/28/2015 12:35	0.006	0.014
276	9/28/2015 12:36	0.006	0.014
277	9/28/2015 12:37	0.007	0.014
278	9/28/2015 12:38	0.007	0.014
279	9/28/2015 12:39	0.007	0.014
280	9/28/2015 12:40	0.008	0.012
281	9/28/2015 12:41	0.006	0.010
282	9/28/2015 12:42	0.007	0.010
283	9/28/2015 12:43	0.008	0.010
284	9/28/2015 12:44	0.007	0.008
285	9/28/2015 12:45	0.009	0.007
286	9/28/2015 12:46	0.010	0.007
287	9/28/2015 12:47	0.015	0.008
288	9/28/2015 12:48	0.008	0.008
289	9/28/2015 12:49	0.010	0.008
290	9/28/2015 12:50	0.007	0.008
291	9/28/2015 12:51	0.011	0.008

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	**Date & Time**	**Mass Conc. (mg/m^3)**	**15-Minute Average**
242	9/28/2015 12:02	0.002	0.003
243	9/28/2015 12:03	0.002	0.003
244	9/28/2015 12:04	0.002	0.003
245	9/28/2015 12:05	0.002	0.003
246	9/28/2015 12:06	0.002	0.003
247	9/28/2015 12:07	0.002	0.003
248	9/28/2015 12:08	0.002	0.003
249	9/28/2015 12:09	0.002	0.003
250	9/28/2015 12:10	0.003	0.003
251	9/28/2015 12:11	0.005	0.003
252	9/28/2015 12:12	0.002	0.003
253	9/28/2015 12:13	0.003	0.003
254	9/28/2015 12:14	0.002	0.002
255	9/28/2015 12:15	0.002	0.002
256	9/28/2015 12:16	0.001	0.002
257	9/28/2015 12:17	0.002	0.002
258	9/28/2015 12:18	0.002	0.002
259	9/28/2015 12:19	0.002	0.002
260	9/28/2015 12:20	0.002	0.002
261	9/28/2015 12:21	0.002	0.002
262	9/28/2015 12:22	0.001	0.002
263	9/28/2015 12:23	0.001	0.002
264	9/28/2015 12:24	0.001	0.002
265	9/28/2015 12:25	0.001	0.002
266	9/28/2015 12:26	0.001	0.002
267	9/28/2015 12:27	0.001	0.002
268	9/28/2015 12:28	0.001	0.001
269	9/28/2015 12:29	0.001	0.001
270	9/28/2015 12:30	0.001	0.001
271	9/28/2015 12:31	0.001	0.001
272	9/28/2015 12:32	0.001	0.001
273	9/28/2015 12:33	0.001	0.001
274	9/28/2015 12:34	0.001	0.001
275	9/28/2015 12:35	0.002	0.001
276	9/28/2015 12:36	0.001	0.001
277	9/28/2015 12:37	0.001	0.001
278	9/28/2015 12:38	0.001	0.001
279	9/28/2015 12:39	0.001	0.001
280	9/28/2015 12:40	0.001	0.001
281	9/28/2015 12:41	0.001	0.001
282	9/28/2015 12:42	0.001	0.001
283	9/28/2015 12:43	0.001	0.001
284	9/28/2015 12:44	0.001	0.001
285	9/28/2015 12:45	0.001	0.001
286	9/28/2015 12:46	0.001	0.001
287	9/28/2015 12:47	0.001	0.001
288	9/28/2015 12:48	0.001	0.001
289	9/28/2015 12:49	0.001	0.001
290	9/28/2015 12:50	0.001	0.001
291	9/28/2015 12:51	0.001	0.001

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	VOC (ppm)	15-Minute Average
292	9/28/2015 12:52	0.013	0.009
293	9/28/2015 12:53	0.201	0.022
294	9/28/2015 12:54	0.361	0.045
295	9/28/2015 12:55	0.030	0.047
296	9/28/2015 12:56	0.024	0.048
297	9/28/2015 12:57	0.019	0.049
298	9/28/2015 12:58	0.017	0.049
299	9/28/2015 12:59	0.013	0.050
300	9/28/2015 13:00	0.030	0.051
301	9/28/2015 13:01	0.055	0.054
302	9/28/2015 13:02	0.015	0.054
303	9/28/2015 13:03	0.009	0.054
304	9/28/2015 13:04	0.012	0.054
305	9/28/2015 13:05	0.011	0.055
306	9/28/2015 13:06	0.010	0.055
307	9/28/2015 13:07	0.008	0.054
308	9/28/2015 13:08	0.037	0.043
309	9/28/2015 13:09	0.011	0.020
310	9/28/2015 13:10	0.009	0.019
311	9/28/2015 13:11	0.007	0.018
312	9/28/2015 13:12	0.007	0.017
313	9/28/2015 13:13	0.007	0.016
314	9/28/2015 13:14	0.007	0.016
315	9/28/2015 13:15	0.006	0.014
316	9/28/2015 13:16	0.006	0.011
317	9/28/2015 13:17	0.006	0.010
318	9/28/2015 13:18	0.006	0.010
319	9/28/2015 13:19	0.006	0.010
320	9/28/2015 13:20	0.006	0.009
321	9/28/2015 13:21	0.006	0.009
322	9/28/2015 13:22	0.006	0.009
323	9/28/2015 13:23	0.006	0.007
324	9/28/2015 13:24	0.006	0.006
325	9/28/2015 13:25	0.007	0.006
326	9/28/2015 13:26	0.009	0.006
327	9/28/2015 13:27	0.024	0.008
328	9/28/2015 13:28	0.042	0.010
329	9/28/2015 13:29	0.016	0.011
330	9/28/2015 13:30	0.009	0.011
331	9/28/2015 13:31	0.008	0.011
332	9/28/2015 13:32	0.009	0.011
333	9/28/2015 13:33	0.012	0.011
334	9/28/2015 13:34	0.024	0.013
335	9/28/2015 13:35	0.010	0.013
336	9/28/2015 13:36	0.013	0.013
337	9/28/2015 13:37	0.006	0.013
338	9/28/2015 13:38	0.007	0.013
339	9/28/2015 13:39	0.011	0.014
340	9/28/2015 13:40	0.100	0.020
341	9/28/2015 13:41	0.086	0.025

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
292	9/28/2015 12:52	0.001	0.001
293	9/28/2015 12:53	0.001	0.001
294	9/28/2015 12:54	0.001	0.001
295	9/28/2015 12:55	0.001	0.001
296	9/28/2015 12:56	0.001	0.001
297	9/28/2015 12:57	0.001	0.001
298	9/28/2015 12:58	0.001	0.001
299	9/28/2015 12:59	0.001	0.001
300	9/28/2015 13:00	0.001	0.001
301	9/28/2015 13:01	0.001	0.001
302	9/28/2015 13:02	0.001	0.001
303	9/28/2015 13:03	0.001	0.001
304	9/28/2015 13:04	0.001	0.001
305	9/28/2015 13:05	0.001	0.001
306	9/28/2015 13:06	0.001	0.001
307	9/28/2015 13:07	0.001	0.001
308	9/28/2015 13:08	0.001	0.001
309	9/28/2015 13:09	0.001	0.001
310	9/28/2015 13:10	0.001	0.001
311	9/28/2015 13:11	0.001	0.001
312	9/28/2015 13:12	0.001	0.001
313	9/28/2015 13:13	0.001	0.001
314	9/28/2015 13:14	0.001	0.001
315	9/28/2015 13:15	0.000	0.001
316	9/28/2015 13:16	0.001	0.001
317	9/28/2015 13:17	0.001	0.001
318	9/28/2015 13:18	0.000	0.001
319	9/28/2015 13:19	0.001	0.001
320	9/28/2015 13:20	0.001	0.001
321	9/28/2015 13:21	0.001	0.001
322	9/28/2015 13:22	0.001	0.001
323	9/28/2015 13:23	0.001	0.001
324	9/28/2015 13:24	0.000	0.001
325	9/28/2015 13:25	0.000	0.001
326	9/28/2015 13:26	0.000	0.001
327	9/28/2015 13:27	0.001	0.001
328	9/28/2015 13:28	0.001	0.001
329	9/28/2015 13:29	0.001	0.001
330	9/28/2015 13:30	0.000	0.001
331	9/28/2015 13:31	0.001	0.001
332	9/28/2015 13:32	0.001	0.001
333	9/28/2015 13:33	0.001	0.001
334	9/28/2015 13:34	0.001	0.001
335	9/28/2015 13:35	0.000	0.001
336	9/28/2015 13:36	0.001	0.001
337	9/28/2015 13:37	0.000	0.001
338	9/28/2015 13:38	0.000	0.001
339	9/28/2015 13:39	0.000	0.001
340	9/28/2015 13:40	0.001	0.001
341	9/28/2015 13:41	0.001	0.001

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	VOC (ppm)	15-Minute Average
342	9/28/2015 13:42	0.040	0.026
343	9/28/2015 13:43	0.061	0.027
344	9/28/2015 13:44	0.102	0.033
345	9/28/2015 13:45	0.019	0.034
346	9/28/2015 13:46	0.011	0.034
347	9/28/2015 13:47	0.007	0.034
348	9/28/2015 13:48	0.008	0.034
349	9/28/2015 13:49	0.008	0.033
350	9/28/2015 13:50	0.007	0.032
351	9/28/2015 13:51	0.009	0.032
352	9/28/2015 13:52	0.016	0.033
353	9/28/2015 13:53	0.016	0.033
354	9/28/2015 13:54	0.010	0.033
355	9/28/2015 13:55	0.014	0.028
356	9/28/2015 13:56	0.011	0.023
357	9/28/2015 13:57	0.032	0.022
358	9/28/2015 13:58	0.054	0.022
359	9/28/2015 13:59	0.079	0.020
360	9/28/2015 14:00	0.044	0.022
361	9/28/2015 14:01	0.016	0.022
362	9/28/2015 14:02	0.022	0.023
363	9/28/2015 14:03	0.016	0.024
364	9/28/2015 14:04	0.035	0.025
365	9/28/2015 14:05	0.013	0.026
366	9/28/2015 14:06	0.012	0.026
367	9/28/2015 14:07	0.011	0.026
368	9/28/2015 14:08	0.012	0.025
369	9/28/2015 14:09	0.019	0.026
370	9/28/2015 14:10	0.022	0.027
371	9/28/2015 14:11	0.011	0.027
372	9/28/2015 14:12	0.016	0.025
373	9/28/2015 14:13	0.019	0.023
374	9/28/2015 14:14	0.018	0.019
375	9/28/2015 14:15	0.025	0.018
376	9/28/2015 14:16	0.014	0.018
377	9/28/2015 14:17	0.020	0.018
378	9/28/2015 14:18	0.025	0.018
379	9/28/2015 14:19	0.024	0.017
380	9/28/2015 14:20	0.016	0.018
381	9/28/2015 14:21	0.008	0.017
382	9/28/2015 14:22	0.016	0.018
383	9/28/2015 14:23	0.036	0.019
384	9/28/2015 14:24	0.033	0.020
385	9/28/2015 14:25	0.008	0.019
386	9/28/2015 14:26	0.023	0.020
387	9/28/2015 14:27	0.027	0.021
388	9/28/2015 14:28	0.008	0.020
389	9/28/2015 14:29	0.008	0.019
390	9/28/2015 14:30	0.006	0.018
391	9/28/2015 14:31	0.006	0.018

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
342	9/28/2015 13:42	0.000	0.001
343	9/28/2015 13:43	0.000	0.001
344	9/28/2015 13:44	0.000	0.000
345	9/28/2015 13:45	0.001	0.001
346	9/28/2015 13:46	0.000	0.000
347	9/28/2015 13:47	0.001	0.000
348	9/28/2015 13:48	0.001	0.000
349	9/28/2015 13:49	0.000	0.000
350	9/28/2015 13:50	0.001	0.000
351	9/28/2015 13:51	0.001	0.000
352	9/28/2015 13:52	0.001	0.001
353	9/28/2015 13:53	0.000	0.001
354	9/28/2015 13:54	0.000	0.001
355	9/28/2015 13:55	0.000	0.000
356	9/28/2015 13:56	0.000	0.000
357	9/28/2015 13:57	0.000	0.000
358	9/28/2015 13:58	0.001	0.000
359	9/28/2015 13:59	0.000	0.000
360	9/28/2015 14:00	0.000	0.000
361	9/28/2015 14:01	0.001	0.000
362	9/28/2015 14:02	0.001	0.000
363	9/28/2015 14:03	0.001	0.000
364	9/28/2015 14:04	0.001	0.001
365	9/28/2015 14:05	0.001	0.001
366	9/28/2015 14:06	0.001	0.001
367	9/28/2015 14:07	0.001	0.001
368	9/28/2015 14:08	0.001	0.001
369	9/28/2015 14:09	0.001	0.001
370	9/28/2015 14:10	0.001	0.001
371	9/28/2015 14:11	0.001	0.001
372	9/28/2015 14:12	0.002	0.001
373	9/28/2015 14:13	0.002	0.001
374	9/28/2015 14:14	0.002	0.001
375	9/28/2015 14:15	0.002	0.001
376	9/28/2015 14:16	0.002	0.001
377	9/28/2015 14:17	0.001	0.001
378	9/28/2015 14:18	0.001	0.001
379	9/28/2015 14:19	0.001	0.001
380	9/28/2015 14:20	0.001	0.001
381	9/28/2015 14:21	0.002	0.001
382	9/28/2015 14:22	0.001	0.001
383	9/28/2015 14:23		0.001
384	9/28/2015 14:24		0.001
385	9/28/2015 14:25		0.002
386	9/28/2015 14:26		0.002
387	9/28/2015 14:27		0.002
388	9/28/2015 14:28		0.001
389	9/28/2015 14:29		0.001
390	9/28/2015 14:30		0.001
391	9/28/2015 14:31		0.001

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
392	9/28/2015 14:32	0.008	0.017
393	9/28/2015 14:33	0.007	0.016
394	9/28/2015 14:34	0.006	0.014
395	9/28/2015 14:35	0.015	0.014
396	9/28/2015 14:36	0.024	0.015
397	9/28/2015 14:37	0.012	0.015
398	9/28/2015 14:38	0.284	0.032

Monday, September 28, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	**Date & Time**	**Mass Conc. (mg/m^3)**	**15-Minute Average**
392	9/28/2015 14:32		0.001
393	9/28/2015 14:33		0.001
394	9/28/2015 14:34		0.001
395	9/28/2015 14:35		0.002
396	9/28/2015 14:36		0.001
397	9/28/2015 14:37		
398	9/28/2015 14:38		

Upwind VOC Data Summary		
Maximum	1.9	ppm
Minimum	0.1	ppm
Average	0.9	ppm
Maximum 15-Minute Average	1.9	ppm

Downwind VOC Data Summary		
Maximum	0.8	ppm
Minimum	0.1	ppm
Average	0.5	ppm
Maximum 15-Minute Average	0.7	ppm

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
1	9/29/2015 7:57		
2	9/29/2015 7:58		
3	9/29/2015 7:59		
4	9/29/2015 8:00		
5	9/29/2015 8:01		
6	9/29/2015 8:02		
7	9/29/2015 8:03		
8	9/29/2015 8:04		
9	9/29/2015 8:05		
10	9/29/2015 8:06		
11	9/29/2015 8:07		
12	9/29/2015 8:08	0.3	
13	9/29/2015 8:09	0.3	
14	9/29/2015 8:10	0.4	
15	9/29/2015 8:11	0.5	0.4
16	9/29/2015 8:12	0.4	0.4
17	9/29/2015 8:13	0.4	0.4
18	9/29/2015 8:14	0.4	0.4
19	9/29/2015 8:15	0.4	0.4
20	9/29/2015 8:16	0.4	0.4
21	9/29/2015 8:17	0.5	0.4
22	9/29/2015 8:18	0.5	0.4
23	9/29/2015 8:19	0.6	0.4
24	9/29/2015 8:20	0.7	0.5
25	9/29/2015 8:21	0.7	0.5
26	9/29/2015 8:22	0.8	0.5
27	9/29/2015 8:23	0.9	0.5
28	9/29/2015 8:24	0.9	0.6
29	9/29/2015 8:25	1.0	0.6
30	9/29/2015 8:26	1.1	0.7
31	9/29/2015 8:27	1.1	0.7
32	9/29/2015 8:28	1.2	0.8
33	9/29/2015 8:29	1.3	0.8
34	9/29/2015 8:30	1.3	0.9
35	9/29/2015 8:31	1.4	0.9
36	9/29/2015 8:32	1.4	1.0
37	9/29/2015 8:33	1.5	1.1
38	9/29/2015 8:34	1.6	1.1
39	9/29/2015 8:35	1.6	1.2
40	9/29/2015 8:36	1.6	1.2
41	9/29/2015 8:37	1.7	1.3
42	9/29/2015 8:38	1.7	1.4

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
1	9/29/2015 7:57	0.1	
2	9/29/2015 7:58	0.2	
3	9/29/2015 7:59	0.2	
4	9/29/2015 8:00	0.3	
5	9/29/2015 8:01	0.3	
6	9/29/2015 8:02	0.3	
7	9/29/2015 8:03	0.4	
8	9/29/2015 8:04	0.4	
9	9/29/2015 8:05	0.4	
10	9/29/2015 8:06	0.4	
11	9/29/2015 8:07	0.4	
12	9/29/2015 8:08	0.5	
13	9/29/2015 8:09	0.4	
14	9/29/2015 8:10	0.5	
15	9/29/2015 8:11	0.5	0.4
16	9/29/2015 8:12	0.5	0.4
17	9/29/2015 8:13	0.5	0.4
18	9/29/2015 8:14	0.5	0.4
19	9/29/2015 8:15	0.5	0.4
20	9/29/2015 8:16	0.5	0.4
21	9/29/2015 8:17	0.5	0.4
22	9/29/2015 8:18	0.5	0.5
23	9/29/2015 8:19	0.5	0.5
24	9/29/2015 8:20	0.5	0.5
25	9/29/2015 8:21	0.5	0.5
26	9/29/2015 8:22	0.5	0.5
27	9/29/2015 8:23	0.5	0.5
28	9/29/2015 8:24	0.5	0.5
29	9/29/2015 8:25	0.5	0.5
30	9/29/2015 8:26	0.5	0.5
31	9/29/2015 8:27	0.5	0.5
32	9/29/2015 8:28	0.5	0.5
33	9/29/2015 8:29	0.5	0.5
34	9/29/2015 8:30	0.5	0.5
35	9/29/2015 8:31	0.5	0.5
36	9/29/2015 8:32	0.5	0.5
37	9/29/2015 8:33	0.5	0.5
38	9/29/2015 8:34	0.5	0.5
39	9/29/2015 8:35	0.5	0.5
40	9/29/2015 8:36	0.5	0.5
41	9/29/2015 8:37	0.5	0.5
42	9/29/2015 8:38	0.5	0.5

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
43	9/29/2015 8:39	1.7	1.4
44	9/29/2015 8:40	1.7	1.5
45	9/29/2015 8:41	1.7	1.5
46	9/29/2015 8:42	1.7	1.5
47	9/29/2015 8:43	1.7	1.6
48	9/29/2015 8:44	1.8	1.6
49	9/29/2015 8:45	1.8	1.6
50	9/29/2015 8:46	1.8	1.7
51	9/29/2015 8:47	1.8	1.7
52	9/29/2015 8:48	1.8	1.7
53	9/29/2015 8:49	1.8	1.7
54	9/29/2015 8:50	1.8	1.7
55	9/29/2015 8:51	1.8	1.8
56	9/29/2015 8:52	1.8	1.8
57	9/29/2015 8:53	1.8	1.8
58	9/29/2015 8:54	1.9	1.8
59	9/29/2015 8:55	1.9	1.8
60	9/29/2015 8:56	1.8	1.8
61	9/29/2015 8:57	1.9	1.8
62	9/29/2015 8:58	1.9	1.8
63	9/29/2015 8:59	1.9	1.8
64	9/29/2015 9:00	1.9	1.8
65	9/29/2015 9:01	1.9	1.8
66	9/29/2015 9:02	1.9	1.8
67	9/29/2015 9:03	1.9	1.8
68	9/29/2015 9:04	1.9	1.9
69	9/29/2015 9:05	1.9	1.9
70	9/29/2015 9:06	1.9	1.9
71	9/29/2015 9:07	1.9	1.9
72	9/29/2015 9:08	1.9	1.9
73	9/29/2015 9:09	1.9	1.9
74	9/29/2015 9:10	1.9	1.9
75	9/29/2015 9:11	1.9	1.9
76	9/29/2015 9:12	1.9	1.9
77	9/29/2015 9:13	1.9	1.9
78	9/29/2015 9:14	1.9	1.9
79	9/29/2015 9:15	1.9	1.9
80	9/29/2015 9:16	1.9	1.9
81	9/29/2015 9:17	1.9	1.9
82	9/29/2015 9:18	1.9	1.9
83	9/29/2015 9:19	1.9	1.9
84	9/29/2015 9:20	1.8	1.9
85	9/29/2015 9:21	1.8	1.9
86	9/29/2015 9:22	1.8	1.9
87	9/29/2015 9:23	1.8	1.9
88	9/29/2015 9:24	1.8	1.9
89	9/29/2015 9:25	1.8	1.9
90	9/29/2015 9:26	1.8	1.8
91	9/29/2015 9:27	1.8	1.8
92	9/29/2015 9:28	1.8	1.8

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
43	9/29/2015 8:39	0.5	0.5
44	9/29/2015 8:40	0.5	0.5
45	9/29/2015 8:41	0.5	0.5
46	9/29/2015 8:42	0.5	0.5
47	9/29/2015 8:43	0.5	0.5
48	9/29/2015 8:44	0.6	0.5
49	9/29/2015 8:45	0.5	0.5
50	9/29/2015 8:46	0.5	0.5
51	9/29/2015 8:47	0.5	0.5
52	9/29/2015 8:48	0.5	0.5
53	9/29/2015 8:49	0.5	0.5
54	9/29/2015 8:50	0.5	0.5
55	9/29/2015 8:51	0.5	0.5
56	9/29/2015 8:52	0.5	0.5
57	9/29/2015 8:53	0.5	0.5
58	9/29/2015 8:54	0.5	0.5
59	9/29/2015 8:55	0.5	0.5
60	9/29/2015 8:56	0.5	0.5
61	9/29/2015 8:57	0.5	0.5
62	9/29/2015 8:58	0.5	0.5
63	9/29/2015 8:59	0.5	0.5
64	9/29/2015 9:00	0.5	0.5
65	9/29/2015 9:01	0.5	0.5
66	9/29/2015 9:02	0.5	0.5
67	9/29/2015 9:03	0.5	0.5
68	9/29/2015 9:04	0.5	0.5
69	9/29/2015 9:05	0.5	0.5
70	9/29/2015 9:06	0.5	0.5
71	9/29/2015 9:07	0.5	0.5
72	9/29/2015 9:08	0.5	0.5
73	9/29/2015 9:09	0.5	0.5
74	9/29/2015 9:10	0.5	0.5
75	9/29/2015 9:11	0.5	0.5
76	9/29/2015 9:12	0.5	0.5
77	9/29/2015 9:13	0.5	0.5
78	9/29/2015 9:14	0.5	0.5
79	9/29/2015 9:15	0.5	0.5
80	9/29/2015 9:16	0.5	0.5
81	9/29/2015 9:17	0.5	0.5
82	9/29/2015 9:18	0.5	0.5
83	9/29/2015 9:19	0.5	0.5
84	9/29/2015 9:20	0.5	0.5
85	9/29/2015 9:21	0.5	0.5
86	9/29/2015 9:22	0.5	0.5
87	9/29/2015 9:23	0.5	0.5
88	9/29/2015 9:24	0.5	0.5
89	9/29/2015 9:25	0.5	0.5
90	9/29/2015 9:26	0.5	0.5
91	9/29/2015 9:27	0.5	0.5
92	9/29/2015 9:28	0.5	0.5

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
93	9/29/2015 9:29	1.8	1.8
94	9/29/2015 9:30	1.8	1.8
95	9/29/2015 9:31	1.8	1.8
96	9/29/2015 9:32	1.8	1.8
97	9/29/2015 9:33	1.7	1.8
98	9/29/2015 9:34	1.7	1.8
99	9/29/2015 9:35	1.7	1.8
100	9/29/2015 9:36	1.7	1.8
101	9/29/2015 9:37	1.7	1.8
102	9/29/2015 9:38	1.7	1.8
103	9/29/2015 9:39	1.7	1.7
104	9/29/2015 9:40	1.7	1.7
105	9/29/2015 9:41	1.7	1.7
106	9/29/2015 9:42	1.6	1.7
107	9/29/2015 9:43	1.6	1.7
108	9/29/2015 9:44	1.6	1.7
109	9/29/2015 9:45	1.6	1.7
110	9/29/2015 9:46	1.6	1.7
111	9/29/2015 9:47	1.6	1.7
112	9/29/2015 9:48	1.6	1.7
113	9/29/2015 9:49	1.6	1.6
114	9/29/2015 9:50	1.6	1.6
115	9/29/2015 9:51	1.6	1.6
116	9/29/2015 9:52	1.5	1.6
117	9/29/2015 9:53	1.5	1.6
118	9/29/2015 9:54	1.5	1.6
119	9/29/2015 9:55	1.5	1.6
120	9/29/2015 9:56	1.5	1.6
121	9/29/2015 9:57	1.5	1.6
122	9/29/2015 9:58	1.5	1.6
123	9/29/2015 9:59	1.4	1.5
124	9/29/2015 10:00	1.4	1.5
125	9/29/2015 10:01	1.4	1.5
126	9/29/2015 10:02	1.4	1.5
127	9/29/2015 10:03	1.4	1.5
128	9/29/2015 10:04	1.4	1.5
129	9/29/2015 10:05	1.4	1.5
130	9/29/2015 10:06	1.4	1.5
131	9/29/2015 10:07	1.4	1.4
132	9/29/2015 10:08	1.3	1.4
133	9/29/2015 10:09	1.3	1.4
134	9/29/2015 10:10	1.3	1.4
135	9/29/2015 10:11	1.3	1.4
136	9/29/2015 10:12	1.3	1.4
137	9/29/2015 10:13	1.3	1.4
138	9/29/2015 10:14	1.3	1.4
139	9/29/2015 10:15	1.3	1.3
140	9/29/2015 10:16	1.2	1.3
141	9/29/2015 10:17	1.2	1.3
142	9/29/2015 10:18	1.2	1.3

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
93	9/29/2015 9:29	0.5	0.5
94	9/29/2015 9:30	0.5	0.5
95	9/29/2015 9:31	0.5	0.5
96	9/29/2015 9:32	0.5	0.5
97	9/29/2015 9:33	0.5	0.5
98	9/29/2015 9:34	0.5	0.5
99	9/29/2015 9:35	0.5	0.5
100	9/29/2015 9:36	0.4	0.5
101	9/29/2015 9:37	0.5	0.5
102	9/29/2015 9:38	0.5	0.5
103	9/29/2015 9:39	0.5	0.5
104	9/29/2015 9:40	0.5	0.5
105	9/29/2015 9:41	0.5	0.5
106	9/29/2015 9:42	0.4	0.5
107	9/29/2015 9:43	0.5	0.5
108	9/29/2015 9:44	0.5	0.5
109	9/29/2015 9:45	0.4	0.5
110	9/29/2015 9:46	0.4	0.5
111	9/29/2015 9:47	0.4	0.5
112	9/29/2015 9:48	0.4	0.5
113	9/29/2015 9:49	0.5	0.5
114	9/29/2015 9:50	0.4	0.5
115	9/29/2015 9:51	0.4	0.5
116	9/29/2015 9:52	0.4	0.4
117	9/29/2015 9:53	0.4	0.4
118	9/29/2015 9:54	0.4	0.4
119	9/29/2015 9:55	0.4	0.4
120	9/29/2015 9:56	0.4	0.4
121	9/29/2015 9:57	0.5	0.4
122	9/29/2015 9:58	0.5	0.4
123	9/29/2015 9:59	0.4	0.4
124	9/29/2015 10:00	0.4	0.4
125	9/29/2015 10:01	0.5	0.4
126	9/29/2015 10:02	0.5	0.4
127	9/29/2015 10:03	0.5	0.4
128	9/29/2015 10:04	0.5	0.5
129	9/29/2015 10:05	0.4	0.5
130	9/29/2015 10:06	0.4	0.5
131	9/29/2015 10:07	0.4	0.5
132	9/29/2015 10:08	0.4	0.5
133	9/29/2015 10:09	0.4	0.5
134	9/29/2015 10:10	0.5	0.5
135	9/29/2015 10:11	0.4	0.5
136	9/29/2015 10:12	0.5	0.5
137	9/29/2015 10:13	0.4	0.5
138	9/29/2015 10:14	0.4	0.5
139	9/29/2015 10:15	0.4	0.5
140	9/29/2015 10:16	0.4	0.5
141	9/29/2015 10:17	0.4	0.4
142	9/29/2015 10:18	0.5	0.4

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
143	9/29/2015 10:19	1.2	1.3
144	9/29/2015 10:20	1.2	1.3
145	9/29/2015 10:21	1.2	1.3
146	9/29/2015 10:22	1.2	1.3
147	9/29/2015 10:23	1.2	1.3
148	9/29/2015 10:24	1.2	1.2
149	9/29/2015 10:25	1.2	1.2
150	9/29/2015 10:26	1.2	1.2
151	9/29/2015 10:27	1.2	1.2
152	9/29/2015 10:28	1.1	1.2
153	9/29/2015 10:29	1.1	1.2
154	9/29/2015 10:30	1.1	1.2
155	9/29/2015 10:31	1.1	1.2
156	9/29/2015 10:32	1.1	1.2
157	9/29/2015 10:33	1.1	1.2
158	9/29/2015 10:34	1.1	1.2
159	9/29/2015 10:35	1.1	1.1
160	9/29/2015 10:36	1.1	1.1
161	9/29/2015 10:37	1.1	1.1
162	9/29/2015 10:38	1.1	1.1
163	9/29/2015 10:39	1.1	1.1
164	9/29/2015 10:40	1.0	1.1
165	9/29/2015 10:41	1.0	1.1
166	9/29/2015 10:42	1.0	1.1
167	9/29/2015 10:43	1.0	1.1
168	9/29/2015 10:44	1.0	1.1
169	9/29/2015 10:45	1.0	1.1
170	9/29/2015 10:46	1.0	1.1
171	9/29/2015 10:47	1.0	1.1
172	9/29/2015 10:48	1.0	1.0
173	9/29/2015 10:49	1.0	1.0
174	9/29/2015 10:50	1.0	1.0
175	9/29/2015 10:51	1.0	1.0
176	9/29/2015 10:52	1.0	1.0
177	9/29/2015 10:53	1.0	1.0
178	9/29/2015 10:54	1.0	1.0
179	9/29/2015 10:55	0.9	1.0
180	9/29/2015 10:56	0.9	1.0
181	9/29/2015 10:57	0.9	1.0
182	9/29/2015 10:58	0.9	1.0
183	9/29/2015 10:59	0.9	1.0
184	9/29/2015 11:00	0.9	1.0
185	9/29/2015 11:01	0.9	1.0
186	9/29/2015 11:02	0.9	1.0
187	9/29/2015 11:03	0.9	1.0
188	9/29/2015 11:04	0.9	0.9
189	9/29/2015 11:05	0.9	0.9
190	9/29/2015 11:06	0.9	0.9
191	9/29/2015 11:07	0.9	0.9
192	9/29/2015 11:08	0.9	0.9

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
143	9/29/2015 10:19	0.5	0.4
144	9/29/2015 10:20	0.5	0.4
145	9/29/2015 10:21	0.4	0.4
146	9/29/2015 10:22	0.4	0.4
147	9/29/2015 10:23	0.4	0.4
148	9/29/2015 10:24	0.4	0.4
149	9/29/2015 10:25	0.4	0.4
150	9/29/2015 10:26	0.4	0.4
151	9/29/2015 10:27	0.4	0.4
152	9/29/2015 10:28	0.4	0.4
153	9/29/2015 10:29	0.4	0.4
154	9/29/2015 10:30	0.4	0.4
155	9/29/2015 10:31	0.5	0.4
156	9/29/2015 10:32	0.5	0.5
157	9/29/2015 10:33	0.5	0.5
158	9/29/2015 10:34	0.5	0.5
159	9/29/2015 10:35	0.5	0.5
160	9/29/2015 10:36	0.4	0.5
161	9/29/2015 10:37	0.5	0.5
162	9/29/2015 10:38	0.5	0.5
163	9/29/2015 10:39	0.5	0.5
164	9/29/2015 10:40	0.6	0.5
165	9/29/2015 10:41	0.5	0.5
166	9/29/2015 10:42	0.5	0.5
167	9/29/2015 10:43	0.6	0.5
168	9/29/2015 10:44	0.5	0.5
169	9/29/2015 10:45	0.5	0.5
170	9/29/2015 10:46	0.4	0.5
171	9/29/2015 10:47	0.4	0.5
172	9/29/2015 10:48	0.4	0.5
173	9/29/2015 10:49	0.4	0.5
174	9/29/2015 10:50	0.5	0.5
175	9/29/2015 10:51	0.5	0.5
176	9/29/2015 10:52	0.5	0.5
177	9/29/2015 10:53	0.4	0.5
178	9/29/2015 10:54	0.4	0.5
179	9/29/2015 10:55	0.4	0.5
180	9/29/2015 10:56	0.4	0.5
181	9/29/2015 10:57	0.5	0.5
182	9/29/2015 10:58	0.5	0.5
183	9/29/2015 10:59	0.5	0.5
184	9/29/2015 11:00	0.5	0.5
185	9/29/2015 11:01	0.5	0.5
186	9/29/2015 11:02	0.6	0.5
187	9/29/2015 11:03	0.5	0.5
188	9/29/2015 11:04	0.5	0.5
189	9/29/2015 11:05	0.5	0.5
190	9/29/2015 11:06	0.5	0.5
191	9/29/2015 11:07	0.5	0.5
192	9/29/2015 11:08	0.5	0.5

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
193	9/29/2015 11:09	0.9	0.9
194	9/29/2015 11:10	0.9	0.9
195	9/29/2015 11:11	0.9	0.9
196	9/29/2015 11:12	0.9	0.9
197	9/29/2015 11:13	0.9	0.9
198	9/29/2015 11:14	0.9	0.9
199	9/29/2015 11:15	0.9	0.9
200	9/29/2015 11:16	0.9	0.9
201	9/29/2015 11:17	0.9	0.9
202	9/29/2015 11:18	0.9	0.9
203	9/29/2015 11:19	0.8	0.9
204	9/29/2015 11:20	0.8	0.9
205	9/29/2015 11:21	0.8	0.9
206	9/29/2015 11:22	0.8	0.9
207	9/29/2015 11:23	0.8	0.9
208	9/29/2015 11:24	0.8	0.9
209	9/29/2015 11:25	0.8	0.9
210	9/29/2015 11:26	0.8	0.9
211	9/29/2015 11:27	0.8	0.8
212	9/29/2015 11:28	0.8	0.8
213	9/29/2015 11:29	0.8	0.8
214	9/29/2015 11:30	0.8	0.8
215	9/29/2015 11:31	0.8	0.8
216	9/29/2015 11:32	0.8	0.8
217	9/29/2015 11:33	0.8	0.8
218	9/29/2015 11:34	0.8	0.8
219	9/29/2015 11:35	0.8	0.8
220	9/29/2015 11:36	0.8	0.8
221	9/29/2015 11:37	0.8	0.8
222	9/29/2015 11:38	0.8	0.8
223	9/29/2015 11:39	0.8	0.8
224	9/29/2015 11:40	0.8	0.8
225	9/29/2015 11:41	0.8	0.8
226	9/29/2015 11:42	0.8	0.8
227	9/29/2015 11:43	0.8	0.8
228	9/29/2015 11:44	0.7	0.8
229	9/29/2015 11:45	0.7	0.8
230	9/29/2015 11:46	0.7	0.8
231	9/29/2015 11:47	0.7	0.8
232	9/29/2015 11:48	0.7	0.8
233	9/29/2015 11:49	0.7	0.8
234	9/29/2015 11:50	0.7	0.8
235	9/29/2015 11:51	0.7	0.8
236	9/29/2015 11:52	0.7	0.7
237	9/29/2015 11:53	0.7	0.7
238	9/29/2015 11:54	0.7	0.7
239	9/29/2015 11:55	0.7	0.7
240	9/29/2015 11:56	0.7	0.7
241	9/29/2015 11:57	0.7	0.7
242	9/29/2015 11:58	0.7	0.7

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
193	9/29/2015 11:09	0.5	0.5
194	9/29/2015 11:10	0.5	0.5
195	9/29/2015 11:11	0.5	0.5
196	9/29/2015 11:12	0.5	0.5
197	9/29/2015 11:13	0.5	0.5
198	9/29/2015 11:14	0.5	0.5
199	9/29/2015 11:15	0.5	0.5
200	9/29/2015 11:16	0.5	0.5
201	9/29/2015 11:17	0.5	0.5
202	9/29/2015 11:18	0.5	0.5
203	9/29/2015 11:19	0.5	0.5
204	9/29/2015 11:20	0.5	0.5
205	9/29/2015 11:21	0.5	0.5
206	9/29/2015 11:22	0.5	0.5
207	9/29/2015 11:23	0.5	0.5
208	9/29/2015 11:24	0.5	0.5
209	9/29/2015 11:25	0.5	0.5
210	9/29/2015 11:26	0.5	0.5
211	9/29/2015 11:27	0.5	0.5
212	9/29/2015 11:28	0.5	0.5
213	9/29/2015 11:29	0.5	0.5
214	9/29/2015 11:30	0.5	0.5
215	9/29/2015 11:31	0.5	0.5
216	9/29/2015 11:32	0.5	0.5
217	9/29/2015 11:33	0.5	0.5
218	9/29/2015 11:34	0.5	0.5
219	9/29/2015 11:35	0.5	0.5
220	9/29/2015 11:36	0.5	0.5
221	9/29/2015 11:37	0.5	0.5
222	9/29/2015 11:38	0.5	0.5
223	9/29/2015 11:39	0.5	0.5
224	9/29/2015 11:40	0.5	0.5
225	9/29/2015 11:41	0.5	0.5
226	9/29/2015 11:42	0.5	0.5
227	9/29/2015 11:43	0.5	0.5
228	9/29/2015 11:44	0.5	0.5
229	9/29/2015 11:45	0.5	0.5
230	9/29/2015 11:46	0.5	0.5
231	9/29/2015 11:47	0.5	0.5
232	9/29/2015 11:48	0.5	0.5
233	9/29/2015 11:49	0.5	0.5
234	9/29/2015 11:50	0.5	0.5
235	9/29/2015 11:51	0.5	0.5
236	9/29/2015 11:52	0.5	0.5
237	9/29/2015 11:53	0.5	0.5
238	9/29/2015 11:54	0.5	0.5
239	9/29/2015 11:55	0.5	0.5
240	9/29/2015 11:56	0.5	0.5
241	9/29/2015 11:57	0.6	0.5
242	9/29/2015 11:58	0.7	0.5

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
243	9/29/2015 11:59	0.7	0.7
244	9/29/2015 12:00	0.7	0.7
245	9/29/2015 12:01	0.7	0.7
246	9/29/2015 12:02	0.7	0.7
247	9/29/2015 12:03	0.7	0.7
248	9/29/2015 12:04	0.7	0.7
249	9/29/2015 12:05	0.7	0.7
250	9/29/2015 12:06	0.7	0.7
251	9/29/2015 12:07	0.7	0.7
252	9/29/2015 12:08	0.7	0.7
253	9/29/2015 12:09	0.7	0.7
254	9/29/2015 12:10	0.7	0.7
255	9/29/2015 12:11	0.7	0.7
256	9/29/2015 12:12	0.7	0.7
257	9/29/2015 12:13	0.7	0.7
258	9/29/2015 12:14	0.7	0.7
259	9/29/2015 12:15	0.7	0.7
260	9/29/2015 12:16	0.7	0.7
261	9/29/2015 12:17	0.7	0.7
262	9/29/2015 12:18	0.7	0.7
263	9/29/2015 12:19	0.7	0.7
264	9/29/2015 12:20	0.7	0.7
265	9/29/2015 12:21	0.7	0.7
266	9/29/2015 12:22	0.7	0.7
267	9/29/2015 12:23	0.7	0.7
268	9/29/2015 12:24	0.6	0.7
269	9/29/2015 12:25	0.6	0.7
270	9/29/2015 12:26	0.6	0.7
271	9/29/2015 12:27	0.6	0.7
272	9/29/2015 12:28	0.6	0.7
273	9/29/2015 12:29	0.6	0.6
274	9/29/2015 12:30	0.6	0.6
275	9/29/2015 12:31	0.6	0.6
276	9/29/2015 12:32	0.6	0.6
277	9/29/2015 12:33	0.6	0.6
278	9/29/2015 12:34	0.6	0.6
279	9/29/2015 12:35	0.6	0.6
280	9/29/2015 12:36	0.6	0.6
281	9/29/2015 12:37	0.6	0.6
282	9/29/2015 12:38	0.6	0.6
283	9/29/2015 12:39	0.6	0.6
284	9/29/2015 12:40	0.6	0.6
285	9/29/2015 12:41	0.6	0.6
286	9/29/2015 12:42	0.6	0.6
287	9/29/2015 12:43	0.6	0.6
288	9/29/2015 12:44	0.6	0.6
289	9/29/2015 12:45	0.6	0.6
290	9/29/2015 12:46	0.5	0.6
291	9/29/2015 12:47	0.5	0.6
292	9/29/2015 12:48	0.5	0.6

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
243	9/29/2015 11:59	0.5	0.5
244	9/29/2015 12:00	0.5	0.5
245	9/29/2015 12:01	0.5	0.5
246	9/29/2015 12:02	0.5	0.5
247	9/29/2015 12:03	0.5	0.5
248	9/29/2015 12:04	0.6	0.5
249	9/29/2015 12:05	0.6	0.5
250	9/29/2015 12:06	0.6	0.5
251	9/29/2015 12:07	0.5	0.5
252	9/29/2015 12:08	0.6	0.5
253	9/29/2015 12:09	0.6	0.6
254	9/29/2015 12:10	0.6	0.6
255	9/29/2015 12:11	0.6	0.6
256	9/29/2015 12:12	0.6	0.6
257	9/29/2015 12:13	0.7	0.6
258	9/29/2015 12:14	0.6	0.6
259	9/29/2015 12:15	0.6	0.6
260	9/29/2015 12:16	0.6	0.6
261	9/29/2015 12:17	0.6	0.6
262	9/29/2015 12:18	0.7	0.6
263	9/29/2015 12:19	0.6	0.6
264	9/29/2015 12:20	0.7	0.6
265	9/29/2015 12:21	0.6	0.6
266	9/29/2015 12:22	0.6	0.6
267	9/29/2015 12:23	0.6	0.6
268	9/29/2015 12:24	0.6	0.6
269	9/29/2015 12:25	0.6	0.6
270	9/29/2015 12:26	0.6	0.6
271	9/29/2015 12:27	0.6	0.6
272	9/29/2015 12:28	0.8	0.6
273	9/29/2015 12:29	0.7	0.6
274	9/29/2015 12:30	0.6	0.6
275	9/29/2015 12:31	0.6	0.6
276	9/29/2015 12:32	0.7	0.6
277	9/29/2015 12:33	0.7	0.6
278	9/29/2015 12:34	0.6	0.6
279	9/29/2015 12:35	0.6	0.6
280	9/29/2015 12:36	0.7	0.6
281	9/29/2015 12:37	0.6	0.6
282	9/29/2015 12:38	0.6	0.6
283	9/29/2015 12:39	0.6	0.6
284	9/29/2015 12:40	0.6	0.6
285	9/29/2015 12:41	0.7	0.6
286	9/29/2015 12:42	0.6	0.6
287	9/29/2015 12:43	0.8	0.6
288	9/29/2015 12:44	0.6	0.6
289	9/29/2015 12:45	0.6	0.6
290	9/29/2015 12:46	0.6	0.6
291	9/29/2015 12:47	0.6	0.6
292	9/29/2015 12:48	0.6	0.6

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
293	9/29/2015 12:49	0.5	0.6
294	9/29/2015 12:50	0.5	0.6
295	9/29/2015 12:51	0.5	0.6
296	9/29/2015 12:52	0.5	0.5
297	9/29/2015 12:53	0.5	0.5
298	9/29/2015 12:54	0.5	0.5
299	9/29/2015 12:55	0.5	0.5
300	9/29/2015 12:56	0.5	0.5
301	9/29/2015 12:57	0.4	0.5
302	9/29/2015 12:58	0.5	0.5
303	9/29/2015 12:59	0.5	0.5
304	9/29/2015 13:00	0.5	0.5
305	9/29/2015 13:01	0.5	0.5
306	9/29/2015 13:02	0.5	0.5
307	9/29/2015 13:03	0.6	0.5
308	9/29/2015 13:04	0.5	0.5
309	9/29/2015 13:05	0.6	0.5
310	9/29/2015 13:06	0.5	0.5
311	9/29/2015 13:07	0.6	0.5
312	9/29/2015 13:08	0.6	0.5
313	9/29/2015 13:09	0.6	0.5
314	9/29/2015 13:10	0.6	0.5
315	9/29/2015 13:11	0.6	0.5
316	9/29/2015 13:12	0.6	0.5
317	9/29/2015 13:13	0.6	0.6
318	9/29/2015 13:14	0.6	0.6
319	9/29/2015 13:15	0.6	0.6
320	9/29/2015 13:16	0.6	0.6
321	9/29/2015 13:17	0.6	0.6
322	9/29/2015 13:18	0.6	0.6
323	9/29/2015 13:19	0.6	0.6
324	9/29/2015 13:20	0.6	0.6
325	9/29/2015 13:21	0.6	0.6
326	9/29/2015 13:22	0.5	0.6
327	9/29/2015 13:23	0.5	0.6
328	9/29/2015 13:24	0.5	0.6
329	9/29/2015 13:25	0.5	0.6
330	9/29/2015 13:26	0.5	0.6
331	9/29/2015 13:27	0.5	0.5
332	9/29/2015 13:28	0.5	0.5
333	9/29/2015 13:29	0.5	0.5
334	9/29/2015 13:30	0.5	0.5
335	9/29/2015 13:31	0.5	0.5
336	9/29/2015 13:32	0.4	0.5
337	9/29/2015 13:33	0.4	0.5
338	9/29/2015 13:34	0.4	0.5
339	9/29/2015 13:35	0.4	0.5
340	9/29/2015 13:36	0.4	0.5
341	9/29/2015 13:37	0.4	0.5
342	9/29/2015 13:38	0.4	0.5

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
293	9/29/2015 12:49	0.6	0.6
294	9/29/2015 12:50	0.6	0.6
295	9/29/2015 12:51	0.6	0.6
296	9/29/2015 12:52	0.6	0.6
297	9/29/2015 12:53	0.6	0.6
298	9/29/2015 12:54	0.6	0.6
299	9/29/2015 12:55	0.6	0.6
300	9/29/2015 12:56	0.6	0.6
301	9/29/2015 12:57	0.6	0.6
302	9/29/2015 12:58	0.6	0.6
303	9/29/2015 12:59	0.6	0.6
304	9/29/2015 13:00	0.6	0.6
305	9/29/2015 13:01	0.6	0.6
306	9/29/2015 13:02	0.6	0.6
307	9/29/2015 13:03	0.6	0.6
308	9/29/2015 13:04	0.6	0.6
309	9/29/2015 13:05	0.6	0.6
310	9/29/2015 13:06	0.6	0.6
311	9/29/2015 13:07	0.6	0.6
312	9/29/2015 13:08	0.6	0.6
313	9/29/2015 13:09	0.6	0.6
314	9/29/2015 13:10	0.6	0.6
315	9/29/2015 13:11	0.6	0.6
316	9/29/2015 13:12	0.6	0.6
317	9/29/2015 13:13	0.6	0.6
318	9/29/2015 13:14	0.7	0.6
319	9/29/2015 13:15	0.6	0.6
320	9/29/2015 13:16	0.6	0.6
321	9/29/2015 13:17	0.6	0.6
322	9/29/2015 13:18	0.7	0.6
323	9/29/2015 13:19	0.7	0.6
324	9/29/2015 13:20	0.7	0.6
325	9/29/2015 13:21	0.7	0.6
326	9/29/2015 13:22	0.7	0.6
327	9/29/2015 13:23	0.7	0.6
328	9/29/2015 13:24	0.6	0.6
329	9/29/2015 13:25	0.7	0.7
330	9/29/2015 13:26	0.7	0.7
331	9/29/2015 13:27	0.8	0.7
332	9/29/2015 13:28	0.7	0.7
333	9/29/2015 13:29	0.7	0.7
334	9/29/2015 13:30	0.7	0.7
335	9/29/2015 13:31	0.7	0.7
336	9/29/2015 13:32	0.7	0.7
337	9/29/2015 13:33	0.6	0.7
338	9/29/2015 13:34	0.7	0.7
339	9/29/2015 13:35	0.6	0.7
340	9/29/2015 13:36	0.7	0.7
341	9/29/2015 13:37	0.6	0.7
342	9/29/2015 13:38	0.6	0.7

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
343	9/29/2015 13:39	0.4	0.4
344	9/29/2015 13:40	0.4	0.4
345	9/29/2015 13:41	0.4	0.4
346	9/29/2015 13:42	0.4	0.4
347	9/29/2015 13:43	0.4	0.4
348	9/29/2015 13:44	0.4	0.4
349	9/29/2015 13:45	0.3	0.4
350	9/29/2015 13:46	0.3	0.4
351	9/29/2015 13:47	0.3	0.4
352	9/29/2015 13:48	0.3	0.4
353	9/29/2015 13:49	0.3	0.4
354	9/29/2015 13:50	0.3	0.4
355	9/29/2015 13:51	0.3	0.4
356	9/29/2015 13:52	0.3	0.3
357	9/29/2015 13:53	0.3	0.3
358	9/29/2015 13:54	0.3	0.3
359	9/29/2015 13:55	0.3	0.3
360	9/29/2015 13:56	0.3	0.3
361	9/29/2015 13:57	0.3	0.3
362	9/29/2015 13:58	0.3	0.3
363	9/29/2015 13:59	0.3	0.3
364	9/29/2015 14:00	0.3	0.3
365	9/29/2015 14:01	0.3	0.3
366	9/29/2015 14:02	0.3	0.3
367	9/29/2015 14:03	0.3	0.3
368	9/29/2015 14:04	0.3	0.3
369	9/29/2015 14:05	0.2	0.3
370	9/29/2015 14:06	0.3	0.3
371	9/29/2015 14:07	0.3	0.3
372	9/29/2015 14:08	0.3	0.3
373	9/29/2015 14:09	0.2	0.3
374	9/29/2015 14:10	0.3	0.3
375	9/29/2015 14:11	0.3	0.3
376	9/29/2015 14:12	0.3	0.3
377	9/29/2015 14:13	0.3	0.3
378	9/29/2015 14:14	0.2	0.3
379	9/29/2015 14:15	0.3	0.3
380	9/29/2015 14:16	0.3	0.3
381	9/29/2015 14:17	0.3	0.3
382	9/29/2015 14:18	0.3	0.3
383	9/29/2015 14:19	0.3	0.3
384	9/29/2015 14:20	0.2	0.3
385	9/29/2015 14:21	0.2	0.3
386	9/29/2015 14:22	0.2	0.3
387	9/29/2015 14:23	0.2	0.3
388	9/29/2015 14:24	0.2	0.3
389	9/29/2015 14:25	0.3	0.3
390	9/29/2015 14:26	0.2	0.2
391	9/29/2015 14:27	0.2	0.2
392	9/29/2015 14:28	0.2	0.2

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
343	9/29/2015 13:39	0.6	0.7
344	9/29/2015 13:40	0.6	0.7
345	9/29/2015 13:41	0.6	0.7
346	9/29/2015 13:42	0.6	0.7
347	9/29/2015 13:43	0.6	0.6
348	9/29/2015 13:44	0.6	0.6
349	9/29/2015 13:45	0.6	0.6
350	9/29/2015 13:46	0.7	0.6
351	9/29/2015 13:47	0.6	0.6
352	9/29/2015 13:48	0.6	0.6
353	9/29/2015 13:49	0.6	0.6
354	9/29/2015 13:50	0.6	0.6
355	9/29/2015 13:51	0.6	0.6
356	9/29/2015 13:52	0.6	0.6
357	9/29/2015 13:53	0.6	0.6
358	9/29/2015 13:54	0.6	0.6
359	9/29/2015 13:55	0.6	0.6
360	9/29/2015 13:56	0.6	0.6
361	9/29/2015 13:57	0.6	0.6
362	9/29/2015 13:58	0.6	0.6
363	9/29/2015 13:59	0.7	0.6
364	9/29/2015 14:00	0.6	0.6
365	9/29/2015 14:01	0.6	0.6
366	9/29/2015 14:02	0.6	0.6
367	9/29/2015 14:03	0.6	0.6
368	9/29/2015 14:04	0.7	0.6
369	9/29/2015 14:05	0.6	0.6
370	9/29/2015 14:06	0.6	0.6
371	9/29/2015 14:07	0.6	0.6
372	9/29/2015 14:08	0.6	0.6
373	9/29/2015 14:09	0.6	0.6
374	9/29/2015 14:10	0.6	0.6
375	9/29/2015 14:11	0.7	0.6
376	9/29/2015 14:12	0.6	0.6
377	9/29/2015 14:13	0.6	0.6
378	9/29/2015 14:14	0.6	0.6
379	9/29/2015 14:15	0.6	0.6
380	9/29/2015 14:16	0.6	0.6
381	9/29/2015 14:17	0.6	0.6
382	9/29/2015 14:18	0.6	0.6
383	9/29/2015 14:19	0.6	0.6
384	9/29/2015 14:20	0.6	0.6
385	9/29/2015 14:21	0.6	0.6
386	9/29/2015 14:22	0.6	0.6
387	9/29/2015 14:23	0.6	0.6
388	9/29/2015 14:24	0.6	0.6
389	9/29/2015 14:25	0.6	0.6
390	9/29/2015 14:26	0.6	0.6
391	9/29/2015 14:27	0.6	0.6
392	9/29/2015 14:28	0.6	0.6

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
393	9/29/2015 14:29	0.2	0.2
394	9/29/2015 14:30	0.2	0.2
395	9/29/2015 14:31	0.2	0.2
396	9/29/2015 14:32	0.2	0.2
397	9/29/2015 14:33	0.2	0.2
398	9/29/2015 14:34	0.2	0.2
399	9/29/2015 14:35	0.2	0.2
400	9/29/2015 14:36	0.2	0.2
401	9/29/2015 14:37	0.2	0.2
402	9/29/2015 14:38	0.2	0.2
403	9/29/2015 14:39	0.2	0.2
404	9/29/2015 14:40	0.2	0.2
405	9/29/2015 14:41	0.2	0.2
406	9/29/2015 14:42	0.2	0.2
407	9/29/2015 14:43	0.2	0.2
408	9/29/2015 14:44	0.2	0.2
409	9/29/2015 14:45	0.2	0.2
410	9/29/2015 14:46	0.2	0.2
411	9/29/2015 14:47	0.2	0.2
412	9/29/2015 14:48	0.2	0.2
413	9/29/2015 14:49	0.2	0.2
414	9/29/2015 14:50	0.2	0.2
415	9/29/2015 14:51	0.2	0.2
416	9/29/2015 14:52	0.2	0.2
417	9/29/2015 14:53	0.2	0.2
418	9/29/2015 14:54	0.2	0.2
419	9/29/2015 14:55	0.2	0.2
420	9/29/2015 14:56	0.2	0.2
421	9/29/2015 14:57	0.1	0.2
422	9/29/2015 14:58	0.1	0.2

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
393	9/29/2015 14:29	0.6	0.6
394	9/29/2015 14:30	0.6	0.6
395	9/29/2015 14:31	0.6	0.6
396	9/29/2015 14:32	0.6	0.6
397	9/29/2015 14:33	0.6	0.6
398	9/29/2015 14:34	0.6	0.6
399	9/29/2015 14:35	0.6	0.6
400	9/29/2015 14:36	0.6	0.6
401	9/29/2015 14:37	0.6	0.6
402	9/29/2015 14:38	0.6	0.6
403	9/29/2015 14:39	0.6	0.6
404	9/29/2015 14:40	0.6	0.6
405	9/29/2015 14:41	0.6	0.6
406	9/29/2015 14:42	0.6	0.6
407	9/29/2015 14:43	0.6	0.6
408	9/29/2015 14:44	0.6	0.6
409	9/29/2015 14:45	0.6	0.6
410	9/29/2015 14:46	0.6	0.6
411	9/29/2015 14:47	0.6	0.6
412	9/29/2015 14:48	0.6	0.6
413	9/29/2015 14:49	0.6	0.6
414	9/29/2015 14:50	0.6	0.6
415	9/29/2015 14:51	0.6	0.6
416	9/29/2015 14:52	0.5	0.6
417	9/29/2015 14:53	0.5	0.6
418	9/29/2015 14:54		0.6
419	9/29/2015 14:55		0.6
420	9/29/2015 14:56		0.6
421	9/29/2015 14:57		0.6
422	9/29/2015 14:58		0.6

Upwind PM-10 Data Summary		
Maximum	0.027	mg/m^3
Minimum	0.013	mg/m^3
Average	0.016	mg/m^3
Maximum 15-Minute Average	0.021	mg/m^3

Downwind PM-10 Data Summary		
Maximum	0.604	mg/m^3
Minimum	0.011	mg/m^3
Average	0.061	mg/m^3
Maximum 15-Minute Average	0.114	mg/m^3

Tuesday, September 29, 2015
HRPC - IRM - AOC-1
Upwind DustTrak

Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
1	9/29/2015 7:57		
2	9/29/2015 7:58		
3	9/29/2015 7:59		
4	9/29/2015 8:00		
5	9/29/2015 8:01		
6	9/29/2015 8:02		
7	9/29/2015 8:03		
8	9/29/2015 8:04		
9	9/29/2015 8:05		
10	9/29/2015 8:06		
11	9/29/2015 8:07		
12	9/29/2015 8:08	0.017	
13	9/29/2015 8:09	0.018	
14	9/29/2015 8:10	0.020	
15	9/29/2015 8:11	0.022	0.019
16	9/29/2015 8:12	0.022	0.020
17	9/29/2015 8:13	0.021	0.020
18	9/29/2015 8:14	0.021	0.020
19	9/29/2015 8:15	0.020	0.020
20	9/29/2015 8:16	0.021	0.020
21	9/29/2015 8:17	0.021	0.020
22	9/29/2015 8:18	0.022	0.020
23	9/29/2015 8:19	0.020	0.020
24	9/29/2015 8:20	0.020	0.020
25	9/29/2015 8:21	0.021	0.020
26	9/29/2015 8:22	0.021	0.020
27	9/29/2015 8:23	0.022	0.021
28	9/29/2015 8:24	0.022	0.021
29	9/29/2015 8:25	0.022	0.021
30	9/29/2015 8:26	0.021	0.021
31	9/29/2015 8:27	0.021	0.021
32	9/29/2015 8:28	0.023	0.021
33	9/29/2015 8:29	0.022	0.021
34	9/29/2015 8:30	0.023	0.021
35	9/29/2015 8:31	0.021	0.021
36	9/29/2015 8:32	0.019	0.021
37	9/29/2015 8:33	0.018	0.021
38	9/29/2015 8:34	0.017	0.021
39	9/29/2015 8:35	0.016	0.021
40	9/29/2015 8:36	0.016	0.020
41	9/29/2015 8:37	0.016	0.020

Tuesday, September 29, 2015
HRPC - IRM - AOC-1
Downwind DustTrak

Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
1	9/29/2015 7:57	0.031	
2	9/29/2015 7:58	0.021	
3	9/29/2015 7:59	0.019	
4	9/29/2015 8:00	0.022	
5	9/29/2015 8:01	0.024	
6	9/29/2015 8:02	0.016	
7	9/29/2015 8:03	0.017	
8	9/29/2015 8:04	0.020	
9	9/29/2015 8:05	0.024	
10	9/29/2015 8:06	0.028	
11	9/29/2015 8:07	0.204	
12	9/29/2015 8:08	0.110	
13	9/29/2015 8:09	0.099	
14	9/29/2015 8:10	0.040	
15	9/29/2015 8:11	0.032	0.047
16	9/29/2015 8:12	0.020	0.046
17	9/29/2015 8:13	0.241	0.061
18	9/29/2015 8:14	0.258	0.077
19	9/29/2015 8:15	0.122	0.084
20	9/29/2015 8:16	0.030	0.084
21	9/29/2015 8:17	0.021	0.084
22	9/29/2015 8:18	0.023	0.085
23	9/29/2015 8:19	0.019	0.085
24	9/29/2015 8:20	0.019	0.084
25	9/29/2015 8:21	0.019	0.084
26	9/29/2015 8:22	0.019	0.071
27	9/29/2015 8:23	0.035	0.066
28	9/29/2015 8:24	0.024	0.061
29	9/29/2015 8:25	0.042	0.062
30	9/29/2015 8:26	0.033	0.062
31	9/29/2015 8:27	0.022	0.062
32	9/29/2015 8:28	0.019	0.047
33	9/29/2015 8:29	0.020	0.031
34	9/29/2015 8:30	0.020	0.024
35	9/29/2015 8:31	0.019	0.024
36	9/29/2015 8:32	0.019	0.023
37	9/29/2015 8:33	0.018	0.023
38	9/29/2015 8:34	0.019	0.023
39	9/29/2015 8:35	0.017	0.023
40	9/29/2015 8:36	0.015	0.023
41	9/29/2015 8:37	0.018	0.023

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
42	9/29/2015 8:38	0.016	0.020
43	9/29/2015 8:39	0.015	0.019
44	9/29/2015 8:40	0.015	0.019
45	9/29/2015 8:41	0.016	0.018
46	9/29/2015 8:42	0.019	0.018
47	9/29/2015 8:43	0.018	0.018
48	9/29/2015 8:44	0.020	0.018
49	9/29/2015 8:45	0.021	0.018
50	9/29/2015 8:46	0.019	0.017
51	9/29/2015 8:47	0.018	0.017
52	9/29/2015 8:48	0.020	0.017
53	9/29/2015 8:49	0.020	0.018
54	9/29/2015 8:50	0.020	0.018
55	9/29/2015 8:51	0.021	0.018
56	9/29/2015 8:52	0.022	0.019
57	9/29/2015 8:53	0.021	0.019
58	9/29/2015 8:54	0.021	0.019
59	9/29/2015 8:55	0.021	0.020
60	9/29/2015 8:56	0.020	0.020
61	9/29/2015 8:57	0.018	0.020
62	9/29/2015 8:58	0.020	0.020
63	9/29/2015 8:59	0.021	0.020
64	9/29/2015 9:00	0.022	0.020
65	9/29/2015 9:01	0.021	0.020
66	9/29/2015 9:02	0.021	0.021
67	9/29/2015 9:03	0.021	0.021
68	9/29/2015 9:04	0.020	0.021
69	9/29/2015 9:05	0.019	0.021
70	9/29/2015 9:06	0.022	0.021
71	9/29/2015 9:07	0.021	0.021
72	9/29/2015 9:08	0.021	0.021
73	9/29/2015 9:09	0.021	0.021
74	9/29/2015 9:10	0.020	0.021
75	9/29/2015 9:11	0.019	0.020
76	9/29/2015 9:12	0.019	0.021
77	9/29/2015 9:13	0.019	0.020
78	9/29/2015 9:14	0.019	0.020
79	9/29/2015 9:15	0.019	0.020
80	9/29/2015 9:16	0.018	0.020
81	9/29/2015 9:17	0.017	0.020
82	9/29/2015 9:18	0.018	0.019
83	9/29/2015 9:19	0.017	0.019
84	9/29/2015 9:20	0.017	0.019
85	9/29/2015 9:21	0.018	0.019
86	9/29/2015 9:22	0.019	0.019
87	9/29/2015 9:23	0.025	0.019
88	9/29/2015 9:24	0.027	0.019
89	9/29/2015 9:25	0.026	0.020
90	9/29/2015 9:26	0.019	0.020
91	9/29/2015 9:27	0.018	0.020

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
42	9/29/2015 8:38	0.016	0.021
43	9/29/2015 8:39	0.028	0.022
44	9/29/2015 8:40	0.019	0.020
45	9/29/2015 8:41	0.017	0.019
46	9/29/2015 8:42	0.026	0.019
47	9/29/2015 8:43	0.032	0.020
48	9/29/2015 8:44	0.028	0.021
49	9/29/2015 8:45	0.052	0.023
50	9/29/2015 8:46	0.054	0.025
51	9/29/2015 8:47	0.040	0.027
52	9/29/2015 8:48	0.066	0.030
53	9/29/2015 8:49	0.034	0.031
54	9/29/2015 8:50	0.034	0.032
55	9/29/2015 8:51	0.035	0.033
56	9/29/2015 8:52	0.030	0.034
57	9/29/2015 8:53	0.061	0.037
58	9/29/2015 8:54	0.053	0.039
59	9/29/2015 8:55	0.041	0.040
60	9/29/2015 8:56	0.022	0.041
61	9/29/2015 8:57	0.133	0.048
62	9/29/2015 8:58	0.058	0.049
63	9/29/2015 8:59	0.295	0.067
64	9/29/2015 9:00	0.113	0.071
65	9/29/2015 9:01	0.083	0.073
66	9/29/2015 9:02	0.052	0.074
67	9/29/2015 9:03	0.030	0.072
68	9/29/2015 9:04	0.020	0.071
69	9/29/2015 9:05	0.018	0.070
70	9/29/2015 9:06	0.176	0.079
71	9/29/2015 9:07	0.094	0.083
72	9/29/2015 9:08	0.127	0.088
73	9/29/2015 9:09	0.135	0.093
74	9/29/2015 9:10	0.044	0.093
75	9/29/2015 9:11	0.054	0.095
76	9/29/2015 9:12	0.074	0.092
77	9/29/2015 9:13	0.030	0.090
78	9/29/2015 9:14	0.027	0.072
79	9/29/2015 9:15	0.023	0.066
80	9/29/2015 9:16	0.022	0.062
81	9/29/2015 9:17	0.018	0.059
82	9/29/2015 9:18	0.028	0.059
83	9/29/2015 9:19	0.093	0.064
84	9/29/2015 9:20	0.043	0.066
85	9/29/2015 9:21	0.031	0.056
86	9/29/2015 9:22	0.026	0.052
87	9/29/2015 9:23	0.041	0.046
88	9/29/2015 9:24	0.082	0.042
89	9/29/2015 9:25	0.054	0.043
90	9/29/2015 9:26	0.087	0.045
91	9/29/2015 9:27	0.439	0.070

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
92	9/29/2015 9:28	0.024	0.020
93	9/29/2015 9:29	0.023	0.020
94	9/29/2015 9:30	0.020	0.020
95	9/29/2015 9:31	0.018	0.020
96	9/29/2015 9:32	0.017	0.020
97	9/29/2015 9:33	0.017	0.020
98	9/29/2015 9:34	0.018	0.020
99	9/29/2015 9:35	0.017	0.020
100	9/29/2015 9:36	0.017	0.020
101	9/29/2015 9:37	0.017	0.020
102	9/29/2015 9:38	0.018	0.020
103	9/29/2015 9:39	0.018	0.019
104	9/29/2015 9:40	0.017	0.019
105	9/29/2015 9:41	0.017	0.018
106	9/29/2015 9:42	0.017	0.018
107	9/29/2015 9:43	0.017	0.018
108	9/29/2015 9:44	0.017	0.017
109	9/29/2015 9:45	0.017	0.017
110	9/29/2015 9:46	0.016	0.017
111	9/29/2015 9:47	0.016	0.017
112	9/29/2015 9:48	0.017	0.017
113	9/29/2015 9:49	0.017	0.017
114	9/29/2015 9:50	0.016	0.017
115	9/29/2015 9:51	0.016	0.017
116	9/29/2015 9:52	0.015	0.017
117	9/29/2015 9:53	0.015	0.017
118	9/29/2015 9:54	0.015	0.016
119	9/29/2015 9:55	0.015	0.016
120	9/29/2015 9:56	0.015	0.016
121	9/29/2015 9:57	0.015	0.016
122	9/29/2015 9:58	0.015	0.016
123	9/29/2015 9:59	0.015	0.016
124	9/29/2015 10:00	0.015	0.016
125	9/29/2015 10:01	0.016	0.016
126	9/29/2015 10:02	0.015	0.015
127	9/29/2015 10:03	0.015	0.015
128	9/29/2015 10:04	0.015	0.015
129	9/29/2015 10:05	0.016	0.015
130	9/29/2015 10:06	0.015	0.015
131	9/29/2015 10:07	0.015	0.015
132	9/29/2015 10:08	0.015	0.015
133	9/29/2015 10:09	0.015	0.015
134	9/29/2015 10:10	0.015	0.015
135	9/29/2015 10:11	0.014	0.015
136	9/29/2015 10:12	0.014	0.015
137	9/29/2015 10:13	0.015	0.015
138	9/29/2015 10:14	0.015	0.015
139	9/29/2015 10:15	0.016	0.015
140	9/29/2015 10:16	0.016	0.015
141	9/29/2015 10:17	0.017	0.015

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
92	9/29/2015 9:28	0.104	0.075
93	9/29/2015 9:29	0.039	0.075
94	9/29/2015 9:30	0.035	0.076
95	9/29/2015 9:31	0.038	0.077
96	9/29/2015 9:32	0.024	0.078
97	9/29/2015 9:33	0.017	0.077
98	9/29/2015 9:34	0.021	0.072
99	9/29/2015 9:35	0.021	0.071
100	9/29/2015 9:36	0.019	0.070
101	9/29/2015 9:37	0.016	0.069
102	9/29/2015 9:38	0.349	0.090
103	9/29/2015 9:39	0.039	0.087
104	9/29/2015 9:40	0.068	0.088
105	9/29/2015 9:41	0.079	0.087
106	9/29/2015 9:42	0.033	0.060
107	9/29/2015 9:43	0.019	0.054
108	9/29/2015 9:44	0.036	0.054
109	9/29/2015 9:45	0.019	0.053
110	9/29/2015 9:46	0.019	0.052
111	9/29/2015 9:47	0.019	0.052
112	9/29/2015 9:48	0.018	0.052
113	9/29/2015 9:49	0.023	0.052
114	9/29/2015 9:50	0.066	0.055
115	9/29/2015 9:51	0.021	0.055
116	9/29/2015 9:52	0.031	0.056
117	9/29/2015 9:53	0.056	0.036
118	9/29/2015 9:54	0.017	0.035
119	9/29/2015 9:55	0.015	0.031
120	9/29/2015 9:56	0.013	0.027
121	9/29/2015 9:57	0.046	0.028
122	9/29/2015 9:58	0.055	0.030
123	9/29/2015 9:59	0.060	0.032
124	9/29/2015 10:00	0.016	0.032
125	9/29/2015 10:01	0.039	0.033
126	9/29/2015 10:02	0.091	0.038
127	9/29/2015 10:03	0.092	0.043
128	9/29/2015 10:04	0.045	0.044
129	9/29/2015 10:05	0.601	0.080
130	9/29/2015 10:06	0.025	0.080
131	9/29/2015 10:07	0.018	0.079
132	9/29/2015 10:08	0.017	0.077
133	9/29/2015 10:09	0.019	0.077
134	9/29/2015 10:10	0.031	0.078
135	9/29/2015 10:11	0.078	0.082
136	9/29/2015 10:12	0.040	0.082
137	9/29/2015 10:13	0.050	0.081
138	9/29/2015 10:14	0.028	0.079
139	9/29/2015 10:15	0.017	0.079
140	9/29/2015 10:16	0.019	0.078
141	9/29/2015 10:17	0.015	0.073

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
142	9/29/2015 10:18	0.017	0.015
143	9/29/2015 10:19	0.017	0.015
144	9/29/2015 10:20	0.017	0.016
145	9/29/2015 10:21	0.019	0.016
146	9/29/2015 10:22	0.016	0.016
147	9/29/2015 10:23	0.017	0.016
148	9/29/2015 10:24	0.017	0.016
149	9/29/2015 10:25	0.017	0.016
150	9/29/2015 10:26	0.016	0.016
151	9/29/2015 10:27	0.016	0.017
152	9/29/2015 10:28	0.016	0.017
153	9/29/2015 10:29	0.017	0.017
154	9/29/2015 10:30	0.017	0.017
155	9/29/2015 10:31	0.017	0.017
156	9/29/2015 10:32	0.017	0.017
157	9/29/2015 10:33	0.017	0.017
158	9/29/2015 10:34	0.017	0.017
159	9/29/2015 10:35	0.018	0.017
160	9/29/2015 10:36	0.017	0.017
161	9/29/2015 10:37	0.018	0.017
162	9/29/2015 10:38	0.017	0.017
163	9/29/2015 10:39	0.018	0.017
164	9/29/2015 10:40	0.018	0.017
165	9/29/2015 10:41	0.018	0.017
166	9/29/2015 10:42	0.017	0.017
167	9/29/2015 10:43	0.017	0.017
168	9/29/2015 10:44	0.017	0.017
169	9/29/2015 10:45	0.017	0.017
170	9/29/2015 10:46	0.018	0.017
171	9/29/2015 10:47	0.018	0.017
172	9/29/2015 10:48	0.018	0.018
173	9/29/2015 10:49	0.018	0.018
174	9/29/2015 10:50	0.019	0.018
175	9/29/2015 10:51	0.018	0.018
176	9/29/2015 10:52	0.018	0.018
177	9/29/2015 10:53	0.017	0.018
178	9/29/2015 10:54	0.017	0.018
179	9/29/2015 10:55	0.017	0.018
180	9/29/2015 10:56	0.017	0.018
181	9/29/2015 10:57	0.017	0.018
182	9/29/2015 10:58	0.016	0.017
183	9/29/2015 10:59	0.016	0.017
184	9/29/2015 11:00	0.017	0.017
185	9/29/2015 11:01	0.017	0.017
186	9/29/2015 11:02	0.016	0.017
187	9/29/2015 11:03	0.019	0.017
188	9/29/2015 11:04	0.016	0.017
189	9/29/2015 11:05	0.016	0.017
190	9/29/2015 11:06	0.016	0.017
191	9/29/2015 11:07	0.016	0.017

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
142	9/29/2015 10:18	0.025	0.069
143	9/29/2015 10:19	0.092	0.072
144	9/29/2015 10:20	0.059	0.036
145	9/29/2015 10:21	0.049	0.037
146	9/29/2015 10:22	0.044	0.039
147	9/29/2015 10:23	0.036	0.040
148	9/29/2015 10:24	0.042	0.042
149	9/29/2015 10:25	0.044	0.043
150	9/29/2015 10:26	0.075	0.042
151	9/29/2015 10:27	0.025	0.041
152	9/29/2015 10:28	0.019	0.039
153	9/29/2015 10:29	0.026	0.039
154	9/29/2015 10:30	0.019	0.039
155	9/29/2015 10:31	0.024	0.040
156	9/29/2015 10:32	0.036	0.041
157	9/29/2015 10:33	0.604	0.080
158	9/29/2015 10:34	0.019	0.075
159	9/29/2015 10:35	0.035	0.073
160	9/29/2015 10:36	0.018	0.071
161	9/29/2015 10:37	0.019	0.069
162	9/29/2015 10:38	0.032	0.069
163	9/29/2015 10:39	0.037	0.069
164	9/29/2015 10:40	0.033	0.068
165	9/29/2015 10:41	0.086	0.069
166	9/29/2015 10:42	0.033	0.069
167	9/29/2015 10:43	0.042	0.071
168	9/29/2015 10:44	0.407	0.096
169	9/29/2015 10:45	0.031	0.097
170	9/29/2015 10:46	0.040	0.098
171	9/29/2015 10:47	0.023	0.097
172	9/29/2015 10:48	0.068	0.062
173	9/29/2015 10:49	0.046	0.063
174	9/29/2015 10:50	0.028	0.063
175	9/29/2015 10:51	0.071	0.066
176	9/29/2015 10:52	0.061	0.069
177	9/29/2015 10:53	0.082	0.073
178	9/29/2015 10:54	0.042	0.073
179	9/29/2015 10:55	0.055	0.074
180	9/29/2015 10:56	0.051	0.072
181	9/29/2015 10:57	0.023	0.071
182	9/29/2015 10:58	0.040	0.071
183	9/29/2015 10:59	0.129	0.053
184	9/29/2015 11:00	0.091	0.057
185	9/29/2015 11:01	0.038	0.057
186	9/29/2015 11:02	0.097	0.061
187	9/29/2015 11:03	0.081	0.062
188	9/29/2015 11:04	0.024	0.061
189	9/29/2015 11:05	0.020	0.060
190	9/29/2015 11:06	0.016	0.057
191	9/29/2015 11:07	0.017	0.054

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
192	9/29/2015 11:08	0.016	0.017
193	9/29/2015 11:09	0.016	0.017
194	9/29/2015 11:10	0.016	0.016
195	9/29/2015 11:11	0.016	0.016
196	9/29/2015 11:12	0.016	0.016
197	9/29/2015 11:13	0.016	0.016
198	9/29/2015 11:14	0.016	0.016
199	9/29/2015 11:15	0.016	0.016
200	9/29/2015 11:16	0.016	0.016
201	9/29/2015 11:17	0.016	0.016
202	9/29/2015 11:18	0.016	0.016
203	9/29/2015 11:19	0.015	0.016
204	9/29/2015 11:20	0.015	0.016
205	9/29/2015 11:21	0.016	0.016
206	9/29/2015 11:22	0.015	0.016
207	9/29/2015 11:23	0.015	0.016
208	9/29/2015 11:24	0.015	0.016
209	9/29/2015 11:25	0.015	0.016
210	9/29/2015 11:26	0.015	0.016
211	9/29/2015 11:27	0.015	0.015
212	9/29/2015 11:28	0.015	0.015
213	9/29/2015 11:29	0.015	0.015
214	9/29/2015 11:30	0.015	0.015
215	9/29/2015 11:31	0.015	0.015
216	9/29/2015 11:32	0.016	0.015
217	9/29/2015 11:33	0.015	0.015
218	9/29/2015 11:34	0.015	0.015
219	9/29/2015 11:35	0.015	0.015
220	9/29/2015 11:36	0.015	0.015
221	9/29/2015 11:37	0.015	0.015
222	9/29/2015 11:38	0.015	0.015
223	9/29/2015 11:39	0.015	0.015
224	9/29/2015 11:40	0.016	0.015
225	9/29/2015 11:41	0.016	0.015
226	9/29/2015 11:42	0.015	0.015
227	9/29/2015 11:43	0.015	0.015
228	9/29/2015 11:44	0.015	0.015
229	9/29/2015 11:45	0.015	0.015
230	9/29/2015 11:46	0.015	0.015
231	9/29/2015 11:47	0.015	0.015
232	9/29/2015 11:48	0.015	0.015
233	9/29/2015 11:49	0.015	0.015
234	9/29/2015 11:50	0.015	0.015
235	9/29/2015 11:51	0.015	0.015
236	9/29/2015 11:52	0.015	0.015
237	9/29/2015 11:53	0.015	0.015
238	9/29/2015 11:54	0.015	0.015
239	9/29/2015 11:55	0.015	0.015
240	9/29/2015 11:56	0.015	0.015
241	9/29/2015 11:57	0.016	0.015

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
192	9/29/2015 11:08	0.038	0.051
193	9/29/2015 11:09	0.048	0.051
194	9/29/2015 11:10	0.057	0.051
195	9/29/2015 11:11	0.055	0.052
196	9/29/2015 11:12	0.034	0.052
197	9/29/2015 11:13	0.021	0.051
198	9/29/2015 11:14	0.031	0.045
199	9/29/2015 11:15	0.057	0.042
200	9/29/2015 11:16	0.024	0.041
201	9/29/2015 11:17	0.019	0.036
202	9/29/2015 11:18	0.042	0.034
203	9/29/2015 11:19	0.013	0.033
204	9/29/2015 11:20	0.015	0.032
205	9/29/2015 11:21	0.015	0.032
206	9/29/2015 11:22	0.014	0.032
207	9/29/2015 11:23	0.014	0.031
208	9/29/2015 11:24	0.026	0.029
209	9/29/2015 11:25	0.039	0.028
210	9/29/2015 11:26	0.102	0.031
211	9/29/2015 11:27	0.055	0.032
212	9/29/2015 11:28	0.107	0.038
213	9/29/2015 11:29	0.179	0.048
214	9/29/2015 11:30	0.019	0.046
215	9/29/2015 11:31	0.013	0.045
216	9/29/2015 11:32	0.014	0.044
217	9/29/2015 11:33	0.013	0.043
218	9/29/2015 11:34	0.014	0.043
219	9/29/2015 11:35	0.014	0.043
220	9/29/2015 11:36	0.013	0.042
221	9/29/2015 11:37	0.014	0.042
222	9/29/2015 11:38	0.013	0.042
223	9/29/2015 11:39	0.013	0.041
224	9/29/2015 11:40	0.014	0.040
225	9/29/2015 11:41	0.014	0.034
226	9/29/2015 11:42	0.014	0.031
227	9/29/2015 11:43	0.013	0.025
228	9/29/2015 11:44	0.014	0.014
229	9/29/2015 11:45	0.014	0.014
230	9/29/2015 11:46	0.015	0.014
231	9/29/2015 11:47	0.014	0.014
232	9/29/2015 11:48	0.014	0.014
233	9/29/2015 11:49	0.013	0.014
234	9/29/2015 11:50	0.013	0.014
235	9/29/2015 11:51	0.014	0.014
236	9/29/2015 11:52	0.014	0.014
237	9/29/2015 11:53	0.013	0.014
238	9/29/2015 11:54	0.013	0.014
239	9/29/2015 11:55	0.013	0.014
240	9/29/2015 11:56	0.040	0.015
241	9/29/2015 11:57	0.074	0.019

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
242	9/29/2015 11:58	0.016	0.015
243	9/29/2015 11:59	0.016	0.015
244	9/29/2015 12:00	0.015	0.015
245	9/29/2015 12:01	0.015	0.015
246	9/29/2015 12:02	0.016	0.015
247	9/29/2015 12:03	0.015	0.015
248	9/29/2015 12:04	0.015	0.015
249	9/29/2015 12:05	0.015	0.015
250	9/29/2015 12:06	0.015	0.015
251	9/29/2015 12:07	0.015	0.015
252	9/29/2015 12:08	0.016	0.015
253	9/29/2015 12:09	0.015	0.015
254	9/29/2015 12:10	0.015	0.015
255	9/29/2015 12:11	0.015	0.015
256	9/29/2015 12:12	0.015	0.015
257	9/29/2015 12:13	0.015	0.015
258	9/29/2015 12:14	0.015	0.015
259	9/29/2015 12:15	0.015	0.015
260	9/29/2015 12:16	0.015	0.015
261	9/29/2015 12:17	0.015	0.015
262	9/29/2015 12:18	0.015	0.015
263	9/29/2015 12:19	0.015	0.015
264	9/29/2015 12:20	0.015	0.015
265	9/29/2015 12:21	0.014	0.015
266	9/29/2015 12:22	0.014	0.015
267	9/29/2015 12:23	0.014	0.015
268	9/29/2015 12:24	0.014	0.015
269	9/29/2015 12:25	0.013	0.015
270	9/29/2015 12:26	0.022	0.015
271	9/29/2015 12:27	0.020	0.015
272	9/29/2015 12:28	0.016	0.015
273	9/29/2015 12:29	0.014	0.015
274	9/29/2015 12:30	0.014	0.015
275	9/29/2015 12:31	0.014	0.015
276	9/29/2015 12:32	0.014	0.015
277	9/29/2015 12:33	0.014	0.015
278	9/29/2015 12:34	0.015	0.015
279	9/29/2015 12:35	0.015	0.015
280	9/29/2015 12:36	0.014	0.015
281	9/29/2015 12:37	0.014	0.015
282	9/29/2015 12:38	0.014	0.015
283	9/29/2015 12:39	0.014	0.015
284	9/29/2015 12:40	0.014	0.015
285	9/29/2015 12:41	0.014	0.015
286	9/29/2015 12:42	0.014	0.014
287	9/29/2015 12:43	0.014	0.014
288	9/29/2015 12:44	0.015	0.014
289	9/29/2015 12:45	0.015	0.014
290	9/29/2015 12:46	0.015	0.014
291	9/29/2015 12:47	0.014	0.014

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
242	9/29/2015 11:58	0.463	0.049
243	9/29/2015 11:59	0.135	0.057
244	9/29/2015 12:00	0.062	0.061
245	9/29/2015 12:01	0.019	0.061
246	9/29/2015 12:02	0.045	0.063
247	9/29/2015 12:03	0.061	0.066
248	9/29/2015 12:04	0.037	0.068
249	9/29/2015 12:05	0.049	0.070
250	9/29/2015 12:06	0.071	0.074
251	9/29/2015 12:07	0.019	0.074
252	9/29/2015 12:08	0.265	0.091
253	9/29/2015 12:09	0.020	0.092
254	9/29/2015 12:10	0.068	0.095
255	9/29/2015 12:11	0.055	0.096
256	9/29/2015 12:12	0.113	0.099
257	9/29/2015 12:13	0.112	0.075
258	9/29/2015 12:14	0.309	0.087
259	9/29/2015 12:15	0.025	0.085
260	9/29/2015 12:16	0.062	0.087
261	9/29/2015 12:17	0.021	0.086
262	9/29/2015 12:18	0.028	0.084
263	9/29/2015 12:19	0.036	0.084
264	9/29/2015 12:20	0.044	0.083
265	9/29/2015 12:21	0.185	0.091
266	9/29/2015 12:22	0.067	0.094
267	9/29/2015 12:23	0.063	0.081
268	9/29/2015 12:24	0.049	0.082
269	9/29/2015 12:25	0.079	0.083
270	9/29/2015 12:26	0.070	0.084
271	9/29/2015 12:27	0.051	0.080
272	9/29/2015 12:28	0.041	0.075
273	9/29/2015 12:29	0.074	0.060
274	9/29/2015 12:30	0.070	0.063
275	9/29/2015 12:31	0.056	0.062
276	9/29/2015 12:32	0.050	0.064
277	9/29/2015 12:33	0.026	0.064
278	9/29/2015 12:34	0.067	0.066
279	9/29/2015 12:35	0.016	0.064
280	9/29/2015 12:36	0.020	0.053
281	9/29/2015 12:37	0.232	0.064
282	9/29/2015 12:38	0.048	0.063
283	9/29/2015 12:39	0.096	0.066
284	9/29/2015 12:40	0.066	0.066
285	9/29/2015 12:41	0.063	0.065
286	9/29/2015 12:42	0.072	0.066
287	9/29/2015 12:43	0.043	0.067
288	9/29/2015 12:44	0.566	0.099
289	9/29/2015 12:45	0.222	0.110
290	9/29/2015 12:46	0.055	0.109
291	9/29/2015 12:47	0.023	0.108

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
292	9/29/2015 12:48	0.015	0.014
293	9/29/2015 12:49	0.015	0.014
294	9/29/2015 12:50	0.016	0.014
295	9/29/2015 12:51	0.015	0.015
296	9/29/2015 12:52	0.015	0.015
297	9/29/2015 12:53	0.015	0.015
298	9/29/2015 12:54	0.015	0.015
299	9/29/2015 12:55	0.015	0.015
300	9/29/2015 12:56	0.015	0.015
301	9/29/2015 12:57	0.015	0.015
302	9/29/2015 12:58	0.015	0.015
303	9/29/2015 12:59	0.015	0.015
304	9/29/2015 13:00	0.014	0.015
305	9/29/2015 13:01	0.014	0.015
306	9/29/2015 13:02	0.014	0.015
307	9/29/2015 13:03	0.014	0.015
308	9/29/2015 13:04	0.014	0.015
309	9/29/2015 13:05	0.014	0.015
310	9/29/2015 13:06	0.014	0.015
311	9/29/2015 13:07	0.014	0.014
312	9/29/2015 13:08	0.014	0.014
313	9/29/2015 13:09	0.014	0.014
314	9/29/2015 13:10	0.013	0.014
315	9/29/2015 13:11	0.014	0.014
316	9/29/2015 13:12	0.013	0.014
317	9/29/2015 13:13	0.013	0.014
318	9/29/2015 13:14	0.014	0.014
319	9/29/2015 13:15	0.013	0.014
320	9/29/2015 13:16	0.014	0.014
321	9/29/2015 13:17	0.014	0.014
322	9/29/2015 13:18	0.014	0.014
323	9/29/2015 13:19	0.013	0.014
324	9/29/2015 13:20	0.013	0.014
325	9/29/2015 13:21	0.013	0.014
326	9/29/2015 13:22	0.014	0.014
327	9/29/2015 13:23	0.013	0.013
328	9/29/2015 13:24	0.013	0.013
329	9/29/2015 13:25	0.014	0.013
330	9/29/2015 13:26	0.013	0.013
331	9/29/2015 13:27	0.014	0.013
332	9/29/2015 13:28	0.014	0.014
333	9/29/2015 13:29	0.015	0.014
334	9/29/2015 13:30	0.017	0.014
335	9/29/2015 13:31	0.014	0.014
336	9/29/2015 13:32	0.014	0.014
337	9/29/2015 13:33	0.014	0.014
338	9/29/2015 13:34	0.014	0.014
339	9/29/2015 13:35	0.014	0.014
340	9/29/2015 13:36	0.014	0.014
341	9/29/2015 13:37	0.014	0.014

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
292	9/29/2015 12:48	0.025	0.108
293	9/29/2015 12:49	0.016	0.104
294	9/29/2015 12:50	0.013	0.104
295	9/29/2015 12:51	0.014	0.104
296	9/29/2015 12:52	0.021	0.090
297	9/29/2015 12:53	0.026	0.088
298	9/29/2015 12:54	0.019	0.083
299	9/29/2015 12:55	0.105	0.086
300	9/29/2015 12:56	0.483	0.114
301	9/29/2015 12:57	0.065	0.113
302	9/29/2015 12:58	0.061	0.114
303	9/29/2015 12:59	0.035	0.079
304	9/29/2015 13:00	0.117	0.072
305	9/29/2015 13:01	0.030	0.070
306	9/29/2015 13:02	0.016	0.070
307	9/29/2015 13:03	0.027	0.070
308	9/29/2015 13:04	0.012	0.070
309	9/29/2015 13:05	0.031	0.071
310	9/29/2015 13:06	0.246	0.086
311	9/29/2015 13:07	0.294	0.104
312	9/29/2015 13:08	0.070	0.107
313	9/29/2015 13:09	0.068	0.111
314	9/29/2015 13:10	0.078	0.109
315	9/29/2015 13:11	0.073	0.082
316	9/29/2015 13:12	0.081	0.083
317	9/29/2015 13:13	0.037	0.081
318	9/29/2015 13:14	0.038	0.081
319	9/29/2015 13:15	0.078	0.079
320	9/29/2015 13:16	0.017	0.078
321	9/29/2015 13:17	0.065	0.081
322	9/29/2015 13:18	0.057	0.083
323	9/29/2015 13:19	0.037	0.085
324	9/29/2015 13:20	0.030	0.085
325	9/29/2015 13:21	0.040	0.071
326	9/29/2015 13:22	0.049	0.055
327	9/29/2015 13:23	0.121	0.058
328	9/29/2015 13:24	0.071	0.058
329	9/29/2015 13:25	0.030	0.055
330	9/29/2015 13:26	0.037	0.053
331	9/29/2015 13:27	0.048	0.050
332	9/29/2015 13:28	0.088	0.054
333	9/29/2015 13:29	0.080	0.057
334	9/29/2015 13:30	0.081	0.057
335	9/29/2015 13:31	0.086	0.061
336	9/29/2015 13:32	0.065	0.061
337	9/29/2015 13:33	0.056	0.061
338	9/29/2015 13:34	0.035	0.061
339	9/29/2015 13:35	0.046	0.062
340	9/29/2015 13:36	0.075	0.065
341	9/29/2015 13:37	0.131	0.070

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
342	9/29/2015 13:38	0.014	0.014
343	9/29/2015 13:39	0.014	0.014
344	9/29/2015 13:40	0.014	0.014
345	9/29/2015 13:41	0.014	0.014
346	9/29/2015 13:42	0.015	0.014
347	9/29/2015 13:43	0.014	0.014
348	9/29/2015 13:44	0.014	0.014
349	9/29/2015 13:45	0.015	0.014
350	9/29/2015 13:46	0.015	0.014
351	9/29/2015 13:47	0.014	0.014
352	9/29/2015 13:48	0.014	0.014
353	9/29/2015 13:49	0.015	0.014
354	9/29/2015 13:50	0.014	0.014
355	9/29/2015 13:51	0.015	0.014
356	9/29/2015 13:52	0.014	0.014
357	9/29/2015 13:53	0.015	0.014
358	9/29/2015 13:54	0.014	0.014
359	9/29/2015 13:55	0.014	0.014
360	9/29/2015 13:56	0.014	0.014
361	9/29/2015 13:57	0.014	0.014
362	9/29/2015 13:58	0.014	0.014
363	9/29/2015 13:59	0.015	0.014
364	9/29/2015 14:00	0.015	0.014
365	9/29/2015 14:01	0.014	0.014
366	9/29/2015 14:02	0.015	0.014
367	9/29/2015 14:03	0.014	0.014
368	9/29/2015 14:04	0.015	0.014
369	9/29/2015 14:05	0.015	0.014
370	9/29/2015 14:06	0.015	0.014
371	9/29/2015 14:07	0.015	0.015
372	9/29/2015 14:08	0.016	0.015
373	9/29/2015 14:09	0.015	0.015
374	9/29/2015 14:10	0.015	0.015
375	9/29/2015 14:11	0.015	0.015
376	9/29/2015 14:12	0.015	0.015
377	9/29/2015 14:13	0.015	0.015
378	9/29/2015 14:14	0.015	0.015
379	9/29/2015 14:15	0.014	0.015
380	9/29/2015 14:16	0.014	0.015
381	9/29/2015 14:17	0.014	0.015
382	9/29/2015 14:18	0.014	0.015
383	9/29/2015 14:19	0.015	0.015
384	9/29/2015 14:20	0.015	0.015
385	9/29/2015 14:21	0.014	0.015
386	9/29/2015 14:22	0.015	0.015
387	9/29/2015 14:23	0.015	0.015
388	9/29/2015 14:24	0.015	0.015
389	9/29/2015 14:25	0.015	0.015
390	9/29/2015 14:26	0.015	0.015
391	9/29/2015 14:27	0.015	0.015

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
342	9/29/2015 13:38	0.070	0.067
343	9/29/2015 13:39	0.026	0.064
344	9/29/2015 13:40	0.013	0.062
345	9/29/2015 13:41	0.021	0.061
346	9/29/2015 13:42	0.033	0.060
347	9/29/2015 13:43	0.049	0.058
348	9/29/2015 13:44	0.090	0.058
349	9/29/2015 13:45	0.067	0.058
350	9/29/2015 13:46	0.086	0.058
351	9/29/2015 13:47	0.069	0.058
352	9/29/2015 13:48	0.492	0.087
353	9/29/2015 13:49	0.290	0.104
354	9/29/2015 13:50	0.028	0.103
355	9/29/2015 13:51	0.065	0.102
356	9/29/2015 13:52	0.050	0.097
357	9/29/2015 13:53	0.056	0.096
358	9/29/2015 13:54	0.218	0.108
359	9/29/2015 13:55	0.063	0.112
360	9/29/2015 13:56	0.038	0.113
361	9/29/2015 13:57	0.053	0.114
362	9/29/2015 13:58	0.030	0.113
363	9/29/2015 13:59	0.020	0.108
364	9/29/2015 14:00	0.056	0.108
365	9/29/2015 14:01	0.052	0.105
366	9/29/2015 14:02	0.079	0.106
367	9/29/2015 14:03	0.054	0.077
368	9/29/2015 14:04	0.038	0.060
369	9/29/2015 14:05	0.048	0.061
370	9/29/2015 14:06	0.015	0.058
371	9/29/2015 14:07	0.102	0.061
372	9/29/2015 14:08	0.386	0.083
373	9/29/2015 14:09	0.159	0.080
374	9/29/2015 14:10	0.081	0.081
375	9/29/2015 14:11	0.051	0.082
376	9/29/2015 14:12	0.062	0.082
377	9/29/2015 14:13	0.033	0.082
378	9/29/2015 14:14	0.021	0.082
379	9/29/2015 14:15	0.083	0.084
380	9/29/2015 14:16	0.082	0.086
381	9/29/2015 14:17	0.037	0.083
382	9/29/2015 14:18	0.013	0.081
383	9/29/2015 14:19	0.029	0.080
384	9/29/2015 14:20	0.050	0.080
385	9/29/2015 14:21	0.304	0.100
386	9/29/2015 14:22	0.103	0.100
387	9/29/2015 14:23	0.050	0.077
388	9/29/2015 14:24	0.028	0.068
389	9/29/2015 14:25	0.020	0.064
390	9/29/2015 14:26	0.019	0.062
391	9/29/2015 14:27	0.017	0.059

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
392	9/29/2015 14:28	0.015	0.015
393	9/29/2015 14:29	0.015	0.015
394	9/29/2015 14:30	0.015	0.015
395	9/29/2015 14:31	0.015	0.015
396	9/29/2015 14:32	0.015	0.015
397	9/29/2015 14:33	0.016	0.015
398	9/29/2015 14:34	0.016	0.015
399	9/29/2015 14:35	0.016	0.015
400	9/29/2015 14:36	0.016	0.015
401	9/29/2015 14:37	0.016	0.015
402	9/29/2015 14:38	0.017	0.015
403	9/29/2015 14:39	0.017	0.016
404	9/29/2015 14:40	0.016	0.016
405	9/29/2015 14:41	0.016	0.016
406	9/29/2015 14:42	0.017	0.016
407	9/29/2015 14:43	0.017	0.016
408	9/29/2015 14:44	0.016	0.016
409	9/29/2015 14:45	0.016	0.016
410	9/29/2015 14:46	0.016	0.016
411	9/29/2015 14:47	0.016	0.016
412	9/29/2015 14:48	0.016	0.016
413	9/29/2015 14:49	0.016	0.016
414	9/29/2015 14:50	0.017	0.016
415	9/29/2015 14:51	0.017	0.016
416	9/29/2015 14:52	0.017	0.016
417	9/29/2015 14:53	0.016	0.016
418	9/29/2015 14:54	0.017	0.016
419	9/29/2015 14:55	0.017	0.016
420	9/29/2015 14:56	0.017	0.017
421	9/29/2015 14:57	0.017	0.017
422	9/29/2015 14:58		0.017

Tuesday, September 29, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
392	9/29/2015 14:28	0.027	0.059
393	9/29/2015 14:29	0.051	0.061
394	9/29/2015 14:30	0.011	0.056
395	9/29/2015 14:31	0.011	0.051
396	9/29/2015 14:32	0.012	0.050
397	9/29/2015 14:33	0.012	0.050
398	9/29/2015 14:34	0.014	0.049
399	9/29/2015 14:35	0.036	0.048
400	9/29/2015 14:36	0.064	0.032
401	9/29/2015 14:37	0.025	0.026
402	9/29/2015 14:38	0.028	0.025
403	9/29/2015 14:39	0.019	0.024
404	9/29/2015 14:40	0.153	0.033
405	9/29/2015 14:41	0.087	0.038
406	9/29/2015 14:42	0.020	0.038
407	9/29/2015 14:43	0.026	0.038
408	9/29/2015 14:44	0.220	0.049
409	9/29/2015 14:45	0.237	0.064
410	9/29/2015 14:46	0.037	0.066
411	9/29/2015 14:47	0.024	0.067
412	9/29/2015 14:48	0.013	0.067
413	9/29/2015 14:49	0.012	0.067
414	9/29/2015 14:50	0.013	0.065
415	9/29/2015 14:51	0.013	0.062
416	9/29/2015 14:52	0.013	0.061
417	9/29/2015 14:53	0.013	0.060
418	9/29/2015 14:54	0.015	0.060
419	9/29/2015 14:55		0.053
420	9/29/2015 14:56		0.050
421	9/29/2015 14:57		0.053
422	9/29/2015 14:58		0.055

Upwind VOC Data Summary		
Maximum	0.8	ppm
Minimum	0.1	ppm
Average	0.6	ppm
Maximum 15-Minute Average	0.8	ppm

Downwind VOC Data Summary		
Maximum	0.7	ppm
Minimum	0.1	ppm
Average	0.5	ppm
Maximum 15-Minute Average	0.7	ppm

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
1	10/1/2015 8:24		
2	10/1/2015 8:25		
3	10/1/2015 8:26		
4	10/1/2015 8:27		
5	10/1/2015 8:28		
6	10/1/2015 8:29		
7	10/1/2015 8:30		
8	10/1/2015 8:31		
9	10/1/2015 8:32		
10	10/1/2015 8:33	0.1	
11	10/1/2015 8:34	0.2	
12	10/1/2015 8:35	0.2	
13	10/1/2015 8:36	0.3	
14	10/1/2015 8:37	0.3	
15	10/1/2015 8:38	0.4	0.2
16	10/1/2015 8:39	0.4	0.3
17	10/1/2015 8:40	0.4	0.3
18	10/1/2015 8:41	0.5	0.3
19	10/1/2015 8:42	0.5	0.3
20	10/1/2015 8:43	0.5	0.3
21	10/1/2015 8:44	0.5	0.4
22	10/1/2015 8:45	0.6	0.4
23	10/1/2015 8:46	0.6	0.4
24	10/1/2015 8:47	0.6	0.4
25	10/1/2015 8:48	0.6	0.4
26	10/1/2015 8:49	0.6	0.5
27	10/1/2015 8:50	0.6	0.5
28	10/1/2015 8:51	0.7	0.5
29	10/1/2015 8:52	0.7	0.5
30	10/1/2015 8:53	0.7	0.6
31	10/1/2015 8:54	0.7	0.6
32	10/1/2015 8:55	0.7	0.6
33	10/1/2015 8:56	0.7	0.6
34	10/1/2015 8:57	0.7	0.6
35	10/1/2015 8:58	0.7	0.6
36	10/1/2015 8:59	0.7	0.7
37	10/1/2015 9:00	0.7	0.7
38	10/1/2015 9:01	0.7	0.7
39	10/1/2015 9:02	0.7	0.7
40	10/1/2015 9:03	0.7	0.7
41	10/1/2015 9:04	0.7	0.7
42	10/1/2015 9:05	0.8	0.7

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
1	10/1/2015 8:24	0.1	
2	10/1/2015 8:25	0.1	
3	10/1/2015 8:26	0.1	
4	10/1/2015 8:27	0.2	
5	10/1/2015 8:28	0.2	
6	10/1/2015 8:29	0.2	
7	10/1/2015 8:30	0.2	
8	10/1/2015 8:31	0.3	
9	10/1/2015 8:32	0.3	
10	10/1/2015 8:33	0.3	
11	10/1/2015 8:34	0.3	
12	10/1/2015 8:35	0.4	
13	10/1/2015 8:36	0.3	
14	10/1/2015 8:37	0.3	
15	10/1/2015 8:38	0.3	0.2
16	10/1/2015 8:39	0.4	0.3
17	10/1/2015 8:40	0.4	0.3
18	10/1/2015 8:41	0.4	0.3
19	10/1/2015 8:42	0.4	0.3
20	10/1/2015 8:43	0.4	0.3
21	10/1/2015 8:44	0.4	0.3
22	10/1/2015 8:45	0.4	0.4
23	10/1/2015 8:46	0.4	0.4
24	10/1/2015 8:47	0.4	0.4
25	10/1/2015 8:48	0.4	0.4
26	10/1/2015 8:49	0.4	0.4
27	10/1/2015 8:50	0.4	0.4
28	10/1/2015 8:51	0.4	0.4
29	10/1/2015 8:52	0.5	0.4
30	10/1/2015 8:53	0.5	0.4
31	10/1/2015 8:54	0.5	0.4
32	10/1/2015 8:55	0.5	0.4
33	10/1/2015 8:56	0.5	0.4
34	10/1/2015 8:57	0.5	0.4
35	10/1/2015 8:58	0.5	0.4
36	10/1/2015 8:59	0.5	0.5
37	10/1/2015 9:00	0.5	0.5
38	10/1/2015 9:01	0.5	0.5
39	10/1/2015 9:02	0.5	0.5
40	10/1/2015 9:03	0.5	0.5
41	10/1/2015 9:04	0.5	0.5
42	10/1/2015 9:05	0.5	0.5

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
43	10/1/2015 9:06	0.7	0.7
44	10/1/2015 9:07	0.7	0.7
45	10/1/2015 9:08	0.7	0.7
46	10/1/2015 9:09	0.8	0.7
47	10/1/2015 9:10	0.7	0.7
48	10/1/2015 9:11	0.7	0.7
49	10/1/2015 9:12	0.7	0.7
50	10/1/2015 9:13	0.7	0.7
51	10/1/2015 9:14	0.7	0.7
52	10/1/2015 9:15	0.7	0.7
53	10/1/2015 9:16	0.7	0.7
54	10/1/2015 9:17	0.7	0.7
55	10/1/2015 9:18	0.7	0.7
56	10/1/2015 9:19	0.7	0.7
57	10/1/2015 9:20	0.7	0.7
58	10/1/2015 9:21	0.7	0.7
59	10/1/2015 9:22	0.7	0.7
60	10/1/2015 9:23	0.7	0.7
61	10/1/2015 9:24	0.7	0.7
62	10/1/2015 9:25	0.7	0.7
63	10/1/2015 9:26	0.7	0.7
64	10/1/2015 9:27	0.7	0.7
65	10/1/2015 9:28	0.7	0.7
66	10/1/2015 9:29	0.7	0.7
67	10/1/2015 9:30	0.7	0.7
68	10/1/2015 9:31	0.7	0.7
69	10/1/2015 9:32	0.7	0.7
70	10/1/2015 9:33	0.7	0.7
71	10/1/2015 9:34	0.7	0.7
72	10/1/2015 9:35	0.7	0.7
73	10/1/2015 9:36	0.7	0.7
74	10/1/2015 9:37	0.7	0.7
75	10/1/2015 9:38	0.7	0.7
76	10/1/2015 9:39	0.7	0.7
77	10/1/2015 9:40	0.7	0.7
78	10/1/2015 9:41	0.8	0.7
79	10/1/2015 9:42	0.8	0.7
80	10/1/2015 9:43	0.8	0.7
81	10/1/2015 9:44	0.7	0.7
82	10/1/2015 9:45	0.8	0.7
83	10/1/2015 9:46	0.8	0.7
84	10/1/2015 9:47	0.8	0.7
85	10/1/2015 9:48	0.8	0.7
86	10/1/2015 9:49	0.8	0.7
87	10/1/2015 9:50	0.7	0.7
88	10/1/2015 9:51	0.7	0.7
89	10/1/2015 9:52	0.7	0.7
90	10/1/2015 9:53	0.7	0.7
91	10/1/2015 9:54	0.7	0.7
92	10/1/2015 9:55	0.7	0.7

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
43	10/1/2015 9:06	0.5	0.5
44	10/1/2015 9:07	0.5	0.5
45	10/1/2015 9:08	0.5	0.5
46	10/1/2015 9:09	0.5	0.5
47	10/1/2015 9:10	0.5	0.5
48	10/1/2015 9:11	0.5	0.5
49	10/1/2015 9:12	0.5	0.5
50	10/1/2015 9:13	0.5	0.5
51	10/1/2015 9:14	0.5	0.5
52	10/1/2015 9:15	0.5	0.5
53	10/1/2015 9:16	0.5	0.5
54	10/1/2015 9:17	0.5	0.5
55	10/1/2015 9:18	0.5	0.5
56	10/1/2015 9:19	0.5	0.5
57	10/1/2015 9:20	0.5	0.5
58	10/1/2015 9:21	0.5	0.5
59	10/1/2015 9:22	0.5	0.5
60	10/1/2015 9:23	0.5	0.5
61	10/1/2015 9:24	0.5	0.5
62	10/1/2015 9:25	0.5	0.5
63	10/1/2015 9:26	0.5	0.5
64	10/1/2015 9:27	0.5	0.5
65	10/1/2015 9:28	0.5	0.5
66	10/1/2015 9:29	0.5	0.5
67	10/1/2015 9:30	0.5	0.5
68	10/1/2015 9:31	0.5	0.5
69	10/1/2015 9:32	0.6	0.5
70	10/1/2015 9:33	0.5	0.5
71	10/1/2015 9:34	0.5	0.5
72	10/1/2015 9:35	0.5	0.5
73	10/1/2015 9:36	0.6	0.5
74	10/1/2015 9:37	0.6	0.5
75	10/1/2015 9:38	0.6	0.5
76	10/1/2015 9:39	0.6	0.5
77	10/1/2015 9:40	0.6	0.5
78	10/1/2015 9:41	0.6	0.5
79	10/1/2015 9:42	0.6	0.5
80	10/1/2015 9:43	0.6	0.6
81	10/1/2015 9:44	0.6	0.6
82	10/1/2015 9:45	0.6	0.6
83	10/1/2015 9:46	0.6	0.6
84	10/1/2015 9:47	0.6	0.6
85	10/1/2015 9:48	0.6	0.6
86	10/1/2015 9:49	0.6	0.6
87	10/1/2015 9:50	0.6	0.6
88	10/1/2015 9:51	0.6	0.6
89	10/1/2015 9:52	0.6	0.6
90	10/1/2015 9:53	0.6	0.6
91	10/1/2015 9:54	0.6	0.6
92	10/1/2015 9:55	0.6	0.6

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
93	10/1/2015 9:56	0.8	0.8
94	10/1/2015 9:57	0.7	0.7
95	10/1/2015 9:58	0.7	0.7
96	10/1/2015 9:59	0.7	0.7
97	10/1/2015 10:00	0.7	0.7
98	10/1/2015 10:01	0.7	0.7
99	10/1/2015 10:02	0.7	0.7
100	10/1/2015 10:03	0.7	0.7
101	10/1/2015 10:04	0.7	0.7
102	10/1/2015 10:05	0.7	0.7
103	10/1/2015 10:06	0.7	0.7
104	10/1/2015 10:07	0.7	0.7
105	10/1/2015 10:08	0.7	0.7
106	10/1/2015 10:09	0.7	0.7
107	10/1/2015 10:10	0.7	0.7
108	10/1/2015 10:11	0.7	0.7
109	10/1/2015 10:12	0.7	0.7
110	10/1/2015 10:13	0.7	0.7
111	10/1/2015 10:14	0.7	0.7
112	10/1/2015 10:15	0.7	0.7
113	10/1/2015 10:16	0.7	0.7
114	10/1/2015 10:17	0.7	0.7
115	10/1/2015 10:18	0.7	0.7
116	10/1/2015 10:19	0.7	0.7
117	10/1/2015 10:20	0.7	0.7
118	10/1/2015 10:21	0.7	0.7
119	10/1/2015 10:22	0.7	0.7
120	10/1/2015 10:23	0.7	0.7
121	10/1/2015 10:24	0.7	0.7
122	10/1/2015 10:25	0.7	0.7
123	10/1/2015 10:26	0.7	0.7
124	10/1/2015 10:27	0.7	0.7
125	10/1/2015 10:28	0.7	0.7
126	10/1/2015 10:29	0.7	0.7
127	10/1/2015 10:30	0.7	0.7
128	10/1/2015 10:31	0.7	0.7
129	10/1/2015 10:32	0.7	0.7
130	10/1/2015 10:33	0.7	0.7
131	10/1/2015 10:34	0.7	0.7
132	10/1/2015 10:35	0.7	0.7
133	10/1/2015 10:36	0.7	0.7
134	10/1/2015 10:37	0.7	0.7
135	10/1/2015 10:38	0.7	0.7
136	10/1/2015 10:39	0.7	0.7
137	10/1/2015 10:40	0.7	0.7
138	10/1/2015 10:41	0.7	0.7
139	10/1/2015 10:42	0.7	0.7
140	10/1/2015 10:43	0.7	0.7
141	10/1/2015 10:44	0.7	0.7
142	10/1/2015 10:45	0.7	0.7

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
93	10/1/2015 9:56	0.6	0.6
94	10/1/2015 9:57	0.6	0.6
95	10/1/2015 9:58	0.6	0.6
96	10/1/2015 9:59	0.6	0.6
97	10/1/2015 10:00	0.6	0.6
98	10/1/2015 10:01	0.6	0.6
99	10/1/2015 10:02	0.6	0.6
100	10/1/2015 10:03	0.6	0.6
101	10/1/2015 10:04	0.6	0.6
102	10/1/2015 10:05	0.6	0.6
103	10/1/2015 10:06	0.6	0.6
104	10/1/2015 10:07	0.6	0.6
105	10/1/2015 10:08	0.6	0.6
106	10/1/2015 10:09	0.6	0.6
107	10/1/2015 10:10	0.6	0.6
108	10/1/2015 10:11	0.6	0.6
109	10/1/2015 10:12	0.6	0.6
110	10/1/2015 10:13	0.6	0.6
111	10/1/2015 10:14	0.6	0.6
112	10/1/2015 10:15	0.6	0.6
113	10/1/2015 10:16	0.6	0.6
114	10/1/2015 10:17	0.5	0.6
115	10/1/2015 10:18	0.5	0.6
116	10/1/2015 10:19	0.5	0.6
117	10/1/2015 10:20	0.5	0.5
118	10/1/2015 10:21	0.6	0.5
119	10/1/2015 10:22	0.5	0.5
120	10/1/2015 10:23	0.5	0.5
121	10/1/2015 10:24	0.5	0.5
122	10/1/2015 10:25	0.5	0.5
123	10/1/2015 10:26	0.5	0.5
124	10/1/2015 10:27	0.5	0.5
125	10/1/2015 10:28	0.5	0.5
126	10/1/2015 10:29	0.6	0.5
127	10/1/2015 10:30	0.6	0.5
128	10/1/2015 10:31	0.6	0.5
129	10/1/2015 10:32	0.6	0.5
130	10/1/2015 10:33	0.5	0.5
131	10/1/2015 10:34	0.6	0.5
132	10/1/2015 10:35	0.6	0.5
133	10/1/2015 10:36	0.6	0.5
134	10/1/2015 10:37	0.6	0.5
135	10/1/2015 10:38	0.6	0.5
136	10/1/2015 10:39	0.5	0.5
137	10/1/2015 10:40	0.6	0.6
138	10/1/2015 10:41	0.6	0.6
139	10/1/2015 10:42	0.6	0.6
140	10/1/2015 10:43	0.6	0.6
141	10/1/2015 10:44	0.6	0.6
142	10/1/2015 10:45	0.6	0.6

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
143	10/1/2015 10:46	0.7	0.7
144	10/1/2015 10:47	0.7	0.7
145	10/1/2015 10:48	0.7	0.7
146	10/1/2015 10:49	0.7	0.7
147	10/1/2015 10:50	0.7	0.7
148	10/1/2015 10:51	0.7	0.7
149	10/1/2015 10:52	0.7	0.7
150	10/1/2015 10:53	0.7	0.7
151	10/1/2015 10:54	0.7	0.7
152	10/1/2015 10:55	0.7	0.7
153	10/1/2015 10:56	0.7	0.7
154	10/1/2015 10:57	0.7	0.7
155	10/1/2015 10:58	0.7	0.7
156	10/1/2015 10:59	0.7	0.7
157	10/1/2015 11:00	0.7	0.7
158	10/1/2015 11:01	0.7	0.7
159	10/1/2015 11:02	0.7	0.7
160	10/1/2015 11:03	0.7	0.7
161	10/1/2015 11:04	0.7	0.7
162	10/1/2015 11:05	0.7	0.7
163	10/1/2015 11:06	0.7	0.7
164	10/1/2015 11:07	0.7	0.7
165	10/1/2015 11:08	0.7	0.7
166	10/1/2015 11:09	0.7	0.7
167	10/1/2015 11:10	0.7	0.7
168	10/1/2015 11:11	0.7	0.7
169	10/1/2015 11:12	0.7	0.7
170	10/1/2015 11:13	0.7	0.7
171	10/1/2015 11:14	0.7	0.7
172	10/1/2015 11:15	0.7	0.7
173	10/1/2015 11:16	0.7	0.7
174	10/1/2015 11:17	0.7	0.7
175	10/1/2015 11:18	0.7	0.7
176	10/1/2015 11:19	0.7	0.7
177	10/1/2015 11:20	0.7	0.7
178	10/1/2015 11:21	0.7	0.7
179	10/1/2015 11:22	0.7	0.7
180	10/1/2015 11:23	0.7	0.7
181	10/1/2015 11:24	0.7	0.7
182	10/1/2015 11:25	0.7	0.7
183	10/1/2015 11:26	0.7	0.7
184	10/1/2015 11:27	0.7	0.7
185	10/1/2015 11:28	0.7	0.7
186	10/1/2015 11:29	0.7	0.7
187	10/1/2015 11:30	0.7	0.7
188	10/1/2015 11:31	0.7	0.7
189	10/1/2015 11:32	0.7	0.7
190	10/1/2015 11:33	0.7	0.7
191	10/1/2015 11:34	0.7	0.7
192	10/1/2015 11:35	0.7	0.7

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
143	10/1/2015 10:46	0.6	0.6
144	10/1/2015 10:47	0.6	0.6
145	10/1/2015 10:48	0.6	0.6
146	10/1/2015 10:49	0.6	0.6
147	10/1/2015 10:50	0.6	0.6
148	10/1/2015 10:51	0.6	0.6
149	10/1/2015 10:52	0.6	0.6
150	10/1/2015 10:53	0.6	0.6
151	10/1/2015 10:54	0.5	0.6
152	10/1/2015 10:55	0.6	0.6
153	10/1/2015 10:56	0.6	0.6
154	10/1/2015 10:57	0.6	0.6
155	10/1/2015 10:58	0.6	0.6
156	10/1/2015 10:59	0.6	0.6
157	10/1/2015 11:00	0.6	0.6
158	10/1/2015 11:01	0.6	0.6
159	10/1/2015 11:02	0.6	0.6
160	10/1/2015 11:03	0.6	0.6
161	10/1/2015 11:04	0.6	0.6
162	10/1/2015 11:05	0.6	0.6
163	10/1/2015 11:06	0.6	0.6
164	10/1/2015 11:07	0.6	0.6
165	10/1/2015 11:08	0.6	0.6
166	10/1/2015 11:09	0.6	0.6
167	10/1/2015 11:10	0.6	0.6
168	10/1/2015 11:11	0.6	0.6
169	10/1/2015 11:12	0.6	0.6
170	10/1/2015 11:13	0.6	0.6
171	10/1/2015 11:14	0.6	0.6
172	10/1/2015 11:15	0.6	0.6
173	10/1/2015 11:16	0.6	0.6
174	10/1/2015 11:17	0.6	0.6
175	10/1/2015 11:18	0.6	0.6
176	10/1/2015 11:19	0.6	0.6
177	10/1/2015 11:20	0.6	0.6
178	10/1/2015 11:21	0.6	0.6
179	10/1/2015 11:22	0.6	0.6
180	10/1/2015 11:23	0.6	0.6
181	10/1/2015 11:24	0.6	0.6
182	10/1/2015 11:25	0.6	0.6
183	10/1/2015 11:26	0.6	0.6
184	10/1/2015 11:27	0.6	0.6
185	10/1/2015 11:28	0.6	0.6
186	10/1/2015 11:29	0.6	0.6
187	10/1/2015 11:30	0.6	0.6
188	10/1/2015 11:31	0.6	0.6
189	10/1/2015 11:32	0.6	0.6
190	10/1/2015 11:33	0.6	0.6
191	10/1/2015 11:34	0.6	0.6
192	10/1/2015 11:35	0.6	0.6

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
193	10/1/2015 11:36	0.7	0.7
194	10/1/2015 11:37	0.7	0.7
195	10/1/2015 11:38	0.7	0.7
196	10/1/2015 11:39	0.7	0.7
197	10/1/2015 11:40	0.7	0.7
198	10/1/2015 11:41	0.7	0.7
199	10/1/2015 11:42	0.7	0.7
200	10/1/2015 11:43	0.7	0.7
201	10/1/2015 11:44	0.7	0.7
202	10/1/2015 11:45	0.7	0.7
203	10/1/2015 11:46	0.7	0.7
204	10/1/2015 11:47	0.7	0.7
205	10/1/2015 11:48	0.7	0.7
206	10/1/2015 11:49	0.7	0.7
207	10/1/2015 11:50	0.7	0.7
208	10/1/2015 11:51	0.7	0.7
209	10/1/2015 11:52	0.7	0.7
210	10/1/2015 11:53	0.7	0.7
211	10/1/2015 11:54	0.7	0.7
212	10/1/2015 11:55	0.7	0.7
213	10/1/2015 11:56	0.7	0.7
214	10/1/2015 11:57	0.7	0.7
215	10/1/2015 11:58	0.7	0.7
216	10/1/2015 11:59	0.8	0.7
217	10/1/2015 12:00	0.7	0.7
218	10/1/2015 12:01	0.7	0.7
219	10/1/2015 12:02	0.8	0.7
220	10/1/2015 12:03	0.8	0.7
221	10/1/2015 12:04	0.7	0.7
222	10/1/2015 12:05	0.7	0.7
223	10/1/2015 12:06	0.7	0.7
224	10/1/2015 12:07	0.7	0.7
225	10/1/2015 12:08	0.8	0.7
226	10/1/2015 12:09	0.7	0.7
227	10/1/2015 12:10	0.7	0.7
228	10/1/2015 12:11	0.8	0.7
229	10/1/2015 12:12	0.7	0.7
230	10/1/2015 12:13	0.7	0.7
231	10/1/2015 12:14	0.7	0.7
232	10/1/2015 12:15	0.7	0.7
233	10/1/2015 12:16	0.7	0.7
234	10/1/2015 12:17	0.7	0.7
235	10/1/2015 12:18	0.7	0.7
236	10/1/2015 12:19	0.7	0.7
237	10/1/2015 12:20	0.7	0.7
238	10/1/2015 12:21	0.7	0.7
239	10/1/2015 12:22	0.7	0.7
240	10/1/2015 12:23	0.7	0.7
241	10/1/2015 12:24	0.7	0.7
242	10/1/2015 12:25	0.7	0.7

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
193	10/1/2015 11:36	0.6	0.6
194	10/1/2015 11:37	0.6	0.6
195	10/1/2015 11:38	0.6	0.6
196	10/1/2015 11:39	0.6	0.6
197	10/1/2015 11:40	0.6	0.6
198	10/1/2015 11:41	0.6	0.6
199	10/1/2015 11:42	0.6	0.6
200	10/1/2015 11:43	0.6	0.6
201	10/1/2015 11:44	0.6	0.6
202	10/1/2015 11:45	0.6	0.6
203	10/1/2015 11:46	0.6	0.6
204	10/1/2015 11:47	0.6	0.6
205	10/1/2015 11:48	0.6	0.6
206	10/1/2015 11:49	0.6	0.6
207	10/1/2015 11:50	0.6	0.6
208	10/1/2015 11:51	0.6	0.6
209	10/1/2015 11:52	0.6	0.6
210	10/1/2015 11:53	0.6	0.6
211	10/1/2015 11:54	0.6	0.6
212	10/1/2015 11:55	0.6	0.6
213	10/1/2015 11:56	0.6	0.6
214	10/1/2015 11:57	0.7	0.6
215	10/1/2015 11:58	0.6	0.6
216	10/1/2015 11:59	0.6	0.6
217	10/1/2015 12:00	0.6	0.6
218	10/1/2015 12:01	0.7	0.6
219	10/1/2015 12:02	0.6	0.6
220	10/1/2015 12:03	0.6	0.6
221	10/1/2015 12:04	0.6	0.6
222	10/1/2015 12:05	0.7	0.6
223	10/1/2015 12:06	0.7	0.6
224	10/1/2015 12:07	0.6	0.6
225	10/1/2015 12:08	0.7	0.7
226	10/1/2015 12:09	0.7	0.7
227	10/1/2015 12:10	0.7	0.7
228	10/1/2015 12:11	0.7	0.7
229	10/1/2015 12:12	0.7	0.7
230	10/1/2015 12:13	0.7	0.7
231	10/1/2015 12:14	0.7	0.7
232	10/1/2015 12:15	0.7	0.7
233	10/1/2015 12:16	0.7	0.7
234	10/1/2015 12:17	0.7	0.7
235	10/1/2015 12:18	0.7	0.7
236	10/1/2015 12:19	0.7	0.7
237	10/1/2015 12:20	0.7	0.7
238	10/1/2015 12:21	0.7	0.7
239	10/1/2015 12:22	0.6	0.7
240	10/1/2015 12:23	0.6	0.7
241	10/1/2015 12:24	0.6	0.7
242	10/1/2015 12:25	0.7	0.7

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
243	10/1/2015 12:26	0.7	0.7
244	10/1/2015 12:27	0.7	0.7
245	10/1/2015 12:28	0.7	0.7
246	10/1/2015 12:29	0.7	0.7
247	10/1/2015 12:30	0.7	0.7
248	10/1/2015 12:31	0.7	0.7
249	10/1/2015 12:32	0.7	0.7
250	10/1/2015 12:33	0.7	0.7
251	10/1/2015 12:34	0.7	0.7
252	10/1/2015 12:35	0.7	0.7
253	10/1/2015 12:36	0.7	0.7
254	10/1/2015 12:37	0.7	0.7
255	10/1/2015 12:38	0.7	0.7
256	10/1/2015 12:39	0.7	0.7
257	10/1/2015 12:40	0.7	0.7
258	10/1/2015 12:41	0.7	0.7
259	10/1/2015 12:42	0.7	0.7
260	10/1/2015 12:43	0.7	0.7
261	10/1/2015 12:44	0.7	0.7
262	10/1/2015 12:45	0.7	0.7
263	10/1/2015 12:46	0.7	0.7
264	10/1/2015 12:47	0.7	0.7
265	10/1/2015 12:48	0.7	0.7
266	10/1/2015 12:49	0.7	0.7
267	10/1/2015 12:50	0.7	0.7
268	10/1/2015 12:51	0.7	0.7
269	10/1/2015 12:52	0.7	0.7
270	10/1/2015 12:53	0.7	0.7
271	10/1/2015 12:54	0.7	0.7
272	10/1/2015 12:55	0.7	0.7
273	10/1/2015 12:56	0.7	0.7
274	10/1/2015 12:57	0.7	0.7
275	10/1/2015 12:58	0.7	0.7
276	10/1/2015 12:59	0.7	0.7
277	10/1/2015 13:00	0.7	0.7
278	10/1/2015 13:01	0.7	0.7
279	10/1/2015 13:02	0.7	0.7
280	10/1/2015 13:03	0.7	0.7
281	10/1/2015 13:04	0.7	0.7
282	10/1/2015 13:05	0.7	0.7
283	10/1/2015 13:06	0.7	0.7
284	10/1/2015 13:07	0.7	0.7
285	10/1/2015 13:08	0.7	0.7
286	10/1/2015 13:09	0.7	0.7
287	10/1/2015 13:10	0.7	0.7
288	10/1/2015 13:11	0.7	0.7
289	10/1/2015 13:12	0.6	0.7
290	10/1/2015 13:13	0.6	0.7
291	10/1/2015 13:14	0.6	0.7
292	10/1/2015 13:15	0.6	0.7

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
243	10/1/2015 12:26	0.6	0.7
244	10/1/2015 12:27	0.6	0.7
245	10/1/2015 12:28	0.6	0.7
246	10/1/2015 12:29	0.6	0.7
247	10/1/2015 12:30	0.6	0.7
248	10/1/2015 12:31	0.6	0.6
249	10/1/2015 12:32	0.6	0.6
250	10/1/2015 12:33	0.6	0.6
251	10/1/2015 12:34	0.6	0.6
252	10/1/2015 12:35	0.6	0.6
253	10/1/2015 12:36	0.6	0.6
254	10/1/2015 12:37	0.6	0.6
255	10/1/2015 12:38	0.6	0.6
256	10/1/2015 12:39	0.6	0.6
257	10/1/2015 12:40	0.6	0.6
258	10/1/2015 12:41	0.6	0.6
259	10/1/2015 12:42	0.6	0.6
260	10/1/2015 12:43	0.6	0.6
261	10/1/2015 12:44	0.6	0.6
262	10/1/2015 12:45	0.6	0.6
263	10/1/2015 12:46	0.6	0.6
264	10/1/2015 12:47	0.6	0.6
265	10/1/2015 12:48	0.6	0.6
266	10/1/2015 12:49	0.6	0.6
267	10/1/2015 12:50	0.6	0.6
268	10/1/2015 12:51	0.6	0.6
269	10/1/2015 12:52	0.6	0.6
270	10/1/2015 12:53	0.6	0.6
271	10/1/2015 12:54	0.6	0.6
272	10/1/2015 12:55	0.6	0.6
273	10/1/2015 12:56	0.6	0.6
274	10/1/2015 12:57	0.6	0.6
275	10/1/2015 12:58	0.6	0.6
276	10/1/2015 12:59	0.6	0.6
277	10/1/2015 13:00	0.6	0.6
278	10/1/2015 13:01	0.6	0.6
279	10/1/2015 13:02	0.6	0.6
280	10/1/2015 13:03	0.6	0.6
281	10/1/2015 13:04	0.6	0.6
282	10/1/2015 13:05	0.6	0.6
283	10/1/2015 13:06	0.6	0.6
284	10/1/2015 13:07	0.6	0.6
285	10/1/2015 13:08	0.6	0.6
286	10/1/2015 13:09	0.6	0.6
287	10/1/2015 13:10	0.6	0.6
288	10/1/2015 13:11	0.5	0.6
289	10/1/2015 13:12	0.5	0.6
290	10/1/2015 13:13	0.5	0.6
291	10/1/2015 13:14	0.5	0.6
292	10/1/2015 13:15	0.5	0.6

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
293	10/1/2015 13:16	0.6	0.7
294	10/1/2015 13:17	0.6	0.7
295	10/1/2015 13:18	0.6	0.7
296	10/1/2015 13:19	0.6	0.6
297	10/1/2015 13:20	0.6	0.6
298	10/1/2015 13:21	0.6	0.6
299	10/1/2015 13:22	0.6	0.6
300	10/1/2015 13:23	0.6	0.6
301	10/1/2015 13:24	0.6	0.6
302	10/1/2015 13:25	0.6	0.6
303	10/1/2015 13:26	0.6	0.6
304	10/1/2015 13:27	0.6	0.6
305	10/1/2015 13:28	0.6	0.6
306	10/1/2015 13:29	0.6	0.6
307	10/1/2015 13:30	0.6	0.6
308	10/1/2015 13:31	0.6	0.6
309	10/1/2015 13:32	0.6	0.6
310	10/1/2015 13:33	0.6	0.6
311	10/1/2015 13:34	0.6	0.6
312	10/1/2015 13:35	0.6	0.6
313	10/1/2015 13:36	0.6	0.6
314	10/1/2015 13:37	0.6	0.6
315	10/1/2015 13:38	0.6	0.6
316	10/1/2015 13:39	0.6	0.6
317	10/1/2015 13:40	0.6	0.6
318	10/1/2015 13:41	0.6	0.6
319	10/1/2015 13:42	0.6	0.6
320	10/1/2015 13:43	0.6	0.6
321	10/1/2015 13:44	0.6	0.6
322	10/1/2015 13:45	0.6	0.6
323	10/1/2015 13:46	0.6	0.6
324	10/1/2015 13:47	0.6	0.6
325	10/1/2015 13:48	0.6	0.6
326	10/1/2015 13:49	0.6	0.6
327	10/1/2015 13:50	0.5	0.6
328	10/1/2015 13:51	0.5	0.6
329	10/1/2015 13:52	0.5	0.6
330	10/1/2015 13:53	0.6	0.6
331	10/1/2015 13:54	0.5	0.6
332	10/1/2015 13:55	0.5	0.6
333	10/1/2015 13:56	0.5	0.6
334	10/1/2015 13:57	0.5	0.5
335	10/1/2015 13:58	0.5	0.5
336	10/1/2015 13:59	0.5	0.5
337	10/1/2015 14:00	0.5	0.5
338	10/1/2015 14:01	0.5	0.5
339	10/1/2015 14:02	0.5	0.5
340	10/1/2015 14:03	0.5	0.5
341	10/1/2015 14:04	0.5	0.5
342	10/1/2015 14:05	0.5	0.5

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
293	10/1/2015 13:16	0.5	0.6
294	10/1/2015 13:17	0.5	0.5
295	10/1/2015 13:18	0.5	0.5
296	10/1/2015 13:19	0.5	0.5
297	10/1/2015 13:20	0.5	0.5
298	10/1/2015 13:21	0.5	0.5
299	10/1/2015 13:22	0.5	0.5
300	10/1/2015 13:23	0.5	0.5
301	10/1/2015 13:24	0.5	0.5
302	10/1/2015 13:25	0.5	0.5
303	10/1/2015 13:26	0.5	0.5
304	10/1/2015 13:27	0.4	0.5
305	10/1/2015 13:28	0.4	0.5
306	10/1/2015 13:29	0.4	0.5
307	10/1/2015 13:30	0.4	0.5
308	10/1/2015 13:31	0.4	0.5
309	10/1/2015 13:32	0.4	0.5
310	10/1/2015 13:33	0.4	0.5
311	10/1/2015 13:34	0.4	0.5
312	10/1/2015 13:35	0.4	0.5
313	10/1/2015 13:36	0.4	0.4
314	10/1/2015 13:37	0.4	0.4
315	10/1/2015 13:38	0.4	0.4
316	10/1/2015 13:39	0.4	0.4
317	10/1/2015 13:40	0.4	0.4
318	10/1/2015 13:41	0.4	0.4
319	10/1/2015 13:42	0.5	0.4
320	10/1/2015 13:43	0.4	0.4
321	10/1/2015 13:44	0.4	0.4
322	10/1/2015 13:45	0.4	0.4
323	10/1/2015 13:46	0.4	0.4
324	10/1/2015 13:47	0.5	0.4
325	10/1/2015 13:48	0.4	0.4
326	10/1/2015 13:49	0.4	0.4
327	10/1/2015 13:50	0.4	0.4
328	10/1/2015 13:51	0.4	0.4
329	10/1/2015 13:52	0.4	0.4
330	10/1/2015 13:53	0.4	0.4
331	10/1/2015 13:54	0.4	0.4
332	10/1/2015 13:55	0.4	0.4
333	10/1/2015 13:56	0.4	0.4
334	10/1/2015 13:57	0.4	0.4
335	10/1/2015 13:58	0.4	0.4
336	10/1/2015 13:59	0.4	0.4
337	10/1/2015 14:00	0.4	0.4
338	10/1/2015 14:01	0.4	0.4
339	10/1/2015 14:02	0.4	0.4
340	10/1/2015 14:03	0.4	0.4
341	10/1/2015 14:04	0.4	0.4
342	10/1/2015 14:05	0.4	0.4

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
343	10/1/2015 14:06	0.5	0.5
344	10/1/2015 14:07	0.5	0.5
345	10/1/2015 14:08	0.5	0.5
346	10/1/2015 14:09	0.5	0.5
347	10/1/2015 14:10	0.5	0.5
348	10/1/2015 14:11	0.5	0.5
349	10/1/2015 14:12	0.5	0.5
350	10/1/2015 14:13	0.5	0.5
351	10/1/2015 14:14	0.5	0.5
352	10/1/2015 14:15	0.5	0.5
353	10/1/2015 14:16	0.5	0.5
354	10/1/2015 14:17	0.5	0.5
355	10/1/2015 14:18	0.5	0.5
356	10/1/2015 14:19	0.5	0.5
357	10/1/2015 14:20	0.5	0.5
358	10/1/2015 14:21	0.5	0.5
359	10/1/2015 14:22	0.5	0.5
360	10/1/2015 14:23	0.5	0.5
361	10/1/2015 14:24	0.5	0.5
362	10/1/2015 14:25	0.5	0.5
363	10/1/2015 14:26	0.5	0.5
364	10/1/2015 14:27	0.5	0.5
365	10/1/2015 14:28	0.5	0.5
366	10/1/2015 14:29	0.5	0.5
367	10/1/2015 14:30	0.5	0.5
368	10/1/2015 14:31	0.5	0.5
369	10/1/2015 14:32	0.4	0.5
370	10/1/2015 14:33	0.5	0.5
371	10/1/2015 14:34	0.5	0.5
372	10/1/2015 14:35	0.4	0.5
373	10/1/2015 14:36	0.5	0.5
374	10/1/2015 14:37	0.5	0.5
375	10/1/2015 14:38	0.4	0.5
376	10/1/2015 14:39	0.4	0.5
377	10/1/2015 14:40	0.5	0.5
378	10/1/2015 14:41	0.5	0.5
379	10/1/2015 14:42	0.5	0.5
380	10/1/2015 14:43	0.5	0.5
381	10/1/2015 14:44	0.5	0.5
382	10/1/2015 14:45	0.5	0.5
383	10/1/2015 14:46	0.5	0.5
384	10/1/2015 14:47	0.5	0.5
385	10/1/2015 14:48	0.5	0.5
386	10/1/2015 14:49	0.5	0.5
387	10/1/2015 14:50	0.5	0.5
388	10/1/2015 14:51	0.5	0.5
389	10/1/2015 14:52	0.5	0.5
390	10/1/2015 14:53	0.5	0.5
391	10/1/2015 14:54	0.5	0.5
392	10/1/2015 14:55	0.5	0.5

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
343	10/1/2015 14:06	0.4	0.4
344	10/1/2015 14:07	0.4	0.4
345	10/1/2015 14:08	0.5	0.4
346	10/1/2015 14:09	0.4	0.4
347	10/1/2015 14:10	0.4	0.4
348	10/1/2015 14:11	0.4	0.4
349	10/1/2015 14:12	0.4	0.4
350	10/1/2015 14:13	0.4	0.4
351	10/1/2015 14:14	0.4	0.4
352	10/1/2015 14:15	0.4	0.4
353	10/1/2015 14:16	0.4	0.4
354	10/1/2015 14:17	0.4	0.4
355	10/1/2015 14:18	0.4	0.4
356	10/1/2015 14:19	0.4	0.4
357	10/1/2015 14:20	0.4	0.4
358	10/1/2015 14:21	0.5	0.4
359	10/1/2015 14:22	0.4	0.4
360	10/1/2015 14:23	0.4	0.4
361	10/1/2015 14:24	0.4	0.4
362	10/1/2015 14:25	0.4	0.4
363	10/1/2015 14:26	0.4	0.4
364	10/1/2015 14:27	0.4	0.4
365	10/1/2015 14:28	0.4	0.4
366	10/1/2015 14:29	0.4	0.4
367	10/1/2015 14:30	0.4	0.4
368	10/1/2015 14:31	0.4	0.4
369	10/1/2015 14:32	0.4	0.4
370	10/1/2015 14:33	0.4	0.4
371	10/1/2015 14:34	0.4	0.4
372	10/1/2015 14:35	0.4	0.4
373	10/1/2015 14:36	0.4	0.4
374	10/1/2015 14:37	0.4	0.4
375	10/1/2015 14:38	0.4	0.4
376	10/1/2015 14:39	0.4	0.4
377	10/1/2015 14:40	0.4	0.4
378	10/1/2015 14:41	0.4	0.4
379	10/1/2015 14:42	0.4	0.4
380	10/1/2015 14:43	0.4	0.4
381	10/1/2015 14:44	0.4	0.4
382	10/1/2015 14:45	0.4	0.4
383	10/1/2015 14:46	0.4	0.4
384	10/1/2015 14:47	0.4	0.4
385	10/1/2015 14:48	0.4	0.4
386	10/1/2015 14:49	0.4	0.4
387	10/1/2015 14:50	0.4	0.4
388	10/1/2015 14:51	0.4	0.4
389	10/1/2015 14:52	0.4	0.4
390	10/1/2015 14:53	0.4	0.4
391	10/1/2015 14:54	0.4	0.4
392	10/1/2015 14:55	0.5	0.4

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
393	10/1/2015 14:56	0.5	0.5
394	10/1/2015 14:57	0.5	0.5
395	10/1/2015 14:58	0.5	0.5
396	10/1/2015 14:59	0.5	0.5
397	10/1/2015 15:00	0.5	0.5
398	10/1/2015 15:01	0.5	0.5
399	10/1/2015 15:02	0.5	0.5
400	10/1/2015 15:03	0.5	0.5
401	10/1/2015 15:04	0.5	0.5
402	10/1/2015 15:05	0.5	0.5
403	10/1/2015 15:06	0.5	0.5
404	10/1/2015 15:07	0.5	0.5
405	10/1/2015 15:08	0.5	0.5
406	10/1/2015 15:09	0.5	0.5
407	10/1/2015 15:10	0.5	0.5
408	10/1/2015 15:11	0.5	0.5
409	10/1/2015 15:12	0.5	0.5
410	10/1/2015 15:13	0.5	0.5
411	10/1/2015 15:14	0.5	0.5
412	10/1/2015 15:15	0.5	0.5
413	10/1/2015 15:16	0.5	0.5
414	10/1/2015 15:17	0.5	0.5
415	10/1/2015 15:18	0.5	0.5
416	10/1/2015 15:19	0.5	0.5
417	10/1/2015 15:20	0.5	0.5
418	10/1/2015 15:21	0.5	0.5
419	10/1/2015 15:22	0.5	0.5
420	10/1/2015 15:23	0.5	0.5
421	10/1/2015 15:24	0.5	0.5
422	10/1/2015 15:25	0.5	0.5
423	10/1/2015 15:26	0.5	0.5
424	10/1/2015 15:27	0.5	0.5
425	10/1/2015 15:28	0.5	0.5
426	10/1/2015 15:29	0.5	0.5
427	10/1/2015 15:30	0.5	0.5
428	10/1/2015 15:31	0.5	0.5
429	10/1/2015 15:32	0.5	0.5
430	10/1/2015 15:33	0.5	0.5
431	10/1/2015 15:34	0.5	0.5
432	10/1/2015 15:35	0.5	0.5
433	10/1/2015 15:36	0.5	0.5
434	10/1/2015 15:37	0.5	0.5
435	10/1/2015 15:38	0.5	0.5
436	10/1/2015 15:39	0.5	0.5
437	10/1/2015 15:40	0.5	0.5
438	10/1/2015 15:41	0.5	0.5
439	10/1/2015 15:42	0.5	0.5
440	10/1/2015 15:43	0.5	0.5
441	10/1/2015 15:44	0.5	0.5
442	10/1/2015 15:45	0.5	0.5

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
393	10/1/2015 14:56	0.4	0.4
394	10/1/2015 14:57	0.4	0.4
395	10/1/2015 14:58	0.4	0.4
396	10/1/2015 14:59	0.4	0.4
397	10/1/2015 15:00	0.4	0.4
398	10/1/2015 15:01	0.4	0.4
399	10/1/2015 15:02	0.4	0.4
400	10/1/2015 15:03	0.4	0.4
401	10/1/2015 15:04	0.4	0.4
402	10/1/2015 15:05	0.4	0.4
403	10/1/2015 15:06	0.4	0.4
404	10/1/2015 15:07	0.4	0.4
405	10/1/2015 15:08	0.4	0.4
406	10/1/2015 15:09	0.4	0.4
407	10/1/2015 15:10	0.4	0.4
408	10/1/2015 15:11	0.4	0.4
409	10/1/2015 15:12	0.4	0.4
410	10/1/2015 15:13	0.4	0.4
411	10/1/2015 15:14	0.4	0.4
412	10/1/2015 15:15	0.4	0.4
413	10/1/2015 15:16	0.4	0.4
414	10/1/2015 15:17	0.4	0.4
415	10/1/2015 15:18	0.4	0.4
416	10/1/2015 15:19	0.4	0.4
417	10/1/2015 15:20	0.4	0.4
418	10/1/2015 15:21	0.4	0.4
419	10/1/2015 15:22	0.4	0.4
420	10/1/2015 15:23	0.4	0.4
421	10/1/2015 15:24	0.4	0.4
422	10/1/2015 15:25	0.4	0.4
423	10/1/2015 15:26	0.4	0.4
424	10/1/2015 15:27	0.4	0.4
425	10/1/2015 15:28	0.4	0.4
426	10/1/2015 15:29	0.4	0.4
427	10/1/2015 15:30	0.4	0.4
428	10/1/2015 15:31	0.4	0.4
429	10/1/2015 15:32	0.4	0.4
430	10/1/2015 15:33	0.4	0.4
431	10/1/2015 15:34	0.4	0.4
432	10/1/2015 15:35	0.4	0.4
433	10/1/2015 15:36	0.4	0.4
434	10/1/2015 15:37	0.4	0.4
435	10/1/2015 15:38	0.4	0.4
436	10/1/2015 15:39	0.4	0.4
437	10/1/2015 15:40	0.4	0.4
438	10/1/2015 15:41	0.4	0.4
439	10/1/2015 15:42	0.4	0.4
440	10/1/2015 15:43	0.4	0.4
441	10/1/2015 15:44	0.4	0.4
442	10/1/2015 15:45	0.4	0.4

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
443	10/1/2015 15:46	0.5	0.5
444	10/1/2015 15:47	0.5	0.5
445	10/1/2015 15:48	0.5	0.5
446	10/1/2015 15:49	0.5	0.5
447	10/1/2015 15:50	0.5	0.5
448	10/1/2015 15:51	0.5	0.5
449	10/1/2015 15:52	0.5	0.5
450	10/1/2015 15:53	0.5	0.5
451	10/1/2015 15:54	0.5	0.5
452	10/1/2015 15:55	0.5	0.5
453	10/1/2015 15:56	0.5	0.5
454	10/1/2015 15:57	0.5	0.5
455	10/1/2015 15:58	0.5	0.5
456	10/1/2015 15:59	0.5	0.5
457	10/1/2015 16:00	0.5	0.5
458	10/1/2015 16:01	0.5	0.5
459	10/1/2015 16:02	0.5	0.5
460	10/1/2015 16:03	0.5	0.5
461	10/1/2015 16:04	0.5	0.5
462	10/1/2015 16:05	0.5	0.5
463	10/1/2015 16:06	0.5	0.5
464	10/1/2015 16:07	0.5	0.5
465	10/1/2015 16:08	0.5	0.5
466	10/1/2015 16:09	0.5	0.5
467	10/1/2015 16:10	0.5	0.5
468	10/1/2015 16:11	0.5	0.5
469	10/1/2015 16:12	0.5	0.5
470	10/1/2015 16:13	0.5	0.5
471	10/1/2015 16:14	0.5	0.5
472	10/1/2015 16:15	0.5	0.5
473	10/1/2015 16:16	0.5	0.5
474	10/1/2015 16:17	0.5	0.5
475	10/1/2015 16:18	0.5	0.5
476	10/1/2015 16:19	0.5	0.5
477	10/1/2015 16:20	0.5	0.5
478	10/1/2015 16:21	0.5	0.5
479	10/1/2015 16:22	0.5	0.5
480	10/1/2015 16:23	0.5	0.5
481	10/1/2015 16:24	0.5	0.5
482	10/1/2015 16:25	0.5	0.5
483	10/1/2015 16:26	0.5	0.5
484	10/1/2015 16:27	0.5	0.5
485	10/1/2015 16:28	0.5	0.5
486	10/1/2015 16:29	0.5	0.5
487	10/1/2015 16:30	0.5	0.5

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
443	10/1/2015 15:46	0.4	0.4
444	10/1/2015 15:47	0.4	0.4
445	10/1/2015 15:48	0.4	0.4
446	10/1/2015 15:49	0.4	0.4
447	10/1/2015 15:50	0.4	0.4
448	10/1/2015 15:51	0.4	0.4
449	10/1/2015 15:52	0.4	0.4
450	10/1/2015 15:53	0.4	0.4
451	10/1/2015 15:54	0.4	0.4
452	10/1/2015 15:55	0.4	0.4
453	10/1/2015 15:56	0.4	0.4
454	10/1/2015 15:57	0.4	0.4
455	10/1/2015 15:58	0.4	0.4
456	10/1/2015 15:59	0.4	0.4
457	10/1/2015 16:00	0.4	0.4
458	10/1/2015 16:01	0.4	0.4
459	10/1/2015 16:02	0.4	0.4
460	10/1/2015 16:03	0.4	0.4
461	10/1/2015 16:04	0.4	0.4
462	10/1/2015 16:05	0.4	0.4
463	10/1/2015 16:06	0.4	0.4
464	10/1/2015 16:07	0.4	0.4
465	10/1/2015 16:08	0.4	0.4
466	10/1/2015 16:09	0.4	0.4
467	10/1/2015 16:10	0.4	0.4
468	10/1/2015 16:11	0.4	0.4
469	10/1/2015 16:12	0.4	0.4
470	10/1/2015 16:13	0.4	0.4
471	10/1/2015 16:14	0.4	0.4
472	10/1/2015 16:15	0.4	0.4
473	10/1/2015 16:16	0.4	0.4
474	10/1/2015 16:17	0.4	0.4
475	10/1/2015 16:18	0.4	0.4
476	10/1/2015 16:19	0.4	0.4
477	10/1/2015 16:20	0.4	0.4
478	10/1/2015 16:21	0.4	0.4
479	10/1/2015 16:22	0.4	0.4
480	10/1/2015 16:23	0.4	0.4
481	10/1/2015 16:24		0.4
482	10/1/2015 16:25		0.4
483	10/1/2015 16:26		0.4
484	10/1/2015 16:27		0.4
485	10/1/2015 16:28		0.4
486	10/1/2015 16:29		0.4
487	10/1/2015 16:30		0.4

Upwind PM-10 Data Summary		
Maximum	0.205	mg/m^3
Minimum	0.003	mg/m^3
Average	0.010	mg/m^3
Maximum 15-Minute Average	0.026	mg/m^3

Downwind PM-10 Data Summary		
Maximum	0.556	mg/m^3
Minimum	0.000	mg/m^3
Average	0.034	mg/m^3
Maximum 15-Minute Average	0.114	mg/m^3

Thursday, October 1, 2015
HRPC - IRM - AOC-1
Upwind DustTrak

Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
1	10/1/2015 8:24		
2	10/1/2015 8:25		
3	10/1/2015 8:26		
4	10/1/2015 8:27		
5	10/1/2015 8:28		
6	10/1/2015 8:29		
7	10/1/2015 8:30		
8	10/1/2015 8:31		
9	10/1/2015 8:32		
10	10/1/2015 8:33	0.008	
11	10/1/2015 8:34	0.007	
12	10/1/2015 8:35	0.007	
13	10/1/2015 8:36	0.007	
14	10/1/2015 8:37	0.007	
15	10/1/2015 8:38	0.007	0.007
16	10/1/2015 8:39	0.007	0.007
17	10/1/2015 8:40	0.007	0.007
18	10/1/2015 8:41	0.007	0.007
19	10/1/2015 8:42	0.006	0.007
20	10/1/2015 8:43	0.006	0.007
21	10/1/2015 8:44	0.006	0.007
22	10/1/2015 8:45	0.006	0.007
23	10/1/2015 8:46	0.007	0.007
24	10/1/2015 8:47	0.006	0.007
25	10/1/2015 8:48	0.013	0.007
26	10/1/2015 8:49	0.017	0.008
27	10/1/2015 8:50	0.007	0.008
28	10/1/2015 8:51	0.009	0.008
29	10/1/2015 8:52	0.006	0.008
30	10/1/2015 8:53	0.006	0.008
31	10/1/2015 8:54	0.006	0.008
32	10/1/2015 8:55	0.006	0.008
33	10/1/2015 8:56	0.007	0.008
34	10/1/2015 8:57	0.012	0.008
35	10/1/2015 8:58	0.011	0.008
36	10/1/2015 8:59	0.010	0.009
37	10/1/2015 9:00	0.006	0.009
38	10/1/2015 9:01	0.022	0.010
39	10/1/2015 9:02	0.017	0.010
40	10/1/2015 9:03	0.006	0.010
41	10/1/2015 9:04	0.006	0.009

Thursday, October 1, 2015
HRPC - IRM - AOC-1
Downwind DustTrak

Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
1	10/1/2015 8:24	0.015	
2	10/1/2015 8:25	0.008	
3	10/1/2015 8:26	0.008	
4	10/1/2015 8:27	0.008	
5	10/1/2015 8:28	0.011	
6	10/1/2015 8:29	0.007	
7	10/1/2015 8:30	0.008	
8	10/1/2015 8:31	0.007	
9	10/1/2015 8:32	0.008	
10	10/1/2015 8:33	0.007	
11	10/1/2015 8:34	0.009	
12	10/1/2015 8:35	0.008	
13	10/1/2015 8:36	0.006	
14	10/1/2015 8:37	0.007	
15	10/1/2015 8:38	0.007	0.008
16	10/1/2015 8:39	0.007	0.008
17	10/1/2015 8:40	0.007	0.008
18	10/1/2015 8:41	0.006	0.008
19	10/1/2015 8:42	0.006	0.007
20	10/1/2015 8:43	0.007	0.007
21	10/1/2015 8:44	0.006	0.007
22	10/1/2015 8:45	0.007	0.007
23	10/1/2015 8:46	0.006	0.007
24	10/1/2015 8:47	0.007	0.007
25	10/1/2015 8:48	0.009	0.007
26	10/1/2015 8:49	0.007	0.007
27	10/1/2015 8:50	0.005	0.007
28	10/1/2015 8:51	0.006	0.007
29	10/1/2015 8:52	0.005	0.007
30	10/1/2015 8:53	0.005	0.006
31	10/1/2015 8:54	0.004	0.006
32	10/1/2015 8:55	0.005	0.006
33	10/1/2015 8:56	0.005	0.006
34	10/1/2015 8:57	0.005	0.006
35	10/1/2015 8:58	0.004	0.006
36	10/1/2015 8:59	0.005	0.006
37	10/1/2015 9:00	0.005	0.006
38	10/1/2015 9:01	0.005	0.005
39	10/1/2015 9:02	0.004	0.005
40	10/1/2015 9:03	0.004	0.005
41	10/1/2015 9:04	0.004	0.005

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
42	10/1/2015 9:05	0.014	0.010
43	10/1/2015 9:06	0.009	0.010
44	10/1/2015 9:07	0.011	0.010
45	10/1/2015 9:08	0.006	0.010
46	10/1/2015 9:09	0.006	0.010
47	10/1/2015 9:10	0.008	0.010
48	10/1/2015 9:11	0.014	0.011
49	10/1/2015 9:12	0.007	0.010
50	10/1/2015 9:13	0.008	0.010
51	10/1/2015 9:14	0.007	0.010
52	10/1/2015 9:15	0.008	0.010
53	10/1/2015 9:16	0.007	0.009
54	10/1/2015 9:17	0.005	0.008
55	10/1/2015 9:18	0.005	0.008
56	10/1/2015 9:19	0.012	0.008
57	10/1/2015 9:20	0.005	0.008
58	10/1/2015 9:21	0.006	0.008
59	10/1/2015 9:22	0.013	0.008
60	10/1/2015 9:23	0.007	0.008
61	10/1/2015 9:24	0.013	0.008
62	10/1/2015 9:25	0.006	0.008
63	10/1/2015 9:26	0.018	0.008
64	10/1/2015 9:27	0.004	0.008
65	10/1/2015 9:28	0.007	0.008
66	10/1/2015 9:29	0.016	0.009
67	10/1/2015 9:30	0.007	0.009
68	10/1/2015 9:31	0.006	0.009
69	10/1/2015 9:32	0.014	0.009
70	10/1/2015 9:33	0.012	0.010
71	10/1/2015 9:34	0.017	0.010
72	10/1/2015 9:35	0.008	0.010
73	10/1/2015 9:36	0.005	0.010
74	10/1/2015 9:37	0.004	0.010
75	10/1/2015 9:38	0.009	0.010
76	10/1/2015 9:39	0.010	0.010
77	10/1/2015 9:40	0.004	0.009
78	10/1/2015 9:41	0.012	0.009
79	10/1/2015 9:42	0.010	0.009
80	10/1/2015 9:43	0.004	0.009
81	10/1/2015 9:44	0.005	0.008
82	10/1/2015 9:45	0.013	0.009
83	10/1/2015 9:46	0.006	0.009
84	10/1/2015 9:47	0.004	0.008
85	10/1/2015 9:48	0.004	0.008
86	10/1/2015 9:49	0.004	0.007
87	10/1/2015 9:50	0.008	0.007
88	10/1/2015 9:51	0.004	0.007
89	10/1/2015 9:52	0.008	0.007
90	10/1/2015 9:53	0.007	0.007
91	10/1/2015 9:54	0.005	0.007

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
42	10/1/2015 9:05	0.005	0.005
43	10/1/2015 9:06	0.005	0.005
44	10/1/2015 9:07	0.004	0.005
45	10/1/2015 9:08	0.004	0.005
46	10/1/2015 9:09	0.003	0.004
47	10/1/2015 9:10	0.004	0.004
48	10/1/2015 9:11	0.004	0.004
49	10/1/2015 9:12	0.005	0.004
50	10/1/2015 9:13	0.004	0.004
51	10/1/2015 9:14	0.005	0.004
52	10/1/2015 9:15	0.004	0.004
53	10/1/2015 9:16	0.003	0.004
54	10/1/2015 9:17	0.004	0.004
55	10/1/2015 9:18	0.004	0.004
56	10/1/2015 9:19	0.004	0.004
57	10/1/2015 9:20	0.004	0.004
58	10/1/2015 9:21	0.002	0.004
59	10/1/2015 9:22	0.004	0.004
60	10/1/2015 9:23	0.002	0.004
61	10/1/2015 9:24	0.006	0.004
62	10/1/2015 9:25	0.003	0.004
63	10/1/2015 9:26	0.004	0.004
64	10/1/2015 9:27	0.003	0.004
65	10/1/2015 9:28	0.003	0.004
66	10/1/2015 9:29	0.006	0.004
67	10/1/2015 9:30	0.005	0.004
68	10/1/2015 9:31	0.003	0.004
69	10/1/2015 9:32	0.004	0.004
70	10/1/2015 9:33	0.005	0.004
71	10/1/2015 9:34	0.004	0.004
72	10/1/2015 9:35	0.003	0.004
73	10/1/2015 9:36	0.002	0.004
74	10/1/2015 9:37	0.006	0.004
75	10/1/2015 9:38	0.003	0.004
76	10/1/2015 9:39	0.004	0.004
77	10/1/2015 9:40	0.004	0.004
78	10/1/2015 9:41	0.004	0.004
79	10/1/2015 9:42	0.005	0.004
80	10/1/2015 9:43	0.005	0.004
81	10/1/2015 9:44	0.003	0.004
82	10/1/2015 9:45	0.006	0.004
83	10/1/2015 9:46	0.006	0.004
84	10/1/2015 9:47	0.003	0.004
85	10/1/2015 9:48	0.005	0.004
86	10/1/2015 9:49	0.003	0.004
87	10/1/2015 9:50	0.002	0.004
88	10/1/2015 9:51	0.002	0.004
89	10/1/2015 9:52	0.002	0.004
90	10/1/2015 9:53	0.002	0.004
91	10/1/2015 9:54	0.001	0.004

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
92	10/1/2015 9:55	0.005	0.007
93	10/1/2015 9:56	0.017	0.007
94	10/1/2015 9:57	0.012	0.007
95	10/1/2015 9:58	0.012	0.008
96	10/1/2015 9:59	0.120	0.015
97	10/1/2015 10:00	0.004	0.015
98	10/1/2015 10:01	0.007	0.015
99	10/1/2015 10:02	0.028	0.016
100	10/1/2015 10:03	0.004	0.016
101	10/1/2015 10:04	0.004	0.016
102	10/1/2015 10:05	0.004	0.016
103	10/1/2015 10:06	0.004	0.016
104	10/1/2015 10:07	0.004	0.016
105	10/1/2015 10:08	0.003	0.016
106	10/1/2015 10:09	0.003	0.015
107	10/1/2015 10:10	0.006	0.015
108	10/1/2015 10:11	0.059	0.018
109	10/1/2015 10:12	0.004	0.018
110	10/1/2015 10:13	0.004	0.017
111	10/1/2015 10:14	0.017	0.010
112	10/1/2015 10:15	0.015	0.011
113	10/1/2015 10:16	0.004	0.011
114	10/1/2015 10:17	0.004	0.009
115	10/1/2015 10:18	0.004	0.009
116	10/1/2015 10:19	0.004	0.009
117	10/1/2015 10:20	0.005	0.009
118	10/1/2015 10:21	0.004	0.009
119	10/1/2015 10:22	0.004	0.009
120	10/1/2015 10:23	0.004	0.009
121	10/1/2015 10:24	0.039	0.012
122	10/1/2015 10:25	0.005	0.012
123	10/1/2015 10:26	0.005	0.008
124	10/1/2015 10:27	0.004	0.008
125	10/1/2015 10:28	0.105	0.015
126	10/1/2015 10:29	0.005	0.014
127	10/1/2015 10:30	0.004	0.013
128	10/1/2015 10:31	0.004	0.013
129	10/1/2015 10:32	0.005	0.013
130	10/1/2015 10:33	0.005	0.013
131	10/1/2015 10:34	0.004	0.013
132	10/1/2015 10:35	0.004	0.013
133	10/1/2015 10:36	0.004	0.013
134	10/1/2015 10:37	0.057	0.017
135	10/1/2015 10:38	0.005	0.017
136	10/1/2015 10:39	0.005	0.015
137	10/1/2015 10:40	0.018	0.016
138	10/1/2015 10:41	0.005	0.016
139	10/1/2015 10:42	0.004	0.016
140	10/1/2015 10:43	0.004	0.009
141	10/1/2015 10:44	0.005	0.009

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
92	10/1/2015 9:55	0.001	0.003
93	10/1/2015 9:56	0.001	0.003
94	10/1/2015 9:57	0.001	0.003
95	10/1/2015 9:58	0.002	0.003
96	10/1/2015 9:59	0.004	0.003
97	10/1/2015 10:00	0.070	0.007
98	10/1/2015 10:01	0.021	0.008
99	10/1/2015 10:02	0.030	0.010
100	10/1/2015 10:03	0.023	0.011
101	10/1/2015 10:04	0.035	0.013
102	10/1/2015 10:05	0.052	0.016
103	10/1/2015 10:06	0.048	0.020
104	10/1/2015 10:07	0.047	0.023
105	10/1/2015 10:08	0.078	0.028
106	10/1/2015 10:09	0.067	0.032
107	10/1/2015 10:10	0.133	0.041
108	10/1/2015 10:11	0.045	0.044
109	10/1/2015 10:12	0.045	0.047
110	10/1/2015 10:13	0.031	0.049
111	10/1/2015 10:14	0.060	0.052
112	10/1/2015 10:15	0.084	0.053
113	10/1/2015 10:16	0.060	0.056
114	10/1/2015 10:17	0.042	0.057
115	10/1/2015 10:18	0.043	0.058
116	10/1/2015 10:19	0.010	0.056
117	10/1/2015 10:20	0.017	0.054
118	10/1/2015 10:21	0.039	0.053
119	10/1/2015 10:22	0.034	0.053
120	10/1/2015 10:23	0.229	0.063
121	10/1/2015 10:24	0.090	0.064
122	10/1/2015 10:25	0.046	0.058
123	10/1/2015 10:26	0.025	0.057
124	10/1/2015 10:27	0.018	0.055
125	10/1/2015 10:28	0.025	0.055
126	10/1/2015 10:29	0.031	0.053
127	10/1/2015 10:30	0.045	0.050
128	10/1/2015 10:31	0.017	0.047
129	10/1/2015 10:32	0.029	0.047
130	10/1/2015 10:33	0.010	0.044
131	10/1/2015 10:34	0.039	0.046
132	10/1/2015 10:35	0.047	0.048
133	10/1/2015 10:36	0.070	0.050
134	10/1/2015 10:37	0.061	0.052
135	10/1/2015 10:38	0.046	0.040
136	10/1/2015 10:39	0.025	0.036
137	10/1/2015 10:40	0.027	0.034
138	10/1/2015 10:41	0.029	0.035
139	10/1/2015 10:42	0.074	0.038
140	10/1/2015 10:43	0.029	0.039
141	10/1/2015 10:44	0.042	0.039

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
142	10/1/2015 10:45	0.012	0.009
143	10/1/2015 10:46	0.007	0.010
144	10/1/2015 10:47	0.010	0.010
145	10/1/2015 10:48	0.005	0.010
146	10/1/2015 10:49	0.004	0.010
147	10/1/2015 10:50	0.010	0.010
148	10/1/2015 10:51	0.007	0.011
149	10/1/2015 10:52	0.007	0.007
150	10/1/2015 10:53	0.006	0.007
151	10/1/2015 10:54	0.006	0.007
152	10/1/2015 10:55	0.005	0.006
153	10/1/2015 10:56	0.028	0.008
154	10/1/2015 10:57	0.030	0.010
155	10/1/2015 10:58	0.004	0.010
156	10/1/2015 10:59	0.004	0.010
157	10/1/2015 11:00	0.014	0.010
158	10/1/2015 11:01	0.009	0.010
159	10/1/2015 11:02	0.004	0.010
160	10/1/2015 11:03	0.033	0.011
161	10/1/2015 11:04	0.048	0.014
162	10/1/2015 11:05	0.026	0.015
163	10/1/2015 11:06	0.004	0.015
164	10/1/2015 11:07	0.005	0.015
165	10/1/2015 11:08	0.004	0.015
166	10/1/2015 11:09	0.049	0.018
167	10/1/2015 11:10	0.010	0.018
168	10/1/2015 11:11	0.006	0.017
169	10/1/2015 11:12	0.014	0.016
170	10/1/2015 11:13	0.005	0.016
171	10/1/2015 11:14	0.007	0.016
172	10/1/2015 11:15	0.005	0.015
173	10/1/2015 11:16	0.005	0.015
174	10/1/2015 11:17	0.005	0.015
175	10/1/2015 11:18	0.005	0.013
176	10/1/2015 11:19	0.004	0.010
177	10/1/2015 11:20	0.005	0.009
178	10/1/2015 11:21	0.007	0.009
179	10/1/2015 11:22	0.005	0.009
180	10/1/2015 11:23	0.005	0.009
181	10/1/2015 11:24	0.005	0.006
182	10/1/2015 11:25	0.013	0.006
183	10/1/2015 11:26	0.005	0.006
184	10/1/2015 11:27	0.005	0.006
185	10/1/2015 11:28	0.005	0.006
186	10/1/2015 11:29	0.005	0.006
187	10/1/2015 11:30	0.004	0.006
188	10/1/2015 11:31	0.062	0.009
189	10/1/2015 11:32	0.026	0.011
190	10/1/2015 11:33	0.005	0.011
191	10/1/2015 11:34	0.005	0.011

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
142	10/1/2015 10:45	0.009	0.037
143	10/1/2015 10:46	0.058	0.040
144	10/1/2015 10:47	0.017	0.039
145	10/1/2015 10:48	0.022	0.040
146	10/1/2015 10:49	0.067	0.042
147	10/1/2015 10:50	0.060	0.042
148	10/1/2015 10:51	0.050	0.041
149	10/1/2015 10:52	0.022	0.038
150	10/1/2015 10:53	0.111	0.043
151	10/1/2015 10:54	0.054	0.045
152	10/1/2015 10:55	0.049	0.046
153	10/1/2015 10:56	0.245	0.061
154	10/1/2015 10:57	0.041	0.058
155	10/1/2015 10:58	0.087	0.062
156	10/1/2015 10:59	0.093	0.066
157	10/1/2015 11:00	0.035	0.067
158	10/1/2015 11:01	0.059	0.067
159	10/1/2015 11:02	0.062	0.070
160	10/1/2015 11:03	0.061	0.073
161	10/1/2015 11:04	0.139	0.078
162	10/1/2015 11:05	0.091	0.080
163	10/1/2015 11:06	0.018	0.078
164	10/1/2015 11:07	0.011	0.077
165	10/1/2015 11:08	0.039	0.072
166	10/1/2015 11:09	0.081	0.074
167	10/1/2015 11:10	0.059	0.075
168	10/1/2015 11:11	0.009	0.059
169	10/1/2015 11:12	0.022	0.058
170	10/1/2015 11:13	0.042	0.055
171	10/1/2015 11:14	0.020	0.050
172	10/1/2015 11:15	0.069	0.052
173	10/1/2015 11:16	0.030	0.050
174	10/1/2015 11:17	0.052	0.050
175	10/1/2015 11:18	0.018	0.047
176	10/1/2015 11:19	0.017	0.039
177	10/1/2015 11:20	0.003	0.033
178	10/1/2015 11:21	0.024	0.033
179	10/1/2015 11:22	0.006	0.033
180	10/1/2015 11:23	0.007	0.031
181	10/1/2015 11:24	0.007	0.026
182	10/1/2015 11:25	0.010	0.022
183	10/1/2015 11:26	0.010	0.022
184	10/1/2015 11:27	0.036	0.023
185	10/1/2015 11:28	0.053	0.024
186	10/1/2015 11:29	0.175	0.034
187	10/1/2015 11:30	0.082	0.035
188	10/1/2015 11:31	0.037	0.036
189	10/1/2015 11:32	0.023	0.034
190	10/1/2015 11:33	0.049	0.036
191	10/1/2015 11:34	0.055	0.038

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
192	10/1/2015 11:35	0.004	0.011
193	10/1/2015 11:36	0.004	0.011
194	10/1/2015 11:37	0.014	0.011
195	10/1/2015 11:38	0.006	0.011
196	10/1/2015 11:39	0.005	0.011
197	10/1/2015 11:40	0.006	0.011
198	10/1/2015 11:41	0.005	0.011
199	10/1/2015 11:42	0.006	0.011
200	10/1/2015 11:43	0.004	0.011
201	10/1/2015 11:44	0.004	0.011
202	10/1/2015 11:45	0.005	0.011
203	10/1/2015 11:46	0.005	0.007
204	10/1/2015 11:47	0.007	0.006
205	10/1/2015 11:48	0.006	0.006
206	10/1/2015 11:49	0.005	0.006
207	10/1/2015 11:50	0.006	0.006
208	10/1/2015 11:51	0.008	0.006
209	10/1/2015 11:52	0.007	0.006
210	10/1/2015 11:53	0.007	0.006
211	10/1/2015 11:54	0.005	0.006
212	10/1/2015 11:55	0.006	0.006
213	10/1/2015 11:56	0.005	0.006
214	10/1/2015 11:57	0.005	0.006
215	10/1/2015 11:58	0.205	0.019
216	10/1/2015 11:59	0.005	0.019
217	10/1/2015 12:00	0.022	0.020
218	10/1/2015 12:01	0.005	0.020
219	10/1/2015 12:02	0.019	0.021
220	10/1/2015 12:03	0.009	0.021
221	10/1/2015 12:04	0.008	0.021
222	10/1/2015 12:05	0.009	0.022
223	10/1/2015 12:06	0.006	0.022
224	10/1/2015 12:07	0.008	0.022
225	10/1/2015 12:08	0.006	0.022
226	10/1/2015 12:09	0.005	0.022
227	10/1/2015 12:10	0.007	0.022
228	10/1/2015 12:11	0.053	0.025
229	10/1/2015 12:12	0.030	0.026
230	10/1/2015 12:13	0.005	0.013
231	10/1/2015 12:14	0.005	0.013
232	10/1/2015 12:15	0.005	0.012
233	10/1/2015 12:16	0.016	0.013
234	10/1/2015 12:17	0.023	0.013
235	10/1/2015 12:18	0.007	0.013
236	10/1/2015 12:19	0.005	0.013
237	10/1/2015 12:20	0.053	0.016
238	10/1/2015 12:21	0.006	0.016
239	10/1/2015 12:22	0.005	0.015
240	10/1/2015 12:23	0.004	0.015
241	10/1/2015 12:24	0.004	0.015

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
192	10/1/2015 11:35	0.128	0.047
193	10/1/2015 11:36	0.093	0.051
194	10/1/2015 11:37	0.033	0.053
195	10/1/2015 11:38	0.029	0.055
196	10/1/2015 11:39	0.014	0.055
197	10/1/2015 11:40	0.017	0.056
198	10/1/2015 11:41	0.020	0.056
199	10/1/2015 11:42	0.040	0.057
200	10/1/2015 11:43	0.075	0.058
201	10/1/2015 11:44	0.041	0.049
202	10/1/2015 11:45	0.111	0.051
203	10/1/2015 11:46	0.143	0.058
204	10/1/2015 11:47	0.052	0.060
205	10/1/2015 11:48	0.032	0.059
206	10/1/2015 11:49	0.049	0.058
207	10/1/2015 11:50	0.040	0.053
208	10/1/2015 11:51	0.080	0.052
209	10/1/2015 11:52	0.069	0.054
210	10/1/2015 11:53	0.038	0.055
211	10/1/2015 11:54	0.027	0.056
212	10/1/2015 11:55	0.040	0.057
213	10/1/2015 11:56	0.073	0.061
214	10/1/2015 11:57	0.556	0.095
215	10/1/2015 11:58	0.021	0.091
216	10/1/2015 11:59	0.020	0.090
217	10/1/2015 12:00	0.032	0.085
218	10/1/2015 12:01	0.020	0.077
219	10/1/2015 12:02	0.034	0.075
220	10/1/2015 12:03	0.033	0.075
221	10/1/2015 12:04	0.044	0.075
222	10/1/2015 12:05	0.054	0.076
223	10/1/2015 12:06	0.034	0.073
224	10/1/2015 12:07	0.072	0.073
225	10/1/2015 12:08	0.056	0.074
226	10/1/2015 12:09	0.025	0.074
227	10/1/2015 12:10	0.079	0.077
228	10/1/2015 12:11	0.031	0.074
229	10/1/2015 12:12	0.061	0.041
230	10/1/2015 12:13	0.052	0.043
231	10/1/2015 12:14	0.051	0.045
232	10/1/2015 12:15	0.044	0.046
233	10/1/2015 12:16	0.048	0.048
234	10/1/2015 12:17	0.057	0.049
235	10/1/2015 12:18	0.082	0.053
236	10/1/2015 12:19	0.092	0.056
237	10/1/2015 12:20	0.026	0.054
238	10/1/2015 12:21	0.030	0.054
239	10/1/2015 12:22	0.009	0.050
240	10/1/2015 12:23	0.003	0.046
241	10/1/2015 12:24	0.003	0.045

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
242	10/1/2015 12:25	0.010	0.015
243	10/1/2015 12:26	0.009	0.012
244	10/1/2015 12:27	0.009	0.011
245	10/1/2015 12:28	0.011	0.011
246	10/1/2015 12:29	0.011	0.012
247	10/1/2015 12:30	0.011	0.012
248	10/1/2015 12:31	0.007	0.012
249	10/1/2015 12:32	0.006	0.011
250	10/1/2015 12:33	0.010	0.011
251	10/1/2015 12:34	0.005	0.011
252	10/1/2015 12:35	0.005	0.008
253	10/1/2015 12:36	0.005	0.007
254	10/1/2015 12:37	0.005	0.007
255	10/1/2015 12:38	0.008	0.008
256	10/1/2015 12:39	0.004	0.008
257	10/1/2015 12:40	0.004	0.007
258	10/1/2015 12:41	0.005	0.007
259	10/1/2015 12:42	0.006	0.007
260	10/1/2015 12:43	0.004	0.006
261	10/1/2015 12:44	0.004	0.006
262	10/1/2015 12:45	0.004	0.005
263	10/1/2015 12:46	0.004	0.005
264	10/1/2015 12:47	0.004	0.005
265	10/1/2015 12:48	0.004	0.005
266	10/1/2015 12:49	0.004	0.005
267	10/1/2015 12:50	0.004	0.005
268	10/1/2015 12:51	0.005	0.005
269	10/1/2015 12:52	0.004	0.005
270	10/1/2015 12:53	0.004	0.004
271	10/1/2015 12:54	0.004	0.004
272	10/1/2015 12:55	0.004	0.004
273	10/1/2015 12:56	0.004	0.004
274	10/1/2015 12:57	0.005	0.004
275	10/1/2015 12:58	0.004	0.004
276	10/1/2015 12:59	0.004	0.004
277	10/1/2015 13:00	0.005	0.004
278	10/1/2015 13:01	0.004	0.004
279	10/1/2015 13:02	0.004	0.004
280	10/1/2015 13:03	0.005	0.004
281	10/1/2015 13:04	0.004	0.004
282	10/1/2015 13:05	0.004	0.004
283	10/1/2015 13:06	0.005	0.004
284	10/1/2015 13:07	0.005	0.004
285	10/1/2015 13:08	0.004	0.004
286	10/1/2015 13:09	0.005	0.004
287	10/1/2015 13:10	0.004	0.004
288	10/1/2015 13:11	0.007	0.005
289	10/1/2015 13:12	0.004	0.005
290	10/1/2015 13:13	0.005	0.005
291	10/1/2015 13:14	0.009	0.005

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
242	10/1/2015 12:25	0.003	0.039
243	10/1/2015 12:26	0.009	0.038
244	10/1/2015 12:27	0.010	0.035
245	10/1/2015 12:28	0.004	0.031
246	10/1/2015 12:29	0.007	0.028
247	10/1/2015 12:30	0.002	0.026
248	10/1/2015 12:31	0.000	0.022
249	10/1/2015 12:32	0.000	0.019
250	10/1/2015 12:33	0.000	0.013
251	10/1/2015 12:34	0.000	0.007
252	10/1/2015 12:35	0.000	0.005
253	10/1/2015 12:36	0.000	0.003
254	10/1/2015 12:37	0.000	0.003
255	10/1/2015 12:38	0.000	0.003
256	10/1/2015 12:39	0.000	0.002
257	10/1/2015 12:40	0.000	0.002
258	10/1/2015 12:41	0.000	0.002
259	10/1/2015 12:42	0.000	0.001
260	10/1/2015 12:43	0.000	0.001
261	10/1/2015 12:44	0.000	0.000
262	10/1/2015 12:45	0.000	0.000
263	10/1/2015 12:46	0.000	0.000
264	10/1/2015 12:47	0.000	0.000
265	10/1/2015 12:48	0.000	0.000
266	10/1/2015 12:49	0.000	0.000
267	10/1/2015 12:50	0.000	0.000
268	10/1/2015 12:51	0.000	0.000
269	10/1/2015 12:52	0.000	0.000
270	10/1/2015 12:53	0.000	0.000
271	10/1/2015 12:54	0.000	0.000
272	10/1/2015 12:55	0.000	0.000
273	10/1/2015 12:56	0.000	0.000
274	10/1/2015 12:57	0.000	0.000
275	10/1/2015 12:58	0.000	0.000
276	10/1/2015 12:59	0.000	0.000
277	10/1/2015 13:00	0.000	0.000
278	10/1/2015 13:01	0.000	0.000
279	10/1/2015 13:02	0.000	0.000
280	10/1/2015 13:03	0.000	0.000
281	10/1/2015 13:04	0.000	0.000
282	10/1/2015 13:05	0.000	0.000
283	10/1/2015 13:06	0.000	0.000
284	10/1/2015 13:07	0.000	0.000
285	10/1/2015 13:08	0.000	0.000
286	10/1/2015 13:09	0.000	0.000
287	10/1/2015 13:10	0.000	0.000
288	10/1/2015 13:11	0.000	0.000
289	10/1/2015 13:12	0.000	0.000
290	10/1/2015 13:13	0.001	0.000
291	10/1/2015 13:14	0.000	0.000

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
292	10/1/2015 13:15	0.005	0.005
293	10/1/2015 13:16	0.004	0.005
294	10/1/2015 13:17	0.005	0.005
295	10/1/2015 13:18	0.005	0.005
296	10/1/2015 13:19	0.004	0.005
297	10/1/2015 13:20	0.004	0.005
298	10/1/2015 13:21	0.004	0.005
299	10/1/2015 13:22	0.004	0.005
300	10/1/2015 13:23	0.004	0.005
301	10/1/2015 13:24	0.004	0.005
302	10/1/2015 13:25	0.004	0.005
303	10/1/2015 13:26	0.004	0.005
304	10/1/2015 13:27	0.004	0.005
305	10/1/2015 13:28	0.004	0.005
306	10/1/2015 13:29	0.004	0.004
307	10/1/2015 13:30	0.005	0.004
308	10/1/2015 13:31	0.008	0.004
309	10/1/2015 13:32	0.004	0.004
310	10/1/2015 13:33	0.005	0.004
311	10/1/2015 13:34	0.005	0.004
312	10/1/2015 13:35	0.004	0.004
313	10/1/2015 13:36	0.007	0.005
314	10/1/2015 13:37	0.007	0.005
315	10/1/2015 13:38	0.007	0.005
316	10/1/2015 13:39	0.008	0.005
317	10/1/2015 13:40	0.005	0.005
318	10/1/2015 13:41	0.014	0.006
319	10/1/2015 13:42	0.004	0.006
320	10/1/2015 13:43	0.005	0.006
321	10/1/2015 13:44	0.005	0.006
322	10/1/2015 13:45	0.008	0.006
323	10/1/2015 13:46	0.004	0.006
324	10/1/2015 13:47	0.004	0.006
325	10/1/2015 13:48	0.005	0.006
326	10/1/2015 13:49	0.006	0.006
327	10/1/2015 13:50	0.004	0.006
328	10/1/2015 13:51	0.005	0.006
329	10/1/2015 13:52	0.005	0.006
330	10/1/2015 13:53	0.005	0.006
331	10/1/2015 13:54	0.004	0.006
332	10/1/2015 13:55	0.005	0.006
333	10/1/2015 13:56	0.005	0.005
334	10/1/2015 13:57	0.030	0.007
335	10/1/2015 13:58	0.012	0.007
336	10/1/2015 13:59	0.004	0.007
337	10/1/2015 14:00	0.004	0.007
338	10/1/2015 14:01	0.004	0.007
339	10/1/2015 14:02	0.016	0.008
340	10/1/2015 14:03	0.006	0.008
341	10/1/2015 14:04	0.007	0.008

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
292	10/1/2015 13:15	0.000	0.000
293	10/1/2015 13:16	0.000	0.000
294	10/1/2015 13:17	0.000	0.000
295	10/1/2015 13:18	0.000	0.000
296	10/1/2015 13:19	0.000	0.000
297	10/1/2015 13:20	0.000	0.000
298	10/1/2015 13:21	0.000	0.000
299	10/1/2015 13:22	0.000	0.000
300	10/1/2015 13:23	0.000	0.000
301	10/1/2015 13:24	0.000	0.000
302	10/1/2015 13:25	0.000	0.000
303	10/1/2015 13:26	0.000	0.000
304	10/1/2015 13:27	0.000	0.000
305	10/1/2015 13:28	0.000	0.000
306	10/1/2015 13:29	0.000	0.000
307	10/1/2015 13:30	0.000	0.000
308	10/1/2015 13:31	0.000	0.000
309	10/1/2015 13:32	0.000	0.000
310	10/1/2015 13:33	0.000	0.000
311	10/1/2015 13:34	0.000	0.000
312	10/1/2015 13:35	0.000	0.000
313	10/1/2015 13:36	0.000	0.000
314	10/1/2015 13:37	0.000	0.000
315	10/1/2015 13:38	0.000	0.000
316	10/1/2015 13:39	0.000	0.000
317	10/1/2015 13:40	0.000	0.000
318	10/1/2015 13:41	0.002	0.000
319	10/1/2015 13:42	0.023	0.002
320	10/1/2015 13:43	0.026	0.003
321	10/1/2015 13:44	0.013	0.004
322	10/1/2015 13:45	0.028	0.006
323	10/1/2015 13:46	0.017	0.007
324	10/1/2015 13:47	0.069	0.012
325	10/1/2015 13:48	0.058	0.016
326	10/1/2015 13:49	0.033	0.018
327	10/1/2015 13:50	0.039	0.021
328	10/1/2015 13:51	0.072	0.025
329	10/1/2015 13:52	0.011	0.026
330	10/1/2015 13:53	0.009	0.027
331	10/1/2015 13:54	0.038	0.029
332	10/1/2015 13:55	0.040	0.032
333	10/1/2015 13:56	0.140	0.041
334	10/1/2015 13:57	0.034	0.042
335	10/1/2015 13:58	0.030	0.042
336	10/1/2015 13:59	0.065	0.046
337	10/1/2015 14:00	0.024	0.045
338	10/1/2015 14:01	0.015	0.045
339	10/1/2015 14:02	0.032	0.043
340	10/1/2015 14:03	0.016	0.040
341	10/1/2015 14:04	0.030	0.040

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
342	10/1/2015 14:05	0.006	0.008
343	10/1/2015 14:06	0.007	0.008
344	10/1/2015 14:07	0.006	0.008
345	10/1/2015 14:08	0.011	0.008
346	10/1/2015 14:09	0.007	0.009
347	10/1/2015 14:10	0.010	0.009
348	10/1/2015 14:11	0.007	0.009
349	10/1/2015 14:12	0.007	0.008
350	10/1/2015 14:13	0.004	0.007
351	10/1/2015 14:14	0.005	0.007
352	10/1/2015 14:15	0.004	0.007
353	10/1/2015 14:16	0.005	0.007
354	10/1/2015 14:17	0.011	0.007
355	10/1/2015 14:18	0.006	0.007
356	10/1/2015 14:19	0.149	0.016
357	10/1/2015 14:20	0.004	0.016
358	10/1/2015 14:21	0.006	0.016
359	10/1/2015 14:22	0.006	0.016
360	10/1/2015 14:23	0.054	0.019
361	10/1/2015 14:24	0.014	0.019
362	10/1/2015 14:25	0.006	0.019
363	10/1/2015 14:26	0.004	0.019
364	10/1/2015 14:27	0.037	0.021
365	10/1/2015 14:28	0.005	0.021
366	10/1/2015 14:29	0.006	0.021
367	10/1/2015 14:30	0.004	0.021
368	10/1/2015 14:31	0.006	0.021
369	10/1/2015 14:32	0.005	0.021
370	10/1/2015 14:33	0.005	0.021
371	10/1/2015 14:34	0.005	0.011
372	10/1/2015 14:35	0.006	0.011
373	10/1/2015 14:36	0.005	0.011
374	10/1/2015 14:37	0.007	0.011
375	10/1/2015 14:38	0.006	0.008
376	10/1/2015 14:39	0.007	0.008
377	10/1/2015 14:40	0.007	0.008
378	10/1/2015 14:41	0.004	0.008
379	10/1/2015 14:42	0.006	0.006
380	10/1/2015 14:43	0.005	0.006
381	10/1/2015 14:44	0.005	0.006
382	10/1/2015 14:45	0.005	0.006
383	10/1/2015 14:46	0.013	0.006
384	10/1/2015 14:47	0.005	0.006
385	10/1/2015 14:48	0.005	0.006
386	10/1/2015 14:49	0.006	0.006
387	10/1/2015 14:50	0.021	0.007
388	10/1/2015 14:51	0.005	0.007
389	10/1/2015 14:52	0.006	0.007
390	10/1/2015 14:53	0.005	0.007
391	10/1/2015 14:54	0.005	0.007

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
342	10/1/2015 14:05	0.042	0.040
343	10/1/2015 14:06	0.026	0.037
344	10/1/2015 14:07	0.037	0.039
345	10/1/2015 14:08	0.060	0.042
346	10/1/2015 14:09	0.010	0.040
347	10/1/2015 14:10	0.002	0.038
348	10/1/2015 14:11	0.065	0.033
349	10/1/2015 14:12	0.021	0.032
350	10/1/2015 14:13	0.006	0.030
351	10/1/2015 14:14	0.073	0.031
352	10/1/2015 14:15	0.028	0.031
353	10/1/2015 14:16	0.033	0.032
354	10/1/2015 14:17	0.020	0.031
355	10/1/2015 14:18	0.084	0.036
356	10/1/2015 14:19	0.074	0.039
357	10/1/2015 14:20	0.025	0.038
358	10/1/2015 14:21	0.021	0.037
359	10/1/2015 14:22	0.133	0.044
360	10/1/2015 14:23	0.205	0.053
361	10/1/2015 14:24	0.070	0.057
362	10/1/2015 14:25	0.037	0.060
363	10/1/2015 14:26	0.023	0.057
364	10/1/2015 14:27	0.128	0.064
365	10/1/2015 14:28	0.157	0.074
366	10/1/2015 14:29	0.143	0.079
367	10/1/2015 14:30	0.052	0.080
368	10/1/2015 14:31	0.248	0.095
369	10/1/2015 14:32	0.309	0.114
370	10/1/2015 14:33	0.033	0.111
371	10/1/2015 14:34	0.025	0.107
372	10/1/2015 14:35	0.052	0.109
373	10/1/2015 14:36	0.033	0.110
374	10/1/2015 14:37	0.115	0.109
375	10/1/2015 14:38	0.155	0.105
376	10/1/2015 14:39	0.042	0.103
377	10/1/2015 14:40	0.038	0.104
378	10/1/2015 14:41	0.060	0.106
379	10/1/2015 14:42	0.053	0.101
380	10/1/2015 14:43	0.129	0.099
381	10/1/2015 14:44	0.068	0.094
382	10/1/2015 14:45	0.078	0.096
383	10/1/2015 14:46	0.088	0.085
384	10/1/2015 14:47	0.093	0.071
385	10/1/2015 14:48	0.218	0.083
386	10/1/2015 14:49	0.071	0.086
387	10/1/2015 14:50	0.076	0.088
388	10/1/2015 14:51	0.042	0.088
389	10/1/2015 14:52	0.031	0.083
390	10/1/2015 14:53	0.073	0.077
391	10/1/2015 14:54	0.231	0.090

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
392	10/1/2015 14:55	0.007	0.007
393	10/1/2015 14:56	0.018	0.008
394	10/1/2015 14:57	0.008	0.008
395	10/1/2015 14:58	0.006	0.008
396	10/1/2015 14:59	0.008	0.008
397	10/1/2015 15:00	0.005	0.008
398	10/1/2015 15:01	0.005	0.008
399	10/1/2015 15:02	0.005	0.008
400	10/1/2015 15:03	0.007	0.008
401	10/1/2015 15:04	0.005	0.008
402	10/1/2015 15:05	0.005	0.007
403	10/1/2015 15:06	0.006	0.007
404	10/1/2015 15:07	0.006	0.007
405	10/1/2015 15:08	0.017	0.008
406	10/1/2015 15:09	0.005	0.008
407	10/1/2015 15:10	0.007	0.008
408	10/1/2015 15:11	0.006	0.007
409	10/1/2015 15:12	0.020	0.008
410	10/1/2015 15:13	0.008	0.008
411	10/1/2015 15:14	0.005	0.007
412	10/1/2015 15:15	0.008	0.008
413	10/1/2015 15:16	0.005	0.008
414	10/1/2015 15:17	0.056	0.011
415	10/1/2015 15:18	0.008	0.011
416	10/1/2015 15:19	0.013	0.012
417	10/1/2015 15:20	0.005	0.012
418	10/1/2015 15:21	0.059	0.015
419	10/1/2015 15:22	0.023	0.016
420	10/1/2015 15:23	0.005	0.016
421	10/1/2015 15:24	0.007	0.016
422	10/1/2015 15:25	0.008	0.016
423	10/1/2015 15:26	0.007	0.016
424	10/1/2015 15:27	0.007	0.015
425	10/1/2015 15:28	0.006	0.015
426	10/1/2015 15:29	0.006	0.015
427	10/1/2015 15:30	0.028	0.016
428	10/1/2015 15:31	0.025	0.018
429	10/1/2015 15:32	0.005	0.014
430	10/1/2015 15:33	0.026	0.015
431	10/1/2015 15:34	0.039	0.017
432	10/1/2015 15:35	0.009	0.017
433	10/1/2015 15:36	0.006	0.014
434	10/1/2015 15:37	0.005	0.013
435	10/1/2015 15:38	0.008	0.013
436	10/1/2015 15:39	0.006	0.013
437	10/1/2015 15:40	0.005	0.013
438	10/1/2015 15:41	0.005	0.012
439	10/1/2015 15:42	0.028	0.014
440	10/1/2015 15:43	0.036	0.016
441	10/1/2015 15:44	0.006	0.016

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
392	10/1/2015 14:55	0.044	0.090
393	10/1/2015 14:56	0.001	0.086
394	10/1/2015 14:57	0.019	0.084
395	10/1/2015 14:58	0.017	0.077
396	10/1/2015 14:59	0.064	0.076
397	10/1/2015 15:00	0.085	0.077
398	10/1/2015 15:01	0.200	0.084
399	10/1/2015 15:02	0.102	0.085
400	10/1/2015 15:03	0.057	0.074
401	10/1/2015 15:04	0.068	0.074
402	10/1/2015 15:05	0.175	0.081
403	10/1/2015 15:06	0.072	0.083
404	10/1/2015 15:07	0.106	0.088
405	10/1/2015 15:08	0.043	0.086
406	10/1/2015 15:09	0.013	0.071
407	10/1/2015 15:10	0.116	0.076
408	10/1/2015 15:11	0.097	0.082
409	10/1/2015 15:12	0.043	0.084
410	10/1/2015 15:13	0.006	0.083
411	10/1/2015 15:14	0.010	0.080
412	10/1/2015 15:15	0.004	0.074
413	10/1/2015 15:16	0.092	0.067
414	10/1/2015 15:17	0.070	0.065
415	10/1/2015 15:18	0.055	0.065
416	10/1/2015 15:19	0.002	0.060
417	10/1/2015 15:20	0.015	0.050
418	10/1/2015 15:21	0.028	0.047
419	10/1/2015 15:22	0.035	0.042
420	10/1/2015 15:23	0.060	0.043
421	10/1/2015 15:24	0.031	0.044
422	10/1/2015 15:25	0.045	0.040
423	10/1/2015 15:26	0.045	0.036
424	10/1/2015 15:27	0.048	0.036
425	10/1/2015 15:28	0.046	0.039
426	10/1/2015 15:29	0.098	0.045
427	10/1/2015 15:30	0.046	0.048
428	10/1/2015 15:31	0.021	0.043
429	10/1/2015 15:32	0.033	0.041
430	10/1/2015 15:33	0.051	0.040
431	10/1/2015 15:34	0.040	0.043
432	10/1/2015 15:35	0.051	0.045
433	10/1/2015 15:36	0.024	0.045
434	10/1/2015 15:37	0.036	0.045
435	10/1/2015 15:38	0.029	0.043
436	10/1/2015 15:39	0.028	0.043
437	10/1/2015 15:40	0.035	0.042
438	10/1/2015 15:41	0.073	0.044
439	10/1/2015 15:42	0.050	0.044
440	10/1/2015 15:43	0.045	0.044
441	10/1/2015 15:44	0.037	0.040

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
442	10/1/2015 15:45	0.005	0.014
443	10/1/2015 15:46	0.005	0.013
444	10/1/2015 15:47	0.009	0.013
445	10/1/2015 15:48	0.013	0.012
446	10/1/2015 15:49	0.006	0.010
447	10/1/2015 15:50	0.005	0.010
448	10/1/2015 15:51	0.008	0.010
449	10/1/2015 15:52	0.006	0.010
450	10/1/2015 15:53	0.006	0.010
451	10/1/2015 15:54	0.006	0.010
452	10/1/2015 15:55	0.006	0.010
453	10/1/2015 15:56	0.008	0.010
454	10/1/2015 15:57	0.007	0.009
455	10/1/2015 15:58	0.006	0.007
456	10/1/2015 15:59	0.006	0.007
457	10/1/2015 16:00	0.005	0.007
458	10/1/2015 16:01	0.006	0.007
459	10/1/2015 16:02	0.005	0.007
460	10/1/2015 16:03	0.006	0.006
461	10/1/2015 16:04	0.006	0.006
462	10/1/2015 16:05	0.011	0.007
463	10/1/2015 16:06	0.086	0.012
464	10/1/2015 16:07	0.069	0.016
465	10/1/2015 16:08	0.009	0.016
466	10/1/2015 16:09	0.005	0.016
467	10/1/2015 16:10	0.032	0.018
468	10/1/2015 16:11	0.010	0.018
469	10/1/2015 16:12	0.005	0.018
470	10/1/2015 16:13	0.005	0.018
471	10/1/2015 16:14	0.005	0.018
472	10/1/2015 16:15	0.005	0.018
473	10/1/2015 16:16	0.008	0.018
474	10/1/2015 16:17	0.005	0.018
475	10/1/2015 16:18	0.005	0.018
476	10/1/2015 16:19	0.006	0.018
477	10/1/2015 16:20	0.013	0.018
478	10/1/2015 16:21	0.005	0.012
479	10/1/2015 16:22	0.010	0.009
480	10/1/2015 16:23	0.006	0.008
481	10/1/2015 16:24	0.005	0.008
482	10/1/2015 16:25	0.005	0.007
483	10/1/2015 16:26	0.005	0.006
484	10/1/2015 16:27	0.005	0.006
485	10/1/2015 16:28	0.006	0.006
486	10/1/2015 16:29	0.018	0.007
487	10/1/2015 16:30		0.007

Thursday, October 1, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
442	10/1/2015 15:45	0.033	0.039
443	10/1/2015 15:46	0.039	0.040
444	10/1/2015 15:47	0.040	0.041
445	10/1/2015 15:48	0.008	0.038
446	10/1/2015 15:49	0.012	0.036
447	10/1/2015 15:50	0.014	0.034
448	10/1/2015 15:51	0.028	0.034
449	10/1/2015 15:52	0.013	0.032
450	10/1/2015 15:53	0.003	0.031
451	10/1/2015 15:54	0.017	0.030
452	10/1/2015 15:55	0.013	0.028
453	10/1/2015 15:56	0.023	0.025
454	10/1/2015 15:57	0.032	0.024
455	10/1/2015 15:58	0.017	0.022
456	10/1/2015 15:59	0.020	0.021
457	10/1/2015 16:00	0.018	0.020
458	10/1/2015 16:01	0.011	0.018
459	10/1/2015 16:02	0.011	0.016
460	10/1/2015 16:03	0.007	0.016
461	10/1/2015 16:04	0.011	0.016
462	10/1/2015 16:05	0.092	0.021
463	10/1/2015 16:06	0.023	0.021
464	10/1/2015 16:07	0.005	0.020
465	10/1/2015 16:08	0.036	0.022
466	10/1/2015 16:09	0.040	0.024
467	10/1/2015 16:10	0.020	0.024
468	10/1/2015 16:11	0.004	0.023
469	10/1/2015 16:12	0.003	0.021
470	10/1/2015 16:13	0.000	0.020
471	10/1/2015 16:14	0.002	0.019
472	10/1/2015 16:15	0.003	0.018
473	10/1/2015 16:16	0.001	0.017
474	10/1/2015 16:17	0.000	0.016
475	10/1/2015 16:18	0.000	0.016
476	10/1/2015 16:19	0.001	0.015
477	10/1/2015 16:20	0.014	0.010
478	10/1/2015 16:21	0.038	0.011
479	10/1/2015 16:22		0.012
480	10/1/2015 16:23		0.010
481	10/1/2015 16:24		0.007
482	10/1/2015 16:25		0.006
483	10/1/2015 16:26		0.006
484	10/1/2015 16:27		0.007
485	10/1/2015 16:28		0.007
486	10/1/2015 16:29		0.008
487	10/1/2015 16:30		0.009

Upwind VOC Data Summary		
Maximum	0.4	ppm
Minimum	0.0	ppm
Average	0.3	ppm
Maximum 15-Minute Average	0.4	ppm

Downwind VOC Data Summary		
Maximum	0.0	ppm
Minimum	0.0	ppm
Average	N/A	ppm
Maximum 15-Minute Average	0.0	ppm

Monday, October 26, 2015
HRPC - IRM - AOC-1
Upwind PID

Record	Date & Time	VOC (ppm)	15-Minute Average
1	10/26/2015 7:39	0.1	
2	10/26/2015 7:40	0.1	
3	10/26/2015 7:41	0.1	
4	10/26/2015 7:42	0.0	
5	10/26/2015 7:43	0.0	
6	10/26/2015 7:44	0.0	
7	10/26/2015 7:45	0.0	
8	10/26/2015 7:46	0.0	
9	10/26/2015 7:47	0.0	
10	10/26/2015 7:48	0.0	
11	10/26/2015 7:49	0.0	
12	10/26/2015 7:50	0.0	
13	10/26/2015 7:51	0.0	
14	10/26/2015 7:52	0.0	
15	10/26/2015 7:53	0.0	0.1
16	10/26/2015 7:54	0.1	0.0
17	10/26/2015 7:55	0.0	0.0
18	10/26/2015 7:56	0.1	0.0
19	10/26/2015 7:57	0.1	0.0
20	10/26/2015 7:58	0.1	0.0
21	10/26/2015 7:59	0.1	0.0
22	10/26/2015 8:00	0.1	0.0
23	10/26/2015 8:01	0.1	0.0
24	10/26/2015 8:02	0.1	0.0
25	10/26/2015 8:03	0.1	0.1
26	10/26/2015 8:04	0.1	0.1
27	10/26/2015 8:05	0.1	0.1
28	10/26/2015 8:06	0.1	0.1
29	10/26/2015 8:07	0.1	0.1
30	10/26/2015 8:08	0.1	0.1
31	10/26/2015 8:09	0.1	0.1
32	10/26/2015 8:10	0.1	0.1
33	10/26/2015 8:11	0.1	0.1
34	10/26/2015 8:12	0.1	0.1
35	10/26/2015 8:13	0.1	0.1
36	10/26/2015 8:14	0.1	0.1
37	10/26/2015 8:15	0.1	0.1
38	10/26/2015 8:16	0.1	0.1
39	10/26/2015 8:17	0.1	0.1
40	10/26/2015 8:18	0.1	0.1
41	10/26/2015 8:19	0.1	0.1
42	10/26/2015 8:20	0.1	0.1

Monday, October 26, 2015
HRPC - IRM - AOC-1
Downwind PID

Record	Date & Time	VOC (ppm)	15-Minute Average
1	10/26/2015 7:39	N/A	
2	10/26/2015 7:40	N/A	
3	10/26/2015 7:41	N/A	
4	10/26/2015 7:42	N/A	
5	10/26/2015 7:43	N/A	
6	10/26/2015 7:44	N/A	
7	10/26/2015 7:45	N/A	
8	10/26/2015 7:46	N/A	
9	10/26/2015 7:47	N/A	
10	10/26/2015 7:48	N/A	
11	10/26/2015 7:49	N/A	
12	10/26/2015 7:50	N/A	
13	10/26/2015 7:51	N/A	
14	10/26/2015 7:52	N/A	
15	10/26/2015 7:53	N/A	Error
16	10/26/2015 7:54	N/A	Error
17	10/26/2015 7:55	N/A	Error
18	10/26/2015 7:56	N/A	Error
19	10/26/2015 7:57	N/A	Error
20	10/26/2015 7:58	N/A	Error
21	10/26/2015 7:59	N/A	Error
22	10/26/2015 8:00	N/A	Error
23	10/26/2015 8:01	N/A	Error
24	10/26/2015 8:02	N/A	Error
25	10/26/2015 8:03	N/A	Error
26	10/26/2015 8:04	N/A	Error
27	10/26/2015 8:05	N/A	Error
28	10/26/2015 8:06	N/A	Error
29	10/26/2015 8:07	N/A	Error
30	10/26/2015 8:08	N/A	Error
31	10/26/2015 8:09	N/A	Error
32	10/26/2015 8:10	N/A	Error
33	10/26/2015 8:11	N/A	Error
34	10/26/2015 8:12	N/A	Error
35	10/26/2015 8:13	N/A	Error
36	10/26/2015 8:14	N/A	Error
37	10/26/2015 8:15	N/A	Error
38	10/26/2015 8:16	N/A	Error
39	10/26/2015 8:17	N/A	Error
40	10/26/2015 8:18	N/A	Error
41	10/26/2015 8:19	N/A	Error
42	10/26/2015 8:20	N/A	Error

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
43	10/26/2015 8:21	0.1	0.1
44	10/26/2015 8:22	0.1	0.1
45	10/26/2015 8:23	0.1	0.1
46	10/26/2015 8:24	0.1	0.1
47	10/26/2015 8:25	0.1	0.1
48	10/26/2015 8:26	0.1	0.1
49	10/26/2015 8:27	0.1	0.1
50	10/26/2015 8:28	0.1	0.1
51	10/26/2015 8:29	0.1	0.1
52	10/26/2015 8:30	0.1	0.1
53	10/26/2015 8:31	0.1	0.1
54	10/26/2015 8:32	0.1	0.1
55	10/26/2015 8:33	0.1	0.1
56	10/26/2015 8:34	0.1	0.1
57	10/26/2015 8:35	0.1	0.1
58	10/26/2015 8:36	0.1	0.1
59	10/26/2015 8:37	0.1	0.1
60	10/26/2015 8:38	0.1	0.1
61	10/26/2015 8:39	0.1	0.1
62	10/26/2015 8:40	0.1	0.1
63	10/26/2015 8:41	0.1	0.1
64	10/26/2015 8:42	0.1	0.1
65	10/26/2015 8:43	0.1	0.1
66	10/26/2015 8:44	0.1	0.1
67	10/26/2015 8:45	0.1	0.1
68	10/26/2015 8:46	0.1	0.1
69	10/26/2015 8:47	0.1	0.1
70	10/26/2015 8:48	0.2	0.1
71	10/26/2015 8:49	0.2	0.1
72	10/26/2015 8:50	0.2	0.1
73	10/26/2015 8:51	0.2	0.1
74	10/26/2015 8:52	0.2	0.1
75	10/26/2015 8:53	0.2	0.1
76	10/26/2015 8:54	0.2	0.1
77	10/26/2015 8:55	0.2	0.1
78	10/26/2015 8:56	0.2	0.2
79	10/26/2015 8:57	0.2	0.2
80	10/26/2015 8:58	0.1	0.2
81	10/26/2015 8:59	0.1	0.2
82	10/26/2015 9:00	0.1	0.2
83	10/26/2015 9:01	0.2	0.2
84	10/26/2015 9:02	0.1	0.2
85	10/26/2015 9:03	0.1	0.2
86	10/26/2015 9:04	0.1	0.2
87	10/26/2015 9:05	0.1	0.2
88	10/26/2015 9:06	0.1	0.2
89	10/26/2015 9:07	0.1	0.2
90	10/26/2015 9:08	0.1	0.2
91	10/26/2015 9:09	0.1	0.1
92	10/26/2015 9:10	0.2	0.1

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
43	10/26/2015 8:21	N/A	Error
44	10/26/2015 8:22	N/A	Error
45	10/26/2015 8:23	N/A	Error
46	10/26/2015 8:24	N/A	Error
47	10/26/2015 8:25	N/A	Error
48	10/26/2015 8:26	N/A	Error
49	10/26/2015 8:27	N/A	Error
50	10/26/2015 8:28	N/A	Error
51	10/26/2015 8:29	N/A	Error
52	10/26/2015 8:30	N/A	Error
53	10/26/2015 8:31	N/A	Error
54	10/26/2015 8:32	N/A	Error
55	10/26/2015 8:33	N/A	Error
56	10/26/2015 8:34	N/A	Error
57	10/26/2015 8:35	N/A	Error
58	10/26/2015 8:36	N/A	Error
59	10/26/2015 8:37	N/A	Error
60	10/26/2015 8:38	N/A	Error
61	10/26/2015 8:39	N/A	Error
62	10/26/2015 8:40	N/A	Error
63	10/26/2015 8:41	N/A	Error
64	10/26/2015 8:42	N/A	Error
65	10/26/2015 8:43	N/A	Error
66	10/26/2015 8:44	N/A	Error
67	10/26/2015 8:45	N/A	Error
68	10/26/2015 8:46	N/A	Error
69	10/26/2015 8:47	N/A	Error
70	10/26/2015 8:48	N/A	Error
71	10/26/2015 8:49	N/A	Error
72	10/26/2015 8:50	N/A	Error
73	10/26/2015 8:51	N/A	Error
74	10/26/2015 8:52	N/A	Error
75	10/26/2015 8:53	N/A	Error
76	10/26/2015 8:54	N/A	Error
77	10/26/2015 8:55	N/A	Error
78	10/26/2015 8:56	N/A	Error
79	10/26/2015 8:57	N/A	Error
80	10/26/2015 8:58	N/A	Error
81	10/26/2015 8:59	N/A	Error
82	10/26/2015 9:00	N/A	Error
83	10/26/2015 9:01	N/A	Error
84	10/26/2015 9:02	N/A	Error
85	10/26/2015 9:03	N/A	Error
86	10/26/2015 9:04	N/A	Error
87	10/26/2015 9:05	N/A	Error
88	10/26/2015 9:06	N/A	Error
89	10/26/2015 9:07	N/A	Error
90	10/26/2015 9:08	N/A	Error
91	10/26/2015 9:09	N/A	Error
92	10/26/2015 9:10	N/A	Error

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
93	10/26/2015 9:11	0.2	0.1
94	10/26/2015 9:12	0.2	0.1
95	10/26/2015 9:13	0.2	0.1
96	10/26/2015 9:14	0.2	0.1
97	10/26/2015 9:15	0.2	0.1
98	10/26/2015 9:16	0.2	0.1
99	10/26/2015 9:17	0.2	0.2
100	10/26/2015 9:18	0.2	0.2
101	10/26/2015 9:19	0.2	0.2
102	10/26/2015 9:20	0.2	0.2
103	10/26/2015 9:21	0.2	0.2
104	10/26/2015 9:22	0.2	0.2
105	10/26/2015 9:23	0.2	0.2
106	10/26/2015 9:24	0.2	0.2
107	10/26/2015 9:25	0.2	0.2
108	10/26/2015 9:26	0.2	0.2
109	10/26/2015 9:27	0.2	0.2
110	10/26/2015 9:28	0.2	0.2
111	10/26/2015 9:29	0.2	0.2
112	10/26/2015 9:30	0.2	0.2
113	10/26/2015 9:31	0.2	0.2
114	10/26/2015 9:32	0.2	0.2
115	10/26/2015 9:33	0.2	0.2
116	10/26/2015 9:34	0.2	0.2
117	10/26/2015 9:35	0.2	0.2
118	10/26/2015 9:36	0.2	0.2
119	10/26/2015 9:37	0.2	0.2
120	10/26/2015 9:38	0.2	0.2
121	10/26/2015 9:39	0.2	0.2
122	10/26/2015 9:40	0.2	0.2
123	10/26/2015 9:41	0.2	0.2
124	10/26/2015 9:42	0.2	0.2
125	10/26/2015 9:43	0.2	0.2
126	10/26/2015 9:44	0.2	0.2
127	10/26/2015 9:45	0.2	0.2
128	10/26/2015 9:46	0.2	0.2
129	10/26/2015 9:47	0.2	0.2
130	10/26/2015 9:48	0.2	0.2
131	10/26/2015 9:49	0.2	0.2
132	10/26/2015 9:50	0.2	0.2
133	10/26/2015 9:51	0.2	0.2
134	10/26/2015 9:52	0.2	0.2
135	10/26/2015 9:53	0.2	0.2
136	10/26/2015 9:54	0.2	0.2
137	10/26/2015 9:55	0.2	0.2
138	10/26/2015 9:56	0.2	0.2
139	10/26/2015 9:57	0.2	0.2
140	10/26/2015 9:58	0.2	0.2
141	10/26/2015 9:59	0.2	0.2
142	10/26/2015 10:00	0.2	0.2

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
93	10/26/2015 9:11	N/A	Error
94	10/26/2015 9:12	N/A	Error
95	10/26/2015 9:13	N/A	Error
96	10/26/2015 9:14	N/A	Error
97	10/26/2015 9:15	N/A	Error
98	10/26/2015 9:16	N/A	Error
99	10/26/2015 9:17	N/A	Error
100	10/26/2015 9:18	N/A	Error
101	10/26/2015 9:19	N/A	Error
102	10/26/2015 9:20	N/A	Error
103	10/26/2015 9:21	N/A	Error
104	10/26/2015 9:22	N/A	Error
105	10/26/2015 9:23	N/A	Error
106	10/26/2015 9:24	N/A	Error
107	10/26/2015 9:25	N/A	Error
108	10/26/2015 9:26	N/A	Error
109	10/26/2015 9:27	N/A	Error
110	10/26/2015 9:28	N/A	Error
111	10/26/2015 9:29	N/A	Error
112	10/26/2015 9:30	N/A	Error
113	10/26/2015 9:31	N/A	Error
114	10/26/2015 9:32	N/A	Error
115	10/26/2015 9:33	N/A	Error
116	10/26/2015 9:34	N/A	Error
117	10/26/2015 9:35	N/A	Error
118	10/26/2015 9:36	N/A	Error
119	10/26/2015 9:37	N/A	Error
120	10/26/2015 9:38	N/A	Error
121	10/26/2015 9:39	N/A	Error
122	10/26/2015 9:40	N/A	Error
123	10/26/2015 9:41	N/A	Error
124	10/26/2015 9:42	N/A	Error
125	10/26/2015 9:43	N/A	Error
126	10/26/2015 9:44	N/A	Error
127	10/26/2015 9:45	N/A	Error
128	10/26/2015 9:46	N/A	Error
129	10/26/2015 9:47	N/A	Error
130	10/26/2015 9:48	N/A	Error
131	10/26/2015 9:49	N/A	Error
132	10/26/2015 9:50	N/A	Error
133	10/26/2015 9:51	N/A	Error
134	10/26/2015 9:52	N/A	Error
135	10/26/2015 9:53	N/A	Error
136	10/26/2015 9:54	N/A	Error
137	10/26/2015 9:55	N/A	Error
138	10/26/2015 9:56	N/A	Error
139	10/26/2015 9:57	N/A	Error
140	10/26/2015 9:58	N/A	Error
141	10/26/2015 9:59	N/A	Error
142	10/26/2015 10:00	N/A	Error

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
143	10/26/2015 10:01	0.2	0.2
144	10/26/2015 10:02	0.2	0.2
145	10/26/2015 10:03	0.2	0.2
146	10/26/2015 10:04	0.2	0.2
147	10/26/2015 10:05	0.2	0.2
148	10/26/2015 10:06	0.2	0.2
149	10/26/2015 10:07	0.2	0.2
150	10/26/2015 10:08	0.2	0.2
151	10/26/2015 10:09	0.2	0.2
152	10/26/2015 10:10	0.2	0.2
153	10/26/2015 10:11	0.2	0.2
154	10/26/2015 10:12	0.2	0.2
155	10/26/2015 10:13	0.2	0.2
156	10/26/2015 10:14	0.3	0.2
157	10/26/2015 10:15	0.3	0.2
158	10/26/2015 10:16	0.3	0.2
159	10/26/2015 10:17	0.3	0.2
160	10/26/2015 10:18	0.3	0.2
161	10/26/2015 10:19	0.3	0.2
162	10/26/2015 10:20	0.3	0.2
163	10/26/2015 10:21	0.3	0.2
164	10/26/2015 10:22	0.3	0.3
165	10/26/2015 10:23	0.3	0.3
166	10/26/2015 10:24	0.3	0.3
167	10/26/2015 10:25	0.3	0.3
168	10/26/2015 10:26	0.3	0.3
169	10/26/2015 10:27	0.3	0.3
170	10/26/2015 10:28	0.3	0.3
171	10/26/2015 10:29	0.3	0.3
172	10/26/2015 10:30	0.3	0.3
173	10/26/2015 10:31	0.3	0.3
174	10/26/2015 10:32	0.3	0.3
175	10/26/2015 10:33	0.3	0.3
176	10/26/2015 10:34	0.3	0.3
177	10/26/2015 10:35	0.3	0.3
178	10/26/2015 10:36	0.3	0.3
179	10/26/2015 10:37	0.3	0.3
180	10/26/2015 10:38	0.3	0.3
181	10/26/2015 10:39	0.3	0.3
182	10/26/2015 10:40	0.3	0.3
183	10/26/2015 10:41	0.3	0.3
184	10/26/2015 10:42	0.3	0.3
185	10/26/2015 10:43	0.3	0.3
186	10/26/2015 10:44	0.3	0.3
187	10/26/2015 10:45	0.3	0.3
188	10/26/2015 10:46	0.3	0.3
189	10/26/2015 10:47	0.3	0.3
190	10/26/2015 10:48	0.3	0.3
191	10/26/2015 10:49	0.3	0.3
192	10/26/2015 10:50	0.3	0.3

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
143	10/26/2015 10:01	N/A	Error
144	10/26/2015 10:02	N/A	Error
145	10/26/2015 10:03	N/A	Error
146	10/26/2015 10:04	N/A	Error
147	10/26/2015 10:05	N/A	Error
148	10/26/2015 10:06	N/A	Error
149	10/26/2015 10:07	N/A	Error
150	10/26/2015 10:08	N/A	Error
151	10/26/2015 10:09	N/A	Error
152	10/26/2015 10:10	N/A	Error
153	10/26/2015 10:11	N/A	Error
154	10/26/2015 10:12	N/A	Error
155	10/26/2015 10:13	N/A	Error
156	10/26/2015 10:14	N/A	Error
157	10/26/2015 10:15	N/A	Error
158	10/26/2015 10:16	N/A	Error
159	10/26/2015 10:17	N/A	Error
160	10/26/2015 10:18	N/A	Error
161	10/26/2015 10:19	N/A	Error
162	10/26/2015 10:20	N/A	Error
163	10/26/2015 10:21	N/A	Error
164	10/26/2015 10:22	N/A	Error
165	10/26/2015 10:23	N/A	Error
166	10/26/2015 10:24	N/A	Error
167	10/26/2015 10:25	N/A	Error
168	10/26/2015 10:26	N/A	Error
169	10/26/2015 10:27	N/A	Error
170	10/26/2015 10:28	N/A	Error
171	10/26/2015 10:29	N/A	Error
172	10/26/2015 10:30	N/A	Error
173	10/26/2015 10:31	N/A	Error
174	10/26/2015 10:32	N/A	Error
175	10/26/2015 10:33	N/A	Error
176	10/26/2015 10:34	N/A	Error
177	10/26/2015 10:35	N/A	Error
178	10/26/2015 10:36	N/A	Error
179	10/26/2015 10:37	N/A	Error
180	10/26/2015 10:38	N/A	Error
181	10/26/2015 10:39	N/A	Error
182	10/26/2015 10:40	N/A	Error
183	10/26/2015 10:41	N/A	Error
184	10/26/2015 10:42	N/A	Error
185	10/26/2015 10:43	N/A	Error
186	10/26/2015 10:44	N/A	Error
187	10/26/2015 10:45	N/A	Error
188	10/26/2015 10:46	N/A	Error
189	10/26/2015 10:47	N/A	Error
190	10/26/2015 10:48	N/A	Error
191	10/26/2015 10:49	N/A	Error
192	10/26/2015 10:50	N/A	Error

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
193	10/26/2015 10:51	0.3	0.3
194	10/26/2015 10:52	0.3	0.3
195	10/26/2015 10:53	0.3	0.3
196	10/26/2015 10:54	0.3	0.3
197	10/26/2015 10:55	0.3	0.3
198	10/26/2015 10:56	0.3	0.3
199	10/26/2015 10:57	0.3	0.3
200	10/26/2015 10:58	0.3	0.3
201	10/26/2015 10:59	0.3	0.3
202	10/26/2015 11:00	0.3	0.3
203	10/26/2015 11:01	0.3	0.3
204	10/26/2015 11:02	0.3	0.3
205	10/26/2015 11:03	0.3	0.3
206	10/26/2015 11:04	0.3	0.3
207	10/26/2015 11:05	0.3	0.3
208	10/26/2015 11:06	0.3	0.3
209	10/26/2015 11:07	0.3	0.3
210	10/26/2015 11:08	0.3	0.3
211	10/26/2015 11:09	0.3	0.3
212	10/26/2015 11:10	0.3	0.3
213	10/26/2015 11:11	0.3	0.3
214	10/26/2015 11:12	0.4	0.3
215	10/26/2015 11:13	0.4	0.3
216	10/26/2015 11:14	0.4	0.3
217	10/26/2015 11:15	0.4	0.3
218	10/26/2015 11:16	0.4	0.3
219	10/26/2015 11:17	0.4	0.4
220	10/26/2015 11:18	0.4	0.4
221	10/26/2015 11:19	0.4	0.4
222	10/26/2015 11:20	0.4	0.4
223	10/26/2015 11:21	0.4	0.4
224	10/26/2015 11:22	0.4	0.4
225	10/26/2015 11:23	0.4	0.4
226	10/26/2015 11:24	0.4	0.4
227	10/26/2015 11:25	0.4	0.4
228	10/26/2015 11:26	0.4	0.4
229	10/26/2015 11:27	0.4	0.4
230	10/26/2015 11:28	0.4	0.4
231	10/26/2015 11:29	0.4	0.4
232	10/26/2015 11:30	0.4	0.4
233	10/26/2015 11:31	0.4	0.4
234	10/26/2015 11:32	0.4	0.4
235	10/26/2015 11:33	0.4	0.4
236	10/26/2015 11:34	0.4	0.4
237	10/26/2015 11:35	0.4	0.4
238	10/26/2015 11:36	0.4	0.4
239	10/26/2015 11:37	0.4	0.4
240	10/26/2015 11:38	0.4	0.4
241	10/26/2015 11:39	0.3	0.4
242	10/26/2015 11:40	0.3	0.4

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
193	10/26/2015 10:51	N/A	Error
194	10/26/2015 10:52	N/A	Error
195	10/26/2015 10:53	N/A	Error
196	10/26/2015 10:54	N/A	Error
197	10/26/2015 10:55	N/A	Error
198	10/26/2015 10:56	N/A	Error
199	10/26/2015 10:57	N/A	Error
200	10/26/2015 10:58	N/A	Error
201	10/26/2015 10:59	N/A	Error
202	10/26/2015 11:00	N/A	Error
203	10/26/2015 11:01	N/A	Error
204	10/26/2015 11:02	N/A	Error
205	10/26/2015 11:03	N/A	Error
206	10/26/2015 11:04	N/A	Error
207	10/26/2015 11:05	N/A	Error
208	10/26/2015 11:06	N/A	Error
209	10/26/2015 11:07	N/A	Error
210	10/26/2015 11:08	N/A	Error
211	10/26/2015 11:09	N/A	Error
212	10/26/2015 11:10	N/A	Error
213	10/26/2015 11:11	N/A	Error
214	10/26/2015 11:12	N/A	Error
215	10/26/2015 11:13	N/A	Error
216	10/26/2015 11:14	N/A	Error
217	10/26/2015 11:15	N/A	Error
218	10/26/2015 11:16	N/A	Error
219	10/26/2015 11:17	N/A	Error
220	10/26/2015 11:18	N/A	Error
221	10/26/2015 11:19	N/A	Error
222	10/26/2015 11:20	N/A	Error
223	10/26/2015 11:21	N/A	Error
224	10/26/2015 11:22	N/A	Error
225	10/26/2015 11:23	N/A	Error
226	10/26/2015 11:24	N/A	Error
227	10/26/2015 11:25	N/A	Error
228	10/26/2015 11:26	N/A	Error
229	10/26/2015 11:27	N/A	Error
230	10/26/2015 11:28	N/A	Error
231	10/26/2015 11:29	N/A	Error
232	10/26/2015 11:30	N/A	Error
233	10/26/2015 11:31	N/A	Error
234	10/26/2015 11:32	N/A	Error
235	10/26/2015 11:33	N/A	Error
236	10/26/2015 11:34	N/A	Error
237	10/26/2015 11:35	N/A	Error
238	10/26/2015 11:36	N/A	Error
239	10/26/2015 11:37	N/A	Error
240	10/26/2015 11:38	N/A	Error
241	10/26/2015 11:39	N/A	Error
242	10/26/2015 11:40	N/A	Error

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
243	10/26/2015 11:41	0.4	0.4
244	10/26/2015 11:42	0.4	0.4
245	10/26/2015 11:43	0.4	0.4
246	10/26/2015 11:44	0.4	0.4
247	10/26/2015 11:45	0.4	0.4
248	10/26/2015 11:46	0.4	0.4
249	10/26/2015 11:47	0.4	0.4
250	10/26/2015 11:48	0.4	0.4
251	10/26/2015 11:49	0.4	0.4
252	10/26/2015 11:50	0.4	0.4
253	10/26/2015 11:51	0.4	0.4
254	10/26/2015 11:52	0.4	0.4
255	10/26/2015 11:53	0.4	0.4
256	10/26/2015 11:54	0.4	0.4
257	10/26/2015 11:55	0.3	0.4
258	10/26/2015 11:56	0.3	0.4
259	10/26/2015 11:57	0.4	0.4
260	10/26/2015 11:58	0.4	0.4
261	10/26/2015 11:59	0.4	0.4
262	10/26/2015 12:00	0.4	0.4
263	10/26/2015 12:01	0.4	0.4
264	10/26/2015 12:02	0.4	0.4
265	10/26/2015 12:03	0.4	0.4
266	10/26/2015 12:04	0.3	0.4
267	10/26/2015 12:05	0.4	0.4
268	10/26/2015 12:06	0.3	0.4
269	10/26/2015 12:07	0.3	0.4
270	10/26/2015 12:08	0.3	0.4
271	10/26/2015 12:09	0.3	0.4
272	10/26/2015 12:10	0.3	0.4
273	10/26/2015 12:11	0.3	0.3
274	10/26/2015 12:12	0.3	0.3
275	10/26/2015 12:13	0.3	0.3
276	10/26/2015 12:14	0.3	0.3
277	10/26/2015 12:15	0.3	0.3
278	10/26/2015 12:16	0.3	0.3
279	10/26/2015 12:17	0.3	0.3
280	10/26/2015 12:18	0.3	0.3
281	10/26/2015 12:19	0.3	0.3
282	10/26/2015 12:20	0.3	0.3
283	10/26/2015 12:21	0.3	0.3
284	10/26/2015 12:22	0.3	0.3
285	10/26/2015 12:23	0.3	0.3
286	10/26/2015 12:24	0.3	0.3
287	10/26/2015 12:25	0.3	0.3
288	10/26/2015 12:26	0.3	0.3
289	10/26/2015 12:27	0.3	0.3
290	10/26/2015 12:28	0.3	0.3
291	10/26/2015 12:29	0.3	0.3
292	10/26/2015 12:30	0.3	0.3

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
243	10/26/2015 11:41	N/A	Error
244	10/26/2015 11:42	N/A	Error
245	10/26/2015 11:43	N/A	Error
246	10/26/2015 11:44	N/A	Error
247	10/26/2015 11:45	N/A	Error
248	10/26/2015 11:46	N/A	Error
249	10/26/2015 11:47	N/A	Error
250	10/26/2015 11:48	N/A	Error
251	10/26/2015 11:49	N/A	Error
252	10/26/2015 11:50	N/A	Error
253	10/26/2015 11:51	N/A	Error
254	10/26/2015 11:52	N/A	Error
255	10/26/2015 11:53	N/A	Error
256	10/26/2015 11:54	N/A	Error
257	10/26/2015 11:55	N/A	Error
258	10/26/2015 11:56	N/A	Error
259	10/26/2015 11:57	N/A	Error
260	10/26/2015 11:58	N/A	Error
261	10/26/2015 11:59	N/A	Error
262	10/26/2015 12:00	N/A	Error
263	10/26/2015 12:01	N/A	Error
264	10/26/2015 12:02	N/A	Error
265	10/26/2015 12:03	N/A	Error
266	10/26/2015 12:04	N/A	Error
267	10/26/2015 12:05	N/A	Error
268	10/26/2015 12:06	N/A	Error
269	10/26/2015 12:07	N/A	Error
270	10/26/2015 12:08	N/A	Error
271	10/26/2015 12:09	N/A	Error
272	10/26/2015 12:10	N/A	Error
273	10/26/2015 12:11	N/A	Error
274	10/26/2015 12:12	N/A	Error
275	10/26/2015 12:13	N/A	Error
276	10/26/2015 12:14	N/A	Error
277	10/26/2015 12:15	N/A	Error
278	10/26/2015 12:16	N/A	Error
279	10/26/2015 12:17	N/A	Error
280	10/26/2015 12:18	N/A	Error
281	10/26/2015 12:19	N/A	Error
282	10/26/2015 12:20	N/A	Error
283	10/26/2015 12:21	N/A	Error
284	10/26/2015 12:22	N/A	Error
285	10/26/2015 12:23	N/A	Error
286	10/26/2015 12:24	N/A	Error
287	10/26/2015 12:25	N/A	Error
288	10/26/2015 12:26	N/A	Error
289	10/26/2015 12:27	N/A	Error
290	10/26/2015 12:28	N/A	Error
291	10/26/2015 12:29	N/A	Error
292	10/26/2015 12:30	N/A	Error

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
293	10/26/2015 12:31	0.3	0.3
294	10/26/2015 12:32	0.3	0.3
295	10/26/2015 12:33	0.3	0.3
296	10/26/2015 12:34	0.3	0.3
297	10/26/2015 12:35	0.3	0.3
298	10/26/2015 12:36	0.3	0.3
299	10/26/2015 12:37	0.3	0.3
300	10/26/2015 12:38	0.3	0.3
301	10/26/2015 12:39	0.3	0.3
302	10/26/2015 12:40	0.3	0.3
303	10/26/2015 12:41	0.3	0.3
304	10/26/2015 12:42	0.3	0.3
305	10/26/2015 12:43	0.3	0.3
306	10/26/2015 12:44	0.3	0.3
307	10/26/2015 12:45	0.3	0.3
308	10/26/2015 12:46	0.3	0.3
309	10/26/2015 12:47	0.3	0.3
310	10/26/2015 12:48	0.4	0.3
311	10/26/2015 12:49	0.4	0.3
312	10/26/2015 12:50	0.4	0.3
313	10/26/2015 12:51	0.4	0.3
314	10/26/2015 12:52	0.4	0.3
315	10/26/2015 12:53	0.4	0.3
316	10/26/2015 12:54	0.4	0.3
317	10/26/2015 12:55	0.4	0.3
318	10/26/2015 12:56	0.4	0.3
319	10/26/2015 12:57	0.4	0.3
320	10/26/2015 12:58	0.4	0.4
321	10/26/2015 12:59	0.4	0.4
322	10/26/2015 13:00	0.3	0.4
323	10/26/2015 13:01	0.3	0.4
324	10/26/2015 13:02	0.3	0.4
325	10/26/2015 13:03	0.3	0.4
326	10/26/2015 13:04	0.3	0.3
327	10/26/2015 13:05	0.3	0.3
328	10/26/2015 13:06	0.4	0.3
329	10/26/2015 13:07	0.4	0.3
330	10/26/2015 13:08	0.4	0.4
331	10/26/2015 13:09	0.4	0.4
332	10/26/2015 13:10	0.4	0.4
333	10/26/2015 13:11	0.4	0.4
334	10/26/2015 13:12	0.4	0.4
335	10/26/2015 13:13	0.4	0.4
336	10/26/2015 13:14	0.4	0.4
337	10/26/2015 13:15	0.4	0.4
338	10/26/2015 13:16	0.4	0.4
339	10/26/2015 13:17	0.4	0.4
340	10/26/2015 13:18	0.4	0.4
341	10/26/2015 13:19	0.4	0.4
342	10/26/2015 13:20	0.4	0.4

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
293	10/26/2015 12:31	N/A	Error
294	10/26/2015 12:32	N/A	Error
295	10/26/2015 12:33	N/A	Error
296	10/26/2015 12:34	N/A	Error
297	10/26/2015 12:35	N/A	Error
298	10/26/2015 12:36	N/A	Error
299	10/26/2015 12:37	N/A	Error
300	10/26/2015 12:38	N/A	Error
301	10/26/2015 12:39	N/A	Error
302	10/26/2015 12:40	N/A	Error
303	10/26/2015 12:41	N/A	Error
304	10/26/2015 12:42	N/A	Error
305	10/26/2015 12:43	N/A	Error
306	10/26/2015 12:44	N/A	Error
307	10/26/2015 12:45	N/A	Error
308	10/26/2015 12:46	N/A	Error
309	10/26/2015 12:47	N/A	Error
310	10/26/2015 12:48	N/A	Error
311	10/26/2015 12:49	N/A	Error
312	10/26/2015 12:50	N/A	Error
313	10/26/2015 12:51	N/A	Error
314	10/26/2015 12:52	N/A	Error
315	10/26/2015 12:53	N/A	Error
316	10/26/2015 12:54	N/A	Error
317	10/26/2015 12:55	N/A	Error
318	10/26/2015 12:56	N/A	Error
319	10/26/2015 12:57	N/A	Error
320	10/26/2015 12:58	N/A	Error
321	10/26/2015 12:59	N/A	Error
322	10/26/2015 13:00	N/A	Error
323	10/26/2015 13:01	N/A	Error
324	10/26/2015 13:02	N/A	Error
325	10/26/2015 13:03	N/A	Error
326	10/26/2015 13:04	N/A	Error
327	10/26/2015 13:05	N/A	Error
328	10/26/2015 13:06	N/A	Error
329	10/26/2015 13:07	N/A	Error
330	10/26/2015 13:08	N/A	Error
331	10/26/2015 13:09	N/A	Error
332	10/26/2015 13:10	N/A	Error
333	10/26/2015 13:11	N/A	Error
334	10/26/2015 13:12	N/A	Error
335	10/26/2015 13:13	N/A	Error
336	10/26/2015 13:14	N/A	Error
337	10/26/2015 13:15	N/A	Error
338	10/26/2015 13:16	N/A	Error
339	10/26/2015 13:17	N/A	Error
340	10/26/2015 13:18	N/A	Error
341	10/26/2015 13:19	N/A	Error
342	10/26/2015 13:20	N/A	Error

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
343	10/26/2015 13:21	0.4	0.4
344	10/26/2015 13:22	0.4	0.4
345	10/26/2015 13:23	0.4	0.4
346	10/26/2015 13:24	0.4	0.4
347	10/26/2015 13:25	0.4	0.4
348	10/26/2015 13:26	0.4	0.4
349	10/26/2015 13:27	0.4	0.4
350	10/26/2015 13:28	0.4	0.4
351	10/26/2015 13:29	0.4	0.4
352	10/26/2015 13:30	0.4	0.4
353	10/26/2015 13:31	0.4	0.4
354	10/26/2015 13:32	0.4	0.4
355	10/26/2015 13:33	0.4	0.4
356	10/26/2015 13:34	0.4	0.4
357	10/26/2015 13:35	0.4	0.4
358	10/26/2015 13:36	0.4	0.4
359	10/26/2015 13:37	0.4	0.4
360	10/26/2015 13:38	0.4	0.4
361	10/26/2015 13:39	0.4	0.4
362	10/26/2015 13:40	0.4	0.4
363	10/26/2015 13:41	0.4	0.4
364	10/26/2015 13:42	0.4	0.4
365	10/26/2015 13:43	0.4	0.4
366	10/26/2015 13:44	0.4	0.4
367	10/26/2015 13:45	0.4	0.4
368	10/26/2015 13:46	0.4	0.4
369	10/26/2015 13:47	0.4	0.4
370	10/26/2015 13:48	0.4	0.4
371	10/26/2015 13:49	0.4	0.4
372	10/26/2015 13:50	0.4	0.4
373	10/26/2015 13:51	0.4	0.4
374	10/26/2015 13:52	0.4	0.4
375	10/26/2015 13:53	0.4	0.4
376	10/26/2015 13:54	0.4	0.4
377	10/26/2015 13:55	0.4	0.4
378	10/26/2015 13:56	0.4	0.4
379	10/26/2015 13:57	0.3	0.4
380	10/26/2015 13:58	0.3	0.4
381	10/26/2015 13:59	0.4	0.4
382	10/26/2015 14:00	0.4	0.4
383	10/26/2015 14:01	0.4	0.4
384	10/26/2015 14:02	0.4	0.4
385	10/26/2015 14:03	0.3	0.4
386	10/26/2015 14:04	0.4	0.4
387	10/26/2015 14:05	0.3	0.4
388	10/26/2015 14:06	0.4	0.4
389	10/26/2015 14:07	0.3	0.4
390	10/26/2015 14:08	0.3	0.3
391	10/26/2015 14:09	0.3	0.3
392	10/26/2015 14:10	0.3	0.3

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
343	10/26/2015 13:21	N/A	Error
344	10/26/2015 13:22	N/A	Error
345	10/26/2015 13:23	N/A	Error
346	10/26/2015 13:24	N/A	Error
347	10/26/2015 13:25	N/A	Error
348	10/26/2015 13:26	N/A	Error
349	10/26/2015 13:27	N/A	Error
350	10/26/2015 13:28	N/A	Error
351	10/26/2015 13:29	N/A	Error
352	10/26/2015 13:30	N/A	Error
353	10/26/2015 13:31	N/A	Error
354	10/26/2015 13:32	N/A	Error
355	10/26/2015 13:33	N/A	Error
356	10/26/2015 13:34	N/A	Error
357	10/26/2015 13:35	N/A	Error
358	10/26/2015 13:36	N/A	Error
359	10/26/2015 13:37	N/A	Error
360	10/26/2015 13:38	N/A	Error
361	10/26/2015 13:39	N/A	Error
362	10/26/2015 13:40	N/A	Error
363	10/26/2015 13:41	N/A	Error
364	10/26/2015 13:42	N/A	Error
365	10/26/2015 13:43	N/A	Error
366	10/26/2015 13:44	N/A	Error
367	10/26/2015 13:45	N/A	Error
368	10/26/2015 13:46	N/A	Error
369	10/26/2015 13:47	N/A	Error
370	10/26/2015 13:48	N/A	Error
371	10/26/2015 13:49	N/A	Error
372	10/26/2015 13:50	N/A	Error
373	10/26/2015 13:51	N/A	Error
374	10/26/2015 13:52	N/A	Error
375	10/26/2015 13:53	N/A	Error
376	10/26/2015 13:54	N/A	Error
377	10/26/2015 13:55	N/A	Error
378	10/26/2015 13:56	N/A	Error
379	10/26/2015 13:57	N/A	Error
380	10/26/2015 13:58	N/A	Error
381	10/26/2015 13:59	N/A	Error
382	10/26/2015 14:00	N/A	Error
383	10/26/2015 14:01	N/A	Error
384	10/26/2015 14:02	N/A	Error
385	10/26/2015 14:03	N/A	Error
386	10/26/2015 14:04	N/A	Error
387	10/26/2015 14:05	N/A	Error
388	10/26/2015 14:06	N/A	Error
389	10/26/2015 14:07	N/A	Error
390	10/26/2015 14:08	N/A	Error
391	10/26/2015 14:09	N/A	Error
392	10/26/2015 14:10	N/A	Error

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
393	10/26/2015 14:11	0.3	0.3
394	10/26/2015 14:12	0.3	0.3
395	10/26/2015 14:13	0.4	0.3
396	10/26/2015 14:14	0.3	0.3
397	10/26/2015 14:15	0.3	0.3
398	10/26/2015 14:16	0.3	0.3
399	10/26/2015 14:17	0.3	0.3
400	10/26/2015 14:18	0.3	0.3
401	10/26/2015 14:19	0.3	0.3
402	10/26/2015 14:20	0.3	0.3
403	10/26/2015 14:21	0.3	0.3
404	10/26/2015 14:22	0.3	0.3
405	10/26/2015 14:23	0.3	0.3
406	10/26/2015 14:24	0.3	0.3
407	10/26/2015 14:25	0.3	0.3
408	10/26/2015 14:26	0.3	0.3
409	10/26/2015 14:27	0.3	0.3
410	10/26/2015 14:28	0.3	0.3
411	10/26/2015 14:29	0.3	0.3
412	10/26/2015 14:30	0.3	0.3
413	10/26/2015 14:31	0.3	0.3
414	10/26/2015 14:32	0.3	0.3
415	10/26/2015 14:33	0.3	0.3
416	10/26/2015 14:34	0.3	0.3
417	10/26/2015 14:35	0.3	0.3
418	10/26/2015 14:36	0.3	0.3
419	10/26/2015 14:37	0.3	0.3
420	10/26/2015 14:38	0.3	0.3
421	10/26/2015 14:39	0.3	0.3
422	10/26/2015 14:40	0.3	0.3
423	10/26/2015 14:41	0.3	0.3
424	10/26/2015 14:42	0.3	0.3
425	10/26/2015 14:43	0.3	0.3
426	10/26/2015 14:44	0.3	0.3
427	10/26/2015 14:45	0.3	0.3
428	10/26/2015 14:46	0.3	0.3
429	10/26/2015 14:47	0.3	0.3
430	10/26/2015 14:48	0.3	0.3
431	10/26/2015 14:49	0.3	0.3
432	10/26/2015 14:50	0.3	0.3
433	10/26/2015 14:51	0.3	0.3
434	10/26/2015 14:52	0.3	0.3
435	10/26/2015 14:53	0.3	0.3
436	10/26/2015 14:54	0.3	0.3
437	10/26/2015 14:55	0.3	0.3
438	10/26/2015 14:56	0.3	0.3
439	10/26/2015 14:57	0.3	0.3
440	10/26/2015 14:58	0.3	0.3
441	10/26/2015 14:59	0.3	0.3
442	10/26/2015 15:00	0.3	0.3

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
393	10/26/2015 14:11	N/A	Error
394	10/26/2015 14:12	N/A	Error
395	10/26/2015 14:13	N/A	Error
396	10/26/2015 14:14	N/A	Error
397	10/26/2015 14:15	N/A	Error
398	10/26/2015 14:16	N/A	Error
399	10/26/2015 14:17	N/A	Error
400	10/26/2015 14:18	N/A	Error
401	10/26/2015 14:19	N/A	Error
402	10/26/2015 14:20	N/A	Error
403	10/26/2015 14:21	N/A	Error
404	10/26/2015 14:22	N/A	Error
405	10/26/2015 14:23	N/A	Error
406	10/26/2015 14:24	N/A	Error
407	10/26/2015 14:25	N/A	Error
408	10/26/2015 14:26	N/A	Error
409	10/26/2015 14:27	N/A	Error
410	10/26/2015 14:28	N/A	Error
411	10/26/2015 14:29	N/A	Error
412	10/26/2015 14:30	N/A	Error
413	10/26/2015 14:31	N/A	Error
414	10/26/2015 14:32	N/A	Error
415	10/26/2015 14:33	N/A	Error
416	10/26/2015 14:34	N/A	Error
417	10/26/2015 14:35	N/A	Error
418	10/26/2015 14:36	N/A	Error
419	10/26/2015 14:37	N/A	Error
420	10/26/2015 14:38	N/A	Error
421	10/26/2015 14:39	N/A	Error
422	10/26/2015 14:40	N/A	Error
423	10/26/2015 14:41	N/A	Error
424	10/26/2015 14:42	N/A	Error
425	10/26/2015 14:43	N/A	Error
426	10/26/2015 14:44	N/A	Error
427	10/26/2015 14:45	N/A	Error
428	10/26/2015 14:46	N/A	Error
429	10/26/2015 14:47	N/A	Error
430	10/26/2015 14:48	N/A	Error
431	10/26/2015 14:49	N/A	Error
432	10/26/2015 14:50	N/A	Error
433	10/26/2015 14:51	N/A	Error
434	10/26/2015 14:52	N/A	Error
435	10/26/2015 14:53	N/A	Error
436	10/26/2015 14:54	N/A	Error
437	10/26/2015 14:55	N/A	Error
438	10/26/2015 14:56	N/A	Error
439	10/26/2015 14:57	N/A	Error
440	10/26/2015 14:58	N/A	Error
441	10/26/2015 14:59	N/A	Error
442	10/26/2015 15:00	N/A	Error

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
443	10/26/2015 15:01	0.3	0.3
444	10/26/2015 15:02	0.3	0.3
445	10/26/2015 15:03	0.3	0.3
446	10/26/2015 15:04	0.3	0.3
447	10/26/2015 15:05	0.3	0.3
448	10/26/2015 15:06	0.3	0.3
449	10/26/2015 15:07	0.3	0.3
450	10/26/2015 15:08	0.3	0.3
451	10/26/2015 15:09	0.3	0.3
452	10/26/2015 15:10	0.3	0.3
453	10/26/2015 15:11	0.3	0.3
454	10/26/2015 15:12	0.3	0.3
455	10/26/2015 15:13	0.3	0.3
456	10/26/2015 15:14	0.3	0.3
457	10/26/2015 15:15	0.3	0.3
458	10/26/2015 15:16	0.3	0.3
459	10/26/2015 15:17	0.3	0.3
460	10/26/2015 15:18	0.3	0.3
461	10/26/2015 15:19	0.3	0.3
462	10/26/2015 15:20	0.3	0.3
463	10/26/2015 15:21	0.3	0.3
464	10/26/2015 15:22	0.3	0.3
465	10/26/2015 15:23	0.3	0.3
466	10/26/2015 15:24	0.3	0.3
467	10/26/2015 15:25	0.3	0.3
468	10/26/2015 15:26	0.3	0.3
469	10/26/2015 15:27	0.3	0.3
470	10/26/2015 15:28	0.3	0.3
471	10/26/2015 15:29	0.3	0.3
472	10/26/2015 15:30	0.3	0.3
473	10/26/2015 15:31	0.3	0.3
474	10/26/2015 15:32	0.3	0.3
475	10/26/2015 15:33	0.3	0.3
476	10/26/2015 15:34	0.3	0.3
477	10/26/2015 15:35	0.3	0.3
478	10/26/2015 15:36	0.3	0.3
479	10/26/2015 15:37	0.3	0.3
480	10/26/2015 15:38	0.3	0.3
481	10/26/2015 15:39	0.3	0.3
482	10/26/2015 15:40	0.3	0.3
483	10/26/2015 15:41	0.3	0.3
484	10/26/2015 15:42	0.3	0.3
485	10/26/2015 15:43	0.3	0.3
486	10/26/2015 15:44	0.3	0.3
487	10/26/2015 15:45	0.3	0.3

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
443	10/26/2015 15:01	N/A	Error
444	10/26/2015 15:02	N/A	Error
445	10/26/2015 15:03	N/A	Error
446	10/26/2015 15:04	N/A	Error
447	10/26/2015 15:05	N/A	Error
448	10/26/2015 15:06	N/A	Error
449	10/26/2015 15:07	N/A	Error
450	10/26/2015 15:08	N/A	Error
451	10/26/2015 15:09	N/A	Error
452	10/26/2015 15:10	N/A	Error
453	10/26/2015 15:11	N/A	Error
454	10/26/2015 15:12	N/A	Error
455	10/26/2015 15:13	N/A	Error
456	10/26/2015 15:14	N/A	Error
457	10/26/2015 15:15	N/A	Error
458	10/26/2015 15:16	N/A	Error
459	10/26/2015 15:17	N/A	Error
460	10/26/2015 15:18	N/A	Error
461	10/26/2015 15:19	N/A	Error
462	10/26/2015 15:20	N/A	Error
463	10/26/2015 15:21	N/A	Error
464	10/26/2015 15:22	N/A	Error
465	10/26/2015 15:23	N/A	Error
466	10/26/2015 15:24	N/A	Error
467	10/26/2015 15:25	N/A	Error
468	10/26/2015 15:26	N/A	Error
469	10/26/2015 15:27	N/A	Error
470	10/26/2015 15:28	N/A	Error
471	10/26/2015 15:29	N/A	Error
472	10/26/2015 15:30	N/A	Error
473	10/26/2015 15:31	N/A	Error
474	10/26/2015 15:32	N/A	Error
475	10/26/2015 15:33	N/A	Error
476	10/26/2015 15:34	N/A	Error
477	10/26/2015 15:35	N/A	Error
478	10/26/2015 15:36	N/A	Error
479	10/26/2015 15:37	N/A	Error
480	10/26/2015 15:38	N/A	Error
481	10/26/2015 15:39	N/A	Error
482	10/26/2015 15:40	N/A	Error
483	10/26/2015 15:41	N/A	Error
484	10/26/2015 15:42	N/A	Error
485	10/26/2015 15:43	N/A	Error
486	10/26/2015 15:44	N/A	Error
487	10/26/2015 15:45	N/A	Error

Upwind PM-10 Data Summary		
Maximum	0.353	mg/m^3
Minimum	0.002	mg/m^3
Average	0.011	mg/m^3
Maximum 15-Minute Average	0.049	mg/m^3

Downwind PM-10 Data Summary		
Maximum	0.054	mg/m^3
Minimum	-0.001	mg/m^3
Average	0.007	mg/m^3
Maximum 15-Minute Average	0.021	mg/m^3

Monday, October 26, 2015
HRPC - IRM - AOC-1
Upwind DustTrak

Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
1	10/26/2015 7:39	0.010	
2	10/26/2015 7:40	0.009	
3	10/26/2015 7:41	0.009	
4	10/26/2015 7:42	0.009	
5	10/26/2015 7:43	0.009	
6	10/26/2015 7:44	0.010	
7	10/26/2015 7:45	0.010	
8	10/26/2015 7:46	0.010	
9	10/26/2015 7:47	0.010	
10	10/26/2015 7:48	0.010	
11	10/26/2015 7:49	0.010	
12	10/26/2015 7:50	0.010	
13	10/26/2015 7:51	0.049	
14	10/26/2015 7:52	0.027	
15	10/26/2015 7:53	0.009	0.013
16	10/26/2015 7:54	0.010	0.013
17	10/26/2015 7:55	0.009	0.013
18	10/26/2015 7:56	0.009	0.013
19	10/26/2015 7:57	0.009	0.013
20	10/26/2015 7:58	0.009	0.013
21	10/26/2015 7:59	0.009	0.013
22	10/26/2015 8:00	0.009	0.013
23	10/26/2015 8:01	0.009	0.013
24	10/26/2015 8:02	0.009	0.013
25	10/26/2015 8:03	0.009	0.013
26	10/26/2015 8:04	0.009	0.013
27	10/26/2015 8:05	0.009	0.013
28	10/26/2015 8:06	0.010	0.010
29	10/26/2015 8:07	0.009	0.009
30	10/26/2015 8:08	0.009	0.009
31	10/26/2015 8:09	0.009	0.009
32	10/26/2015 8:10	0.010	0.009
33	10/26/2015 8:11	0.025	0.010
34	10/26/2015 8:12	0.043	0.012
35	10/26/2015 8:13	0.018	0.013
36	10/26/2015 8:14	0.012	0.013
37	10/26/2015 8:15	0.010	0.013
38	10/26/2015 8:16	0.013	0.014
39	10/26/2015 8:17	0.010	0.014
40	10/26/2015 8:18	0.010	0.014
41	10/26/2015 8:19	0.010	0.014

Monday, October 26, 2015
HRPC - IRM - AOC-1
Downwind DustTrak

Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
1	10/26/2015 7:39	0.007	
2	10/26/2015 7:40	0.007	
3	10/26/2015 7:41	0.012	
4	10/26/2015 7:42	0.007	
5	10/26/2015 7:43	0.007	
6	10/26/2015 7:44	0.007	
7	10/26/2015 7:45	0.010	
8	10/26/2015 7:46	0.012	
9	10/26/2015 7:47	0.011	
10	10/26/2015 7:48	0.012	
11	10/26/2015 7:49	0.013	
12	10/26/2015 7:50	0.013	
13	10/26/2015 7:51	0.011	
14	10/26/2015 7:52	0.013	
15	10/26/2015 7:53	0.012	0.010
16	10/26/2015 7:54	0.011	0.011
17	10/26/2015 7:55	0.012	0.011
18	10/26/2015 7:56	0.010	0.011
19	10/26/2015 7:57	0.011	0.011
20	10/26/2015 7:58	0.012	0.011
21	10/26/2015 7:59	0.012	0.012
22	10/26/2015 8:00	0.011	0.012
23	10/26/2015 8:01	0.010	0.012
24	10/26/2015 8:02	0.010	0.012
25	10/26/2015 8:03	0.010	0.011
26	10/26/2015 8:04	0.009	0.011
27	10/26/2015 8:05	0.010	0.011
28	10/26/2015 8:06	0.009	0.011
29	10/26/2015 8:07	0.009	0.011
30	10/26/2015 8:08	0.009	0.010
31	10/26/2015 8:09	0.009	0.010
32	10/26/2015 8:10	0.009	0.010
33	10/26/2015 8:11	0.009	0.010
34	10/26/2015 8:12	0.009	0.010
35	10/26/2015 8:13	0.009	0.010
36	10/26/2015 8:14	0.010	0.009
37	10/26/2015 8:15	0.009	0.009
38	10/26/2015 8:16	0.010	0.009
39	10/26/2015 8:17	0.009	0.009
40	10/26/2015 8:18	0.009	0.009
41	10/26/2015 8:19	0.009	0.009

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
42	10/26/2015 8:20	0.011	0.014
43	10/26/2015 8:21	0.010	0.014
44	10/26/2015 8:22	0.010	0.014
45	10/26/2015 8:23	0.010	0.014
46	10/26/2015 8:24	0.010	0.014
47	10/26/2015 8:25	0.010	0.014
48	10/26/2015 8:26	0.010	0.013
49	10/26/2015 8:27	0.010	0.011
50	10/26/2015 8:28	0.010	0.010
51	10/26/2015 8:29	0.010	0.010
52	10/26/2015 8:30	0.010	0.010
53	10/26/2015 8:31	0.010	0.010
54	10/26/2015 8:32	0.010	0.010
55	10/26/2015 8:33	0.011	0.010
56	10/26/2015 8:34	0.010	0.010
57	10/26/2015 8:35	0.010	0.010
58	10/26/2015 8:36	0.010	0.010
59	10/26/2015 8:37	0.010	0.010
60	10/26/2015 8:38	0.010	0.010
61	10/26/2015 8:39	0.011	0.010
62	10/26/2015 8:40	0.011	0.010
63	10/26/2015 8:41	0.011	0.010
64	10/26/2015 8:42	0.010	0.010
65	10/26/2015 8:43	0.010	0.010
66	10/26/2015 8:44	0.011	0.010
67	10/26/2015 8:45	0.010	0.010
68	10/26/2015 8:46	0.010	0.010
69	10/26/2015 8:47	0.010	0.010
70	10/26/2015 8:48	0.010	0.010
71	10/26/2015 8:49	0.011	0.010
72	10/26/2015 8:50	0.011	0.010
73	10/26/2015 8:51	0.011	0.010
74	10/26/2015 8:52	0.011	0.011
75	10/26/2015 8:53	0.011	0.011
76	10/26/2015 8:54	0.011	0.011
77	10/26/2015 8:55	0.012	0.011
78	10/26/2015 8:56	0.012	0.011
79	10/26/2015 8:57	0.012	0.011
80	10/26/2015 8:58	0.019	0.011
81	10/26/2015 8:59	0.017	0.012
82	10/26/2015 9:00	0.016	0.012
83	10/26/2015 9:01	0.017	0.013
84	10/26/2015 9:02	0.027	0.014
85	10/26/2015 9:03	0.015	0.014
86	10/26/2015 9:04	0.014	0.014
87	10/26/2015 9:05	0.013	0.015
88	10/26/2015 9:06	0.013	0.015
89	10/26/2015 9:07	0.016	0.015
90	10/26/2015 9:08	0.013	0.015
91	10/26/2015 9:09	0.013	0.015

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
42	10/26/2015 8:20	0.009	0.009
43	10/26/2015 8:21	0.009	0.009
44	10/26/2015 8:22	0.009	0.009
45	10/26/2015 8:23	0.009	0.009
46	10/26/2015 8:24	0.009	0.009
47	10/26/2015 8:25	0.009	0.009
48	10/26/2015 8:26	0.009	0.009
49	10/26/2015 8:27	0.009	0.009
50	10/26/2015 8:28	0.009	0.009
51	10/26/2015 8:29	0.009	0.009
52	10/26/2015 8:30	0.010	0.009
53	10/26/2015 8:31	0.010	0.009
54	10/26/2015 8:32	0.009	0.009
55	10/26/2015 8:33	0.010	0.009
56	10/26/2015 8:34	0.012	0.009
57	10/26/2015 8:35	0.009	0.009
58	10/26/2015 8:36	0.009	0.009
59	10/26/2015 8:37	0.009	0.009
60	10/26/2015 8:38	0.009	0.009
61	10/26/2015 8:39	0.009	0.009
62	10/26/2015 8:40	0.010	0.009
63	10/26/2015 8:41	0.010	0.010
64	10/26/2015 8:42	0.010	0.010
65	10/26/2015 8:43	0.009	0.010
66	10/26/2015 8:44	0.010	0.010
67	10/26/2015 8:45	0.010	0.010
68	10/26/2015 8:46	0.010	0.010
69	10/26/2015 8:47	0.010	0.010
70	10/26/2015 8:48	0.010	0.010
71	10/26/2015 8:49	0.010	0.010
72	10/26/2015 8:50	0.010	0.010
73	10/26/2015 8:51	0.010	0.010
74	10/26/2015 8:52	0.010	0.010
75	10/26/2015 8:53	0.010	0.010
76	10/26/2015 8:54	0.010	0.010
77	10/26/2015 8:55	0.010	0.010
78	10/26/2015 8:56	0.010	0.010
79	10/26/2015 8:57	0.011	0.010
80	10/26/2015 8:58	0.011	0.010
81	10/26/2015 8:59	0.013	0.010
82	10/26/2015 9:00	0.014	0.011
83	10/26/2015 9:01	0.017	0.011
84	10/26/2015 9:02	0.017	0.012
85	10/26/2015 9:03	0.018	0.012
86	10/26/2015 9:04	0.020	0.013
87	10/26/2015 9:05	0.013	0.013
88	10/26/2015 9:06	0.013	0.013
89	10/26/2015 9:07	0.013	0.013
90	10/26/2015 9:08	0.013	0.014
91	10/26/2015 9:09	0.017	0.014

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
92	10/26/2015 9:10	0.010	0.015
93	10/26/2015 9:11	0.011	0.015
94	10/26/2015 9:12	0.011	0.015
95	10/26/2015 9:13	0.046	0.017
96	10/26/2015 9:14	0.054	0.019
97	10/26/2015 9:15	0.015	0.019
98	10/26/2015 9:16	0.018	0.019
99	10/26/2015 9:17	0.012	0.018
100	10/26/2015 9:18	0.010	0.018
101	10/26/2015 9:19	0.010	0.018
102	10/26/2015 9:20	0.011	0.018
103	10/26/2015 9:21	0.010	0.017
104	10/26/2015 9:22	0.010	0.017
105	10/26/2015 9:23	0.010	0.017
106	10/26/2015 9:24	0.025	0.018
107	10/26/2015 9:25	0.017	0.018
108	10/26/2015 9:26	0.018	0.018
109	10/26/2015 9:27	0.018	0.019
110	10/26/2015 9:28	0.010	0.017
111	10/26/2015 9:29	0.011	0.014
112	10/26/2015 9:30	0.010	0.013
113	10/26/2015 9:31	0.010	0.013
114	10/26/2015 9:32	0.010	0.013
115	10/26/2015 9:33	0.010	0.013
116	10/26/2015 9:34	0.009	0.013
117	10/26/2015 9:35	0.009	0.012
118	10/26/2015 9:36	0.013	0.013
119	10/26/2015 9:37	0.022	0.013
120	10/26/2015 9:38	0.065	0.017
121	10/26/2015 9:39	0.012	0.016
122	10/26/2015 9:40	0.017	0.016
123	10/26/2015 9:41	0.011	0.016
124	10/26/2015 9:42	0.009	0.015
125	10/26/2015 9:43	0.009	0.015
126	10/26/2015 9:44	0.008	0.015
127	10/26/2015 9:45	0.008	0.015
128	10/26/2015 9:46	0.008	0.015
129	10/26/2015 9:47	0.008	0.015
130	10/26/2015 9:48	0.008	0.014
131	10/26/2015 9:49	0.009	0.014
132	10/26/2015 9:50	0.033	0.016
133	10/26/2015 9:51	0.012	0.016
134	10/26/2015 9:52	0.010	0.015
135	10/26/2015 9:53	0.008	0.011
136	10/26/2015 9:54	0.007	0.011
137	10/26/2015 9:55	0.008	0.010
138	10/26/2015 9:56	0.008	0.010
139	10/26/2015 9:57	0.134	0.019
140	10/26/2015 9:58	0.008	0.018
141	10/26/2015 9:59	0.007	0.018

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
92	10/26/2015 9:10	0.012	0.014
93	10/26/2015 9:11	0.012	0.014
94	10/26/2015 9:12	0.012	0.014
95	10/26/2015 9:13	0.011	0.014
96	10/26/2015 9:14	0.011	0.014
97	10/26/2015 9:15	0.011	0.014
98	10/26/2015 9:16	0.023	0.014
99	10/26/2015 9:17	0.024	0.015
100	10/26/2015 9:18	0.020	0.015
101	10/26/2015 9:19	0.013	0.015
102	10/26/2015 9:20	0.013	0.015
103	10/26/2015 9:21	0.011	0.014
104	10/26/2015 9:22	0.011	0.014
105	10/26/2015 9:23	0.010	0.014
106	10/26/2015 9:24	0.011	0.014
107	10/26/2015 9:25	0.011	0.014
108	10/26/2015 9:26	0.010	0.013
109	10/26/2015 9:27	0.049	0.016
110	10/26/2015 9:28	0.045	0.018
111	10/26/2015 9:29	0.035	0.020
112	10/26/2015 9:30	0.026	0.021
113	10/26/2015 9:31	0.017	0.020
114	10/26/2015 9:32	0.013	0.020
115	10/26/2015 9:33	0.013	0.019
116	10/26/2015 9:34	0.010	0.019
117	10/26/2015 9:35	0.010	0.019
118	10/26/2015 9:36	0.010	0.019
119	10/26/2015 9:37	0.010	0.019
120	10/26/2015 9:38	0.013	0.019
121	10/26/2015 9:39	0.018	0.019
122	10/26/2015 9:40	0.011	0.019
123	10/26/2015 9:41	0.010	0.019
124	10/26/2015 9:42	0.015	0.017
125	10/26/2015 9:43	0.016	0.015
126	10/26/2015 9:44	0.014	0.014
127	10/26/2015 9:45	0.012	0.013
128	10/26/2015 9:46	0.009	0.012
129	10/26/2015 9:47	0.009	0.012
130	10/26/2015 9:48	0.009	0.012
131	10/26/2015 9:49	0.009	0.012
132	10/26/2015 9:50	0.011	0.012
133	10/26/2015 9:51	0.010	0.012
134	10/26/2015 9:52	0.010	0.012
135	10/26/2015 9:53	0.014	0.012
136	10/26/2015 9:54	0.014	0.012
137	10/26/2015 9:55	0.011	0.012
138	10/26/2015 9:56	0.011	0.012
139	10/26/2015 9:57	0.011	0.011
140	10/26/2015 9:58	0.010	0.011
141	10/26/2015 9:59	0.013	0.011

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
142	10/26/2015 10:00	0.006	0.018
143	10/26/2015 10:01	0.006	0.018
144	10/26/2015 10:02	0.006	0.018
145	10/26/2015 10:03	0.006	0.018
146	10/26/2015 10:04	0.006	0.018
147	10/26/2015 10:05	0.006	0.016
148	10/26/2015 10:06	0.006	0.015
149	10/26/2015 10:07	0.005	0.015
150	10/26/2015 10:08	0.005	0.015
151	10/26/2015 10:09	0.006	0.015
152	10/26/2015 10:10	0.005	0.015
153	10/26/2015 10:11	0.005	0.014
154	10/26/2015 10:12	0.005	0.006
155	10/26/2015 10:13	0.005	0.006
156	10/26/2015 10:14	0.005	0.006
157	10/26/2015 10:15	0.006	0.006
158	10/26/2015 10:16	0.005	0.005
159	10/26/2015 10:17	0.005	0.005
160	10/26/2015 10:18	0.005	0.005
161	10/26/2015 10:19	0.005	0.005
162	10/26/2015 10:20	0.005	0.005
163	10/26/2015 10:21	0.005	0.005
164	10/26/2015 10:22	0.005	0.005
165	10/26/2015 10:23	0.005	0.005
166	10/26/2015 10:24	0.005	0.005
167	10/26/2015 10:25	0.008	0.005
168	10/26/2015 10:26	0.008	0.005
169	10/26/2015 10:27	0.006	0.006
170	10/26/2015 10:28	0.005	0.006
171	10/26/2015 10:29	0.005	0.006
172	10/26/2015 10:30	0.005	0.005
173	10/26/2015 10:31	0.005	0.005
174	10/26/2015 10:32	0.005	0.005
175	10/26/2015 10:33	0.005	0.005
176	10/26/2015 10:34	0.005	0.005
177	10/26/2015 10:35	0.005	0.005
178	10/26/2015 10:36	0.005	0.005
179	10/26/2015 10:37	0.005	0.005
180	10/26/2015 10:38	0.005	0.005
181	10/26/2015 10:39	0.018	0.006
182	10/26/2015 10:40	0.005	0.006
183	10/26/2015 10:41	0.005	0.006
184	10/26/2015 10:42	0.005	0.006
185	10/26/2015 10:43	0.005	0.006
186	10/26/2015 10:44	0.008	0.006
187	10/26/2015 10:45	0.004	0.006
188	10/26/2015 10:46	0.005	0.006
189	10/26/2015 10:47	0.004	0.006
190	10/26/2015 10:48	0.005	0.006
191	10/26/2015 10:49	0.004	0.006

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
142	10/26/2015 10:00	0.033	0.012
143	10/26/2015 10:01	0.013	0.013
144	10/26/2015 10:02	0.012	0.013
145	10/26/2015 10:03	0.009	0.013
146	10/26/2015 10:04	0.008	0.013
147	10/26/2015 10:05	0.007	0.012
148	10/26/2015 10:06	0.007	0.012
149	10/26/2015 10:07	0.007	0.012
150	10/26/2015 10:08	0.007	0.012
151	10/26/2015 10:09	0.007	0.011
152	10/26/2015 10:10	0.007	0.011
153	10/26/2015 10:11	0.007	0.011
154	10/26/2015 10:12	0.007	0.010
155	10/26/2015 10:13	0.007	0.010
156	10/26/2015 10:14	0.007	0.010
157	10/26/2015 10:15	0.017	0.009
158	10/26/2015 10:16	0.016	0.009
159	10/26/2015 10:17	0.010	0.009
160	10/26/2015 10:18	0.010	0.009
161	10/26/2015 10:19	0.007	0.009
162	10/26/2015 10:20	0.006	0.009
163	10/26/2015 10:21	0.008	0.009
164	10/26/2015 10:22	0.007	0.009
165	10/26/2015 10:23	0.007	0.009
166	10/26/2015 10:24	0.007	0.009
167	10/26/2015 10:25	0.006	0.009
168	10/26/2015 10:26	0.007	0.009
169	10/26/2015 10:27	0.007	0.009
170	10/26/2015 10:28	0.016	0.009
171	10/26/2015 10:29	0.007	0.009
172	10/26/2015 10:30	0.011	0.009
173	10/26/2015 10:31	0.006	0.008
174	10/26/2015 10:32	0.006	0.008
175	10/26/2015 10:33	0.006	0.008
176	10/26/2015 10:34	0.006	0.008
177	10/26/2015 10:35	0.006	0.008
178	10/26/2015 10:36	0.006	0.007
179	10/26/2015 10:37	0.006	0.007
180	10/26/2015 10:38	0.006	0.007
181	10/26/2015 10:39	0.006	0.007
182	10/26/2015 10:40	0.006	0.007
183	10/26/2015 10:41	0.009	0.007
184	10/26/2015 10:42	0.012	0.008
185	10/26/2015 10:43	0.018	0.008
186	10/26/2015 10:44	0.006	0.008
187	10/26/2015 10:45	0.007	0.007
188	10/26/2015 10:46	0.006	0.007
189	10/26/2015 10:47	0.006	0.007
190	10/26/2015 10:48	0.006	0.007
191	10/26/2015 10:49	0.005	0.007

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
192	10/26/2015 10:50	0.005	0.006
193	10/26/2015 10:51	0.005	0.006
194	10/26/2015 10:52	0.005	0.006
195	10/26/2015 10:53	0.005	0.006
196	10/26/2015 10:54	0.005	0.005
197	10/26/2015 10:55	0.005	0.005
198	10/26/2015 10:56	0.005	0.005
199	10/26/2015 10:57	0.005	0.005
200	10/26/2015 10:58	0.004	0.005
201	10/26/2015 10:59	0.005	0.005
202	10/26/2015 11:00	0.004	0.005
203	10/26/2015 11:01	0.004	0.005
204	10/26/2015 11:02	0.004	0.005
205	10/26/2015 11:03	0.004	0.005
206	10/26/2015 11:04	0.004	0.005
207	10/26/2015 11:05	0.004	0.005
208	10/26/2015 11:06	0.004	0.004
209	10/26/2015 11:07	0.004	0.004
210	10/26/2015 11:08	0.004	0.004
211	10/26/2015 11:09	0.004	0.004
212	10/26/2015 11:10	0.004	0.004
213	10/26/2015 11:11	0.004	0.004
214	10/26/2015 11:12	0.004	0.004
215	10/26/2015 11:13	0.004	0.004
216	10/26/2015 11:14	0.004	0.004
217	10/26/2015 11:15	0.004	0.004
218	10/26/2015 11:16	0.004	0.004
219	10/26/2015 11:17	0.004	0.004
220	10/26/2015 11:18	0.004	0.004
221	10/26/2015 11:19	0.004	0.004
222	10/26/2015 11:20	0.004	0.004
223	10/26/2015 11:21	0.004	0.004
224	10/26/2015 11:22	0.004	0.004
225	10/26/2015 11:23	0.004	0.004
226	10/26/2015 11:24	0.004	0.004
227	10/26/2015 11:25	0.004	0.004
228	10/26/2015 11:26	0.004	0.004
229	10/26/2015 11:27	0.003	0.004
230	10/26/2015 11:28	0.013	0.005
231	10/26/2015 11:29	0.018	0.005
232	10/26/2015 11:30	0.004	0.005
233	10/26/2015 11:31	0.004	0.005
234	10/26/2015 11:32	0.004	0.005
235	10/26/2015 11:33	0.004	0.005
236	10/26/2015 11:34	0.004	0.005
237	10/26/2015 11:35	0.005	0.006
238	10/26/2015 11:36	0.004	0.006
239	10/26/2015 11:37	0.004	0.006
240	10/26/2015 11:38	0.004	0.006
241	10/26/2015 11:39	0.004	0.006

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
192	10/26/2015 10:50	0.005	0.007
193	10/26/2015 10:51	0.005	0.007
194	10/26/2015 10:52	0.005	0.007
195	10/26/2015 10:53	0.006	0.007
196	10/26/2015 10:54	0.005	0.007
197	10/26/2015 10:55	0.005	0.007
198	10/26/2015 10:56	0.005	0.007
199	10/26/2015 10:57	0.005	0.006
200	10/26/2015 10:58	0.007	0.006
201	10/26/2015 10:59	0.012	0.006
202	10/26/2015 11:00	0.015	0.007
203	10/26/2015 11:01	0.017	0.007
204	10/26/2015 11:02	0.006	0.007
205	10/26/2015 11:03	0.006	0.007
206	10/26/2015 11:04	0.007	0.007
207	10/26/2015 11:05	0.005	0.007
208	10/26/2015 11:06	0.005	0.007
209	10/26/2015 11:07	0.007	0.008
210	10/26/2015 11:08	0.037	0.010
211	10/26/2015 11:09	0.020	0.011
212	10/26/2015 11:10	0.008	0.011
213	10/26/2015 11:11	0.006	0.011
214	10/26/2015 11:12	0.007	0.011
215	10/26/2015 11:13	0.007	0.011
216	10/26/2015 11:14	0.012	0.011
217	10/26/2015 11:15	0.008	0.011
218	10/26/2015 11:16	0.007	0.010
219	10/26/2015 11:17	0.012	0.010
220	10/26/2015 11:18	0.014	0.011
221	10/26/2015 11:19	0.010	0.011
222	10/26/2015 11:20	0.003	0.011
223	10/26/2015 11:21	0.003	0.011
224	10/26/2015 11:22	0.003	0.010
225	10/26/2015 11:23	0.002	0.008
226	10/26/2015 11:24	0.002	0.007
227	10/26/2015 11:25	0.006	0.007
228	10/26/2015 11:26	0.004	0.007
229	10/26/2015 11:27	0.004	0.006
230	10/26/2015 11:28	0.004	0.006
231	10/26/2015 11:29	0.004	0.006
232	10/26/2015 11:30	0.004	0.005
233	10/26/2015 11:31	0.018	0.006
234	10/26/2015 11:32	0.005	0.006
235	10/26/2015 11:33	0.005	0.005
236	10/26/2015 11:34	0.003	0.005
237	10/26/2015 11:35	0.002	0.005
238	10/26/2015 11:36	0.002	0.005
239	10/26/2015 11:37	0.002	0.004
240	10/26/2015 11:38	0.002	0.004
241	10/26/2015 11:39	0.002	0.004

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
242	10/26/2015 11:40	0.004	0.006
243	10/26/2015 11:41	0.006	0.006
244	10/26/2015 11:42	0.005	0.006
245	10/26/2015 11:43	0.007	0.005
246	10/26/2015 11:44	0.006	0.005
247	10/26/2015 11:45	0.005	0.005
248	10/26/2015 11:46	0.004	0.005
249	10/26/2015 11:47	0.004	0.005
250	10/26/2015 11:48	0.004	0.005
251	10/26/2015 11:49	0.004	0.005
252	10/26/2015 11:50	0.004	0.005
253	10/26/2015 11:51	0.353	0.028
254	10/26/2015 11:52	0.014	0.029
255	10/26/2015 11:53	0.006	0.029
256	10/26/2015 11:54	0.004	0.029
257	10/26/2015 11:55	0.004	0.029
258	10/26/2015 11:56	0.003	0.028
259	10/26/2015 11:57	0.004	0.028
260	10/26/2015 11:58	0.004	0.028
261	10/26/2015 11:59	0.004	0.028
262	10/26/2015 12:00	0.004	0.028
263	10/26/2015 12:01	0.004	0.028
264	10/26/2015 12:02	0.307	0.048
265	10/26/2015 12:03	0.016	0.049
266	10/26/2015 12:04	0.007	0.049
267	10/26/2015 12:05	0.004	0.049
268	10/26/2015 12:06	0.004	0.026
269	10/26/2015 12:07	0.006	0.025
270	10/26/2015 12:08	0.004	0.025
271	10/26/2015 12:09	0.005	0.025
272	10/26/2015 12:10	0.007	0.026
273	10/26/2015 12:11	0.008	0.026
274	10/26/2015 12:12	0.005	0.026
275	10/26/2015 12:13	0.318	0.047
276	10/26/2015 12:14	0.006	0.047
277	10/26/2015 12:15	0.004	0.047
278	10/26/2015 12:16	0.005	0.047
279	10/26/2015 12:17	0.004	0.027
280	10/26/2015 12:18	0.007	0.026
281	10/26/2015 12:19	0.005	0.026
282	10/26/2015 12:20	0.005	0.026
283	10/26/2015 12:21	0.005	0.026
284	10/26/2015 12:22	0.004	0.026
285	10/26/2015 12:23	0.004	0.026
286	10/26/2015 12:24	0.083	0.031
287	10/26/2015 12:25	0.009	0.031
288	10/26/2015 12:26	0.008	0.031
289	10/26/2015 12:27	0.005	0.031
290	10/26/2015 12:28	0.005	0.011
291	10/26/2015 12:29	0.004	0.010

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
242	10/26/2015 11:40	0.002	0.004
243	10/26/2015 11:41	0.002	0.004
244	10/26/2015 11:42	0.002	0.004
245	10/26/2015 11:43	0.008	0.004
246	10/26/2015 11:44	0.004	0.004
247	10/26/2015 11:45	0.005	0.004
248	10/26/2015 11:46	0.009	0.004
249	10/26/2015 11:47	0.002	0.003
250	10/26/2015 11:48	0.004	0.003
251	10/26/2015 11:49	0.003	0.003
252	10/26/2015 11:50	0.001	0.003
253	10/26/2015 11:51	0.001	0.003
254	10/26/2015 11:52	0.001	0.003
255	10/26/2015 11:53	0.004	0.003
256	10/26/2015 11:54	0.016	0.004
257	10/26/2015 11:55	0.003	0.004
258	10/26/2015 11:56	0.001	0.004
259	10/26/2015 11:57	0.001	0.004
260	10/26/2015 11:58	0.003	0.004
261	10/26/2015 11:59	0.002	0.004
262	10/26/2015 12:00	0.005	0.004
263	10/26/2015 12:01	0.001	0.003
264	10/26/2015 12:02	0.001	0.003
265	10/26/2015 12:03	0.001	0.003
266	10/26/2015 12:04	0.001	0.003
267	10/26/2015 12:05	0.029	0.005
268	10/26/2015 12:06	0.018	0.006
269	10/26/2015 12:07	0.007	0.006
270	10/26/2015 12:08	0.005	0.006
271	10/26/2015 12:09	0.002	0.005
272	10/26/2015 12:10	0.002	0.005
273	10/26/2015 12:11	0.001	0.005
274	10/26/2015 12:12	0.006	0.006
275	10/26/2015 12:13	0.006	0.006
276	10/26/2015 12:14	0.018	0.007
277	10/26/2015 12:15	0.004	0.007
278	10/26/2015 12:16	0.011	0.007
279	10/26/2015 12:17	0.011	0.008
280	10/26/2015 12:18	0.008	0.009
281	10/26/2015 12:19	0.003	0.009
282	10/26/2015 12:20	0.001	0.007
283	10/26/2015 12:21	0.002	0.006
284	10/26/2015 12:22	0.001	0.005
285	10/26/2015 12:23	0.000	0.005
286	10/26/2015 12:24	0.000	0.005
287	10/26/2015 12:25	0.000	0.005
288	10/26/2015 12:26	0.001	0.005
289	10/26/2015 12:27	0.003	0.005
290	10/26/2015 12:28	0.004	0.004
291	10/26/2015 12:29	0.003	0.003

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
292	10/26/2015 12:30	0.004	0.010
293	10/26/2015 12:31	0.004	0.010
294	10/26/2015 12:32	0.004	0.010
295	10/26/2015 12:33	0.004	0.010
296	10/26/2015 12:34	0.004	0.010
297	10/26/2015 12:35	0.014	0.011
298	10/26/2015 12:36	0.007	0.011
299	10/26/2015 12:37	0.004	0.011
300	10/26/2015 12:38	0.051	0.014
301	10/26/2015 12:39	0.007	0.009
302	10/26/2015 12:40	0.006	0.009
303	10/26/2015 12:41	0.004	0.008
304	10/26/2015 12:42	0.005	0.008
305	10/26/2015 12:43	0.005	0.008
306	10/26/2015 12:44	0.004	0.008
307	10/26/2015 12:45	0.004	0.008
308	10/26/2015 12:46	0.169	0.019
309	10/26/2015 12:47	0.004	0.019
310	10/26/2015 12:48	0.004	0.019
311	10/26/2015 12:49	0.047	0.022
312	10/26/2015 12:50	0.008	0.022
313	10/26/2015 12:51	0.011	0.022
314	10/26/2015 12:52	0.005	0.022
315	10/26/2015 12:53	0.004	0.019
316	10/26/2015 12:54	0.005	0.019
317	10/26/2015 12:55	0.005	0.019
318	10/26/2015 12:56	0.091	0.025
319	10/26/2015 12:57	0.094	0.031
320	10/26/2015 12:58	0.010	0.031
321	10/26/2015 12:59	0.007	0.031
322	10/26/2015 13:00	0.005	0.031
323	10/26/2015 13:01	0.005	0.020
324	10/26/2015 13:02	0.005	0.020
325	10/26/2015 13:03	0.005	0.020
326	10/26/2015 13:04	0.005	0.018
327	10/26/2015 13:05	0.004	0.017
328	10/26/2015 13:06	0.004	0.017
329	10/26/2015 13:07	0.004	0.017
330	10/26/2015 13:08	0.006	0.017
331	10/26/2015 13:09	0.004	0.017
332	10/26/2015 13:10	0.004	0.017
333	10/26/2015 13:11	0.004	0.011
334	10/26/2015 13:12	0.004	0.005
335	10/26/2015 13:13	0.004	0.005
336	10/26/2015 13:14	0.004	0.004
337	10/26/2015 13:15	0.004	0.004
338	10/26/2015 13:16	0.004	0.004
339	10/26/2015 13:17	0.004	0.004
340	10/26/2015 13:18	0.005	0.004
341	10/26/2015 13:19	0.005	0.004

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
292	10/26/2015 12:30	0.005	0.004
293	10/26/2015 12:31	0.000	0.003
294	10/26/2015 12:32	0.000	0.002
295	10/26/2015 12:33	0.000	0.002
296	10/26/2015 12:34	0.002	0.001
297	10/26/2015 12:35	0.001	0.001
298	10/26/2015 12:36	0.001	0.001
299	10/26/2015 12:37	0.003	0.002
300	10/26/2015 12:38	0.005	0.002
301	10/26/2015 12:39	0.003	0.002
302	10/26/2015 12:40	0.003	0.002
303	10/26/2015 12:41	0.000	0.002
304	10/26/2015 12:42	0.000	0.002
305	10/26/2015 12:43	0.000	0.002
306	10/26/2015 12:44	0.001	0.002
307	10/26/2015 12:45	0.000	0.001
308	10/26/2015 12:46	0.000	0.001
309	10/26/2015 12:47	0.000	0.001
310	10/26/2015 12:48	0.000	0.001
311	10/26/2015 12:49	0.001	0.001
312	10/26/2015 12:50	0.007	0.002
313	10/26/2015 12:51	0.000	0.002
314	10/26/2015 12:52	0.000	0.001
315	10/26/2015 12:53	0.001	0.001
316	10/26/2015 12:54	0.000	0.001
317	10/26/2015 12:55	0.001	0.001
318	10/26/2015 12:56	0.000	0.001
319	10/26/2015 12:57	0.000	0.001
320	10/26/2015 12:58	0.000	0.001
321	10/26/2015 12:59	0.005	0.001
322	10/26/2015 13:00	0.003	0.001
323	10/26/2015 13:01	0.000	0.001
324	10/26/2015 13:02	0.000	0.001
325	10/26/2015 13:03	-0.001	0.001
326	10/26/2015 13:04	-0.001	0.001
327	10/26/2015 13:05	-0.001	0.000
328	10/26/2015 13:06	-0.001	0.000
329	10/26/2015 13:07	-0.001	0.000
330	10/26/2015 13:08	-0.001	0.000
331	10/26/2015 13:09	0.000	0.000
332	10/26/2015 13:10	0.000	0.000
333	10/26/2015 13:11	0.000	0.000
334	10/26/2015 13:12	-0.001	0.000
335	10/26/2015 13:13	-0.001	0.000
336	10/26/2015 13:14	-0.001	0.000
337	10/26/2015 13:15	-0.001	-0.001
338	10/26/2015 13:16	-0.001	-0.001
339	10/26/2015 13:17	-0.001	-0.001
340	10/26/2015 13:18	-0.001	-0.001
341	10/26/2015 13:19	-0.001	-0.001

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
342	10/26/2015 13:20	0.006	0.004
343	10/26/2015 13:21	0.005	0.004
344	10/26/2015 13:22	0.005	0.005
345	10/26/2015 13:23	0.005	0.004
346	10/26/2015 13:24	0.005	0.005
347	10/26/2015 13:25	0.004	0.005
348	10/26/2015 13:26	0.004	0.005
349	10/26/2015 13:27	0.005	0.005
350	10/26/2015 13:28	0.004	0.005
351	10/26/2015 13:29	0.004	0.005
352	10/26/2015 13:30	0.004	0.005
353	10/26/2015 13:31	0.006	0.005
354	10/26/2015 13:32	0.005	0.005
355	10/26/2015 13:33	0.005	0.005
356	10/26/2015 13:34	0.004	0.005
357	10/26/2015 13:35	0.004	0.005
358	10/26/2015 13:36	0.004	0.005
359	10/26/2015 13:37	0.004	0.004
360	10/26/2015 13:38	0.004	0.004
361	10/26/2015 13:39	0.026	0.006
362	10/26/2015 13:40	0.013	0.006
363	10/26/2015 13:41	0.007	0.007
364	10/26/2015 13:42	0.007	0.007
365	10/26/2015 13:43	0.006	0.007
366	10/26/2015 13:44	0.005	0.007
367	10/26/2015 13:45	0.005	0.007
368	10/26/2015 13:46	0.005	0.007
369	10/26/2015 13:47	0.005	0.007
370	10/26/2015 13:48	0.007	0.007
371	10/26/2015 13:49	0.007	0.007
372	10/26/2015 13:50	0.043	0.010
373	10/26/2015 13:51	0.015	0.011
374	10/26/2015 13:52	0.009	0.011
375	10/26/2015 13:53	0.005	0.011
376	10/26/2015 13:54	0.005	0.010
377	10/26/2015 13:55	0.005	0.009
378	10/26/2015 13:56	0.005	0.009
379	10/26/2015 13:57	0.005	0.009
380	10/26/2015 13:58	0.005	0.009
381	10/26/2015 13:59	0.005	0.009
382	10/26/2015 14:00	0.005	0.009
383	10/26/2015 14:01	0.006	0.009
384	10/26/2015 14:02	0.009	0.009
385	10/26/2015 14:03	0.005	0.009
386	10/26/2015 14:04	0.006	0.009
387	10/26/2015 14:05	0.007	0.006
388	10/26/2015 14:06	0.005	0.006
389	10/26/2015 14:07	0.005	0.006
390	10/26/2015 14:08	0.022	0.007
391	10/26/2015 14:09	0.012	0.007

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
342	10/26/2015 13:20	-0.001	-0.001
343	10/26/2015 13:21	-0.001	-0.001
344	10/26/2015 13:22	-0.001	-0.001
345	10/26/2015 13:23	-0.001	-0.001
346	10/26/2015 13:24	-0.001	-0.001
347	10/26/2015 13:25	-0.001	-0.001
348	10/26/2015 13:26	-0.001	-0.001
349	10/26/2015 13:27	-0.001	-0.001
350	10/26/2015 13:28	-0.001	-0.001
351	10/26/2015 13:29	-0.001	-0.001
352	10/26/2015 13:30	-0.001	-0.001
353	10/26/2015 13:31	-0.001	-0.001
354	10/26/2015 13:32	-0.001	-0.001
355	10/26/2015 13:33	-0.001	-0.001
356	10/26/2015 13:34	-0.001	-0.001
357	10/26/2015 13:35	0.000	-0.001
358	10/26/2015 13:36	0.000	-0.001
359	10/26/2015 13:37	0.000	-0.001
360	10/26/2015 13:38	0.000	-0.001
361	10/26/2015 13:39	0.000	-0.001
362	10/26/2015 13:40	-0.001	-0.001
363	10/26/2015 13:41	0.000	-0.001
364	10/26/2015 13:42	0.003	0.000
365	10/26/2015 13:43	0.000	0.000
366	10/26/2015 13:44	0.000	0.000
367	10/26/2015 13:45	0.001	0.000
368	10/26/2015 13:46	0.000	0.000
369	10/26/2015 13:47	0.000	0.000
370	10/26/2015 13:48	0.001	0.000
371	10/26/2015 13:49	0.001	0.000
372	10/26/2015 13:50	0.005	0.001
373	10/26/2015 13:51	0.000	0.001
374	10/26/2015 13:52	0.000	0.001
375	10/26/2015 13:53	0.009	0.001
376	10/26/2015 13:54	0.006	0.002
377	10/26/2015 13:55	0.000	0.002
378	10/26/2015 13:56	0.001	0.002
379	10/26/2015 13:57	0.001	0.002
380	10/26/2015 13:58	0.003	0.002
381	10/26/2015 13:59	0.002	0.002
382	10/26/2015 14:00	0.002	0.002
383	10/26/2015 14:01	0.012	0.003
384	10/26/2015 14:02	0.002	0.003
385	10/26/2015 14:03	0.008	0.003
386	10/26/2015 14:04	0.006	0.004
387	10/26/2015 14:05	0.002	0.004
388	10/26/2015 14:06	0.000	0.004
389	10/26/2015 14:07	0.000	0.004
390	10/26/2015 14:08	0.000	0.003
391	10/26/2015 14:09	0.000	0.003

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
392	10/26/2015 14:10	0.004	0.007
393	10/26/2015 14:11	0.004	0.007
394	10/26/2015 14:12	0.004	0.007
395	10/26/2015 14:13	0.004	0.007
396	10/26/2015 14:14	0.004	0.007
397	10/26/2015 14:15	0.004	0.007
398	10/26/2015 14:16	0.004	0.007
399	10/26/2015 14:17	0.004	0.006
400	10/26/2015 14:18	0.004	0.006
401	10/26/2015 14:19	0.075	0.011
402	10/26/2015 14:20	0.017	0.011
403	10/26/2015 14:21	0.009	0.012
404	10/26/2015 14:22	0.005	0.012
405	10/26/2015 14:23	0.005	0.011
406	10/26/2015 14:24	0.004	0.010
407	10/26/2015 14:25	0.004	0.010
408	10/26/2015 14:26	0.005	0.010
409	10/26/2015 14:27	0.005	0.010
410	10/26/2015 14:28	0.005	0.010
411	10/26/2015 14:29	0.005	0.010
412	10/26/2015 14:30	0.005	0.010
413	10/26/2015 14:31	0.005	0.010
414	10/26/2015 14:32	0.005	0.011
415	10/26/2015 14:33	0.005	0.011
416	10/26/2015 14:34	0.005	0.006
417	10/26/2015 14:35	0.005	0.005
418	10/26/2015 14:36	0.005	0.005
419	10/26/2015 14:37	0.005	0.005
420	10/26/2015 14:38	0.005	0.005
421	10/26/2015 14:39	0.005	0.005
422	10/26/2015 14:40	0.005	0.005
423	10/26/2015 14:41	0.005	0.005
424	10/26/2015 14:42	0.005	0.005
425	10/26/2015 14:43	0.005	0.005
426	10/26/2015 14:44	0.006	0.005
427	10/26/2015 14:45	0.007	0.005
428	10/26/2015 14:46	0.005	0.005
429	10/26/2015 14:47	0.006	0.005
430	10/26/2015 14:48	0.005	0.005
431	10/26/2015 14:49	0.005	0.005
432	10/26/2015 14:50	0.005	0.005
433	10/26/2015 14:51	0.005	0.005
434	10/26/2015 14:52	0.005	0.005
435	10/26/2015 14:53	0.005	0.005
436	10/26/2015 14:54	0.006	0.005
437	10/26/2015 14:55	0.005	0.005
438	10/26/2015 14:56	0.005	0.005
439	10/26/2015 14:57	0.004	0.005
440	10/26/2015 14:58	0.005	0.005
441	10/26/2015 14:59	0.004	0.005

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
392	10/26/2015 14:10	0.020	0.004
393	10/26/2015 14:11	0.027	0.006
394	10/26/2015 14:12	0.013	0.006
395	10/26/2015 14:13	0.021	0.008
396	10/26/2015 14:14	0.010	0.008
397	10/26/2015 14:15	0.004	0.008
398	10/26/2015 14:16	0.000	0.008
399	10/26/2015 14:17	0.000	0.007
400	10/26/2015 14:18	0.000	0.007
401	10/26/2015 14:19	0.000	0.006
402	10/26/2015 14:20	0.000	0.006
403	10/26/2015 14:21	0.009	0.007
404	10/26/2015 14:22	0.006	0.007
405	10/26/2015 14:23	0.000	0.007
406	10/26/2015 14:24	0.005	0.008
407	10/26/2015 14:25	0.000	0.006
408	10/26/2015 14:26	0.000	0.005
409	10/26/2015 14:27	0.000	0.004
410	10/26/2015 14:28	0.001	0.002
411	10/26/2015 14:29	0.001	0.002
412	10/26/2015 14:30	0.002	0.002
413	10/26/2015 14:31	0.003	0.002
414	10/26/2015 14:32	0.000	0.002
415	10/26/2015 14:33	0.000	0.002
416	10/26/2015 14:34	0.000	0.002
417	10/26/2015 14:35	0.027	0.004
418	10/26/2015 14:36	0.002	0.003
419	10/26/2015 14:37	0.001	0.003
420	10/26/2015 14:38	0.006	0.003
421	10/26/2015 14:39	0.008	0.003
422	10/26/2015 14:40	0.007	0.004
423	10/26/2015 14:41	0.006	0.004
424	10/26/2015 14:42	0.010	0.005
425	10/26/2015 14:43	0.002	0.005
426	10/26/2015 14:44	0.006	0.005
427	10/26/2015 14:45	0.005	0.006
428	10/26/2015 14:46	0.020	0.007
429	10/26/2015 14:47	0.042	0.009
430	10/26/2015 14:48	0.013	0.010
431	10/26/2015 14:49	0.001	0.010
432	10/26/2015 14:50	0.002	0.009
433	10/26/2015 14:51	0.014	0.010
434	10/26/2015 14:52	0.011	0.010
435	10/26/2015 14:53	0.009	0.010
436	10/26/2015 14:54	0.008	0.010
437	10/26/2015 14:55	0.011	0.011
438	10/26/2015 14:56	0.007	0.011
439	10/26/2015 14:57	0.013	0.011
440	10/26/2015 14:58	0.006	0.011
441	10/26/2015 14:59	0.002	0.011

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
442	10/26/2015 15:00	0.004	0.005
443	10/26/2015 15:01	0.005	0.005
444	10/26/2015 15:02	0.004	0.005
445	10/26/2015 15:03	0.004	0.005
446	10/26/2015 15:04	0.004	0.005
447	10/26/2015 15:05	0.005	0.005
448	10/26/2015 15:06	0.004	0.005
449	10/26/2015 15:07	0.004	0.005
450	10/26/2015 15:08	0.004	0.004
451	10/26/2015 15:09	0.004	0.004
452	10/26/2015 15:10	0.004	0.004
453	10/26/2015 15:11	0.004	0.004
454	10/26/2015 15:12	0.004	0.004
455	10/26/2015 15:13	0.004	0.004
456	10/26/2015 15:14	0.005	0.004
457	10/26/2015 15:15	0.004	0.004
458	10/26/2015 15:16	0.002	0.004
459	10/26/2015 15:17	0.007	0.004
460	10/26/2015 15:18	0.069	0.009
461	10/26/2015 15:19	0.005	0.009
462	10/26/2015 15:20	0.004	0.009
463	10/26/2015 15:21	0.004	0.009
464	10/26/2015 15:22	0.004	0.009
465	10/26/2015 15:23	0.004	0.009
466	10/26/2015 15:24	0.004	0.009
467	10/26/2015 15:25	0.004	0.009
468	10/26/2015 15:26	0.004	0.009
469	10/26/2015 15:27	0.004	0.009
470	10/26/2015 15:28	0.005	0.009
471	10/26/2015 15:29	0.008	0.009
472	10/26/2015 15:30	0.160	0.019
473	10/26/2015 15:31	0.016	0.020
474	10/26/2015 15:32	0.005	0.020
475	10/26/2015 15:33	0.004	0.016
476	10/26/2015 15:34	0.004	0.016
477	10/26/2015 15:35	0.004	0.016
478	10/26/2015 15:36	0.004	0.016
479	10/26/2015 15:37	0.004	0.016
480	10/26/2015 15:38	0.004	0.016
481	10/26/2015 15:39	0.010	0.016
482	10/26/2015 15:40	0.010	0.016
483	10/26/2015 15:41	0.005	0.016
484	10/26/2015 15:42	0.004	0.016
485	10/26/2015 15:43	0.006	0.017
486	10/26/2015 15:44	0.018	0.017
487	10/26/2015 15:45		0.007

Monday, October 26, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
442	10/26/2015 15:00	0.013	0.011
443	10/26/2015 15:01	0.010	0.011
444	10/26/2015 15:02	0.002	0.008
445	10/26/2015 15:03	0.002	0.007
446	10/26/2015 15:04	0.001	0.007
447	10/26/2015 15:05	0.008	0.008
448	10/26/2015 15:06	0.009	0.007
449	10/26/2015 15:07	0.006	0.007
450	10/26/2015 15:08	0.045	0.010
451	10/26/2015 15:09	0.016	0.010
452	10/26/2015 15:10	0.007	0.010
453	10/26/2015 15:11	0.012	0.010
454	10/26/2015 15:12	0.014	0.010
455	10/26/2015 15:13	0.008	0.010
456	10/26/2015 15:14	0.024	0.012
457	10/26/2015 15:15	0.012	0.012
458	10/26/2015 15:16	0.006	0.011
459	10/26/2015 15:17	0.016	0.012
460	10/26/2015 15:18	0.009	0.013
461	10/26/2015 15:19	0.002	0.013
462	10/26/2015 15:20	0.029	0.014
463	10/26/2015 15:21	0.017	0.015
464	10/26/2015 15:22	0.012	0.015
465	10/26/2015 15:23	0.011	0.013
466	10/26/2015 15:24	0.019	0.013
467	10/26/2015 15:25	0.005	0.013
468	10/26/2015 15:26	0.002	0.012
469	10/26/2015 15:27	0.002	0.012
470	10/26/2015 15:28	0.003	0.011
471	10/26/2015 15:29	0.003	0.010
472	10/26/2015 15:30	0.003	0.009
473	10/26/2015 15:31	0.003	0.009
474	10/26/2015 15:32	0.054	0.012
475	10/26/2015 15:33	0.031	0.013
476	10/26/2015 15:34	0.014	0.014
477	10/26/2015 15:35	0.016	0.013
478	10/26/2015 15:36	0.007	0.012
479	10/26/2015 15:37	0.003	0.012
480	10/26/2015 15:38	0.006	0.011
481	10/26/2015 15:39	0.007	0.011
482	10/26/2015 15:40		0.011
483	10/26/2015 15:41		0.012
484	10/26/2015 15:42		0.013
485	10/26/2015 15:43		0.013
486	10/26/2015 15:44		0.014
487	10/26/2015 15:45		0.016

Upwind VOC Data Summary		
Maximum	0.5	ppm
Minimum	0.0	ppm
Average	0.3	ppm
Maximum 15-Minute Average	0.4	ppm

Downwind VOC Data Summary		
Maximum	0.4	ppm
Minimum	0.0	ppm
Average	0.1	ppm
Maximum 15-Minute Average	0.3	ppm

Tuesday, October 27, 2015
HRPC - IRM - AOC-1
Upwind PID

Record	Date & Time	VOC (ppm)	15-Minute Average
1	10/27/2015 7:36		
2	10/27/2015 7:37		
3	10/27/2015 7:38		
4	10/27/2015 7:39		
5	10/27/2015 7:40		
6	10/27/2015 7:41	0.0	
7	10/27/2015 7:42	0.0	
8	10/27/2015 7:43	0.0	
9	10/27/2015 7:44	0.0	
10	10/27/2015 7:45	0.0	
11	10/27/2015 7:46	0.0	
12	10/27/2015 7:47	0.0	
13	10/27/2015 7:48	0.0	
14	10/27/2015 7:49	0.0	
15	10/27/2015 7:50	0.0	0.0
16	10/27/2015 7:51	0.0	0.0
17	10/27/2015 7:52	0.0	0.0
18	10/27/2015 7:53	0.0	0.0
19	10/27/2015 7:54	0.0	0.0
20	10/27/2015 7:55	0.0	0.0
21	10/27/2015 7:56	0.0	0.0
22	10/27/2015 7:57	0.0	0.0
23	10/27/2015 7:58	0.0	0.0
24	10/27/2015 7:59	0.0	0.0
25	10/27/2015 8:00	0.1	0.0
26	10/27/2015 8:01	0.1	0.0
27	10/27/2015 8:02	0.1	0.0
28	10/27/2015 8:03	0.1	0.0
29	10/27/2015 8:04	0.1	0.0
30	10/27/2015 8:05	0.1	0.0
31	10/27/2015 8:06	0.1	0.0
32	10/27/2015 8:07	0.1	0.0
33	10/27/2015 8:08	0.1	0.1
34	10/27/2015 8:09	0.1	0.1
35	10/27/2015 8:10	0.1	0.1
36	10/27/2015 8:11	0.1	0.1
37	10/27/2015 8:12	0.1	0.1
38	10/27/2015 8:13	0.1	0.1
39	10/27/2015 8:14	0.1	0.1
40	10/27/2015 8:15	0.1	0.1
41	10/27/2015 8:16	0.1	0.1
42	10/27/2015 8:17	0.1	0.1

Tuesday, October 27, 2015
HRPC - IRM - AOC-1
Downwind PID

Record	Date & Time	VOC (ppm)	15-Minute Average
1	10/27/2015 7:36	0.0	
2	10/27/2015 7:37	0.0	
3	10/27/2015 7:38	0.0	
4	10/27/2015 7:39	0.0	
5	10/27/2015 7:40	0.0	
6	10/27/2015 7:41	0.0	
7	10/27/2015 7:42	0.0	
8	10/27/2015 7:43	0.0	
9	10/27/2015 7:44	0.0	
10	10/27/2015 7:45	0.0	
11	10/27/2015 7:46	0.0	
12	10/27/2015 7:47	0.0	
13	10/27/2015 7:48	0.0	
14	10/27/2015 7:49	0.0	
15	10/27/2015 7:50	0.0	0.0
16	10/27/2015 7:51	0.0	0.0
17	10/27/2015 7:52	0.0	0.0
18	10/27/2015 7:53	0.0	0.0
19	10/27/2015 7:54	0.0	0.0
20	10/27/2015 7:55	0.0	0.0
21	10/27/2015 7:56	0.0	0.0
22	10/27/2015 7:57	0.0	0.0
23	10/27/2015 7:58	0.0	0.0
24	10/27/2015 7:59	0.0	0.0
25	10/27/2015 8:00	0.0	0.0
26	10/27/2015 8:01	0.0	0.0
27	10/27/2015 8:02	0.0	0.0
28	10/27/2015 8:03	0.0	0.0
29	10/27/2015 8:04	0.0	0.0
30	10/27/2015 8:05	0.0	0.0
31	10/27/2015 8:06	0.0	0.0
32	10/27/2015 8:07	0.0	0.0
33	10/27/2015 8:08	0.0	0.0
34	10/27/2015 8:09	0.0	0.0
35	10/27/2015 8:10	0.0	0.0
36	10/27/2015 8:11	0.0	0.0
37	10/27/2015 8:12	0.0	0.0
38	10/27/2015 8:13	0.0	0.0
39	10/27/2015 8:14	0.0	0.0
40	10/27/2015 8:15	0.0	0.0
41	10/27/2015 8:16	0.0	0.0
42	10/27/2015 8:17	0.0	0.0

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
43	10/27/2015 8:18	0.1	0.1
44	10/27/2015 8:19	0.1	0.1
45	10/27/2015 8:20	0.1	0.1
46	10/27/2015 8:21	0.1	0.1
47	10/27/2015 8:22	0.1	0.1
48	10/27/2015 8:23	0.1	0.1
49	10/27/2015 8:24	0.1	0.1
50	10/27/2015 8:25	0.1	0.1
51	10/27/2015 8:26	0.1	0.1
52	10/27/2015 8:27	0.1	0.1
53	10/27/2015 8:28	0.1	0.1
54	10/27/2015 8:29	0.1	0.1
55	10/27/2015 8:30	0.1	0.1
56	10/27/2015 8:31	0.1	0.1
57	10/27/2015 8:32	0.1	0.1
58	10/27/2015 8:33	0.1	0.1
59	10/27/2015 8:34	0.1	0.1
60	10/27/2015 8:35	0.1	0.1
61	10/27/2015 8:36	0.1	0.1
62	10/27/2015 8:37	0.1	0.1
63	10/27/2015 8:38	0.1	0.1
64	10/27/2015 8:39	0.1	0.1
65	10/27/2015 8:40	0.1	0.1
66	10/27/2015 8:41	0.2	0.1
67	10/27/2015 8:42	0.2	0.1
68	10/27/2015 8:43	0.2	0.1
69	10/27/2015 8:44	0.2	0.1
70	10/27/2015 8:45	0.2	0.1
71	10/27/2015 8:46	0.2	0.1
72	10/27/2015 8:47	0.2	0.1
73	10/27/2015 8:48	0.2	0.2
74	10/27/2015 8:49	0.2	0.2
75	10/27/2015 8:50	0.2	0.2
76	10/27/2015 8:51	0.2	0.2
77	10/27/2015 8:52	0.2	0.2
78	10/27/2015 8:53	0.2	0.2
79	10/27/2015 8:54	0.2	0.2
80	10/27/2015 8:55	0.2	0.2
81	10/27/2015 8:56	0.2	0.2
82	10/27/2015 8:57	0.2	0.2
83	10/27/2015 8:58	0.2	0.2
84	10/27/2015 8:59	0.2	0.2
85	10/27/2015 9:00	0.2	0.2
86	10/27/2015 9:01	0.2	0.2
87	10/27/2015 9:02	0.2	0.2
88	10/27/2015 9:03	0.2	0.2
89	10/27/2015 9:04	0.2	0.2
90	10/27/2015 9:05	0.2	0.2
91	10/27/2015 9:06	0.2	0.2
92	10/27/2015 9:07	0.2	0.2

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
43	10/27/2015 8:18	0.0	0.0
44	10/27/2015 8:19	0.1	0.0
45	10/27/2015 8:20	0.1	0.0
46	10/27/2015 8:21	0.1	0.0
47	10/27/2015 8:22	0.1	0.0
48	10/27/2015 8:23	0.1	0.0
49	10/27/2015 8:24	0.1	0.0
50	10/27/2015 8:25	0.1	0.0
51	10/27/2015 8:26	0.1	0.0
52	10/27/2015 8:27	0.1	0.0
53	10/27/2015 8:28	0.1	0.0
54	10/27/2015 8:29	0.1	0.1
55	10/27/2015 8:30	0.1	0.1
56	10/27/2015 8:31	0.1	0.1
57	10/27/2015 8:32	0.1	0.1
58	10/27/2015 8:33	0.1	0.1
59	10/27/2015 8:34	0.1	0.1
60	10/27/2015 8:35	0.1	0.1
61	10/27/2015 8:36	0.1	0.1
62	10/27/2015 8:37	0.1	0.1
63	10/27/2015 8:38	0.1	0.1
64	10/27/2015 8:39	0.1	0.1
65	10/27/2015 8:40	0.1	0.1
66	10/27/2015 8:41	0.1	0.1
67	10/27/2015 8:42	0.1	0.1
68	10/27/2015 8:43	0.1	0.1
69	10/27/2015 8:44	0.1	0.1
70	10/27/2015 8:45	0.1	0.1
71	10/27/2015 8:46	0.1	0.1
72	10/27/2015 8:47	0.1	0.1
73	10/27/2015 8:48	0.1	0.1
74	10/27/2015 8:49	0.1	0.1
75	10/27/2015 8:50	0.1	0.1
76	10/27/2015 8:51	0.1	0.1
77	10/27/2015 8:52	0.1	0.1
78	10/27/2015 8:53	0.1	0.1
79	10/27/2015 8:54	0.1	0.1
80	10/27/2015 8:55	0.1	0.1
81	10/27/2015 8:56	0.1	0.1
82	10/27/2015 8:57	0.1	0.1
83	10/27/2015 8:58	0.1	0.1
84	10/27/2015 8:59	0.1	0.1
85	10/27/2015 9:00	0.1	0.1
86	10/27/2015 9:01	0.1	0.1
87	10/27/2015 9:02	0.1	0.1
88	10/27/2015 9:03	0.1	0.1
89	10/27/2015 9:04	0.1	0.1
90	10/27/2015 9:05	0.1	0.1
91	10/27/2015 9:06	0.1	0.1
92	10/27/2015 9:07	0.1	0.1

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
93	10/27/2015 9:08	0.2	0.2
94	10/27/2015 9:09	0.2	0.2
95	10/27/2015 9:10	0.2	0.2
96	10/27/2015 9:11	0.2	0.2
97	10/27/2015 9:12	0.2	0.2
98	10/27/2015 9:13	0.2	0.2
99	10/27/2015 9:14	0.2	0.2
100	10/27/2015 9:15	0.2	0.2
101	10/27/2015 9:16	0.2	0.2
102	10/27/2015 9:17	0.2	0.2
103	10/27/2015 9:18	0.2	0.2
104	10/27/2015 9:19	0.2	0.2
105	10/27/2015 9:20	0.2	0.2
106	10/27/2015 9:21	0.2	0.2
107	10/27/2015 9:22	0.2	0.2
108	10/27/2015 9:23	0.2	0.2
109	10/27/2015 9:24	0.2	0.2
110	10/27/2015 9:25	0.2	0.2
111	10/27/2015 9:26	0.2	0.2
112	10/27/2015 9:27	0.2	0.2
113	10/27/2015 9:28	0.2	0.2
114	10/27/2015 9:29	0.2	0.2
115	10/27/2015 9:30	0.2	0.2
116	10/27/2015 9:31	0.2	0.2
117	10/27/2015 9:32	0.2	0.2
118	10/27/2015 9:33	0.2	0.2
119	10/27/2015 9:34	0.2	0.2
120	10/27/2015 9:35	0.2	0.2
121	10/27/2015 9:36	0.2	0.2
122	10/27/2015 9:37	0.2	0.2
123	10/27/2015 9:38	0.2	0.2
124	10/27/2015 9:39	0.2	0.2
125	10/27/2015 9:40	0.2	0.2
126	10/27/2015 9:41	0.2	0.2
127	10/27/2015 9:42	0.2	0.2
128	10/27/2015 9:43	0.2	0.2
129	10/27/2015 9:44	0.2	0.2
130	10/27/2015 9:45	0.2	0.2
131	10/27/2015 9:46	0.2	0.2
132	10/27/2015 9:47	0.2	0.2
133	10/27/2015 9:48	0.2	0.2
134	10/27/2015 9:49	0.2	0.2
135	10/27/2015 9:50	0.2	0.2
136	10/27/2015 9:51	0.2	0.2
137	10/27/2015 9:52	0.2	0.2
138	10/27/2015 9:53	0.2	0.2
139	10/27/2015 9:54	0.3	0.2
140	10/27/2015 9:55	0.3	0.2
141	10/27/2015 9:56	0.3	0.2
142	10/27/2015 9:57	0.3	0.2

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
93	10/27/2015 9:08	0.1	0.1
94	10/27/2015 9:09	0.1	0.1
95	10/27/2015 9:10	0.1	0.1
96	10/27/2015 9:11	0.1	0.1
97	10/27/2015 9:12	0.1	0.1
98	10/27/2015 9:13	0.1	0.1
99	10/27/2015 9:14	0.1	0.1
100	10/27/2015 9:15	0.1	0.1
101	10/27/2015 9:16	0.1	0.1
102	10/27/2015 9:17	0.1	0.1
103	10/27/2015 9:18	0.1	0.1
104	10/27/2015 9:19	0.1	0.1
105	10/27/2015 9:20	0.1	0.1
106	10/27/2015 9:21	0.1	0.1
107	10/27/2015 9:22	0.1	0.1
108	10/27/2015 9:23	0.1	0.1
109	10/27/2015 9:24	0.1	0.1
110	10/27/2015 9:25	0.1	0.1
111	10/27/2015 9:26	0.1	0.1
112	10/27/2015 9:27	0.1	0.1
113	10/27/2015 9:28	0.1	0.1
114	10/27/2015 9:29	0.1	0.1
115	10/27/2015 9:30	0.1	0.1
116	10/27/2015 9:31	0.1	0.1
117	10/27/2015 9:32	0.1	0.1
118	10/27/2015 9:33	0.1	0.1
119	10/27/2015 9:34	0.1	0.1
120	10/27/2015 9:35	0.1	0.1
121	10/27/2015 9:36	0.1	0.1
122	10/27/2015 9:37	0.1	0.1
123	10/27/2015 9:38	0.1	0.1
124	10/27/2015 9:39	0.1	0.1
125	10/27/2015 9:40	0.1	0.1
126	10/27/2015 9:41	0.1	0.1
127	10/27/2015 9:42	0.1	0.1
128	10/27/2015 9:43	0.1	0.1
129	10/27/2015 9:44	0.1	0.1
130	10/27/2015 9:45	0.1	0.1
131	10/27/2015 9:46	0.1	0.1
132	10/27/2015 9:47	0.1	0.1
133	10/27/2015 9:48	0.1	0.1
134	10/27/2015 9:49	0.1	0.1
135	10/27/2015 9:50	0.1	0.1
136	10/27/2015 9:51	0.1	0.1
137	10/27/2015 9:52	0.1	0.1
138	10/27/2015 9:53	0.1	0.1
139	10/27/2015 9:54	0.1	0.1
140	10/27/2015 9:55	0.1	0.1
141	10/27/2015 9:56	0.1	0.1
142	10/27/2015 9:57	0.1	0.1

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
143	10/27/2015 9:58	0.3	0.2
144	10/27/2015 9:59	0.3	0.2
145	10/27/2015 10:00	0.3	0.2
146	10/27/2015 10:01	0.3	0.3
147	10/27/2015 10:02	0.3	0.3
148	10/27/2015 10:03	0.3	0.3
149	10/27/2015 10:04	0.3	0.3
150	10/27/2015 10:05	0.3	0.3
151	10/27/2015 10:06	0.3	0.3
152	10/27/2015 10:07	0.3	0.3
153	10/27/2015 10:08	0.3	0.3
154	10/27/2015 10:09	0.3	0.3
155	10/27/2015 10:10	0.3	0.3
156	10/27/2015 10:11	0.3	0.3
157	10/27/2015 10:12	0.3	0.3
158	10/27/2015 10:13	0.3	0.3
159	10/27/2015 10:14	0.3	0.3
160	10/27/2015 10:15	0.3	0.3
161	10/27/2015 10:16	0.3	0.3
162	10/27/2015 10:17	0.3	0.3
163	10/27/2015 10:18	0.3	0.3
164	10/27/2015 10:19	0.3	0.3
165	10/27/2015 10:20	0.3	0.3
166	10/27/2015 10:21	0.3	0.3
167	10/27/2015 10:22	0.3	0.3
168	10/27/2015 10:23	0.3	0.3
169	10/27/2015 10:24	0.3	0.3
170	10/27/2015 10:25	0.2	0.3
171	10/27/2015 10:26	0.3	0.3
172	10/27/2015 10:27	0.3	0.3
173	10/27/2015 10:28	0.3	0.3
174	10/27/2015 10:29	0.3	0.3
175	10/27/2015 10:30	0.3	0.3
176	10/27/2015 10:31	0.3	0.3
177	10/27/2015 10:32	0.3	0.3
178	10/27/2015 10:33	0.3	0.3
179	10/27/2015 10:34	0.3	0.3
180	10/27/2015 10:35	0.3	0.3
181	10/27/2015 10:36	0.3	0.3
182	10/27/2015 10:37	0.3	0.3
183	10/27/2015 10:38	0.3	0.3
184	10/27/2015 10:39	0.3	0.3
185	10/27/2015 10:40	0.3	0.3
186	10/27/2015 10:41	0.3	0.3
187	10/27/2015 10:42	0.3	0.3
188	10/27/2015 10:43	0.3	0.3
189	10/27/2015 10:44	0.3	0.3
190	10/27/2015 10:45	0.3	0.3
191	10/27/2015 10:46	0.3	0.3
192	10/27/2015 10:47	0.3	0.3

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
143	10/27/2015 9:58	0.1	0.1
144	10/27/2015 9:59	0.1	0.1
145	10/27/2015 10:00	0.1	0.1
146	10/27/2015 10:01	0.1	0.1
147	10/27/2015 10:02	0.1	0.1
148	10/27/2015 10:03	0.1	0.1
149	10/27/2015 10:04	0.1	0.1
150	10/27/2015 10:05	0.1	0.1
151	10/27/2015 10:06	0.1	0.1
152	10/27/2015 10:07	0.1	0.1
153	10/27/2015 10:08	0.1	0.1
154	10/27/2015 10:09	0.1	0.1
155	10/27/2015 10:10	0.1	0.1
156	10/27/2015 10:11	0.1	0.1
157	10/27/2015 10:12	0.1	0.1
158	10/27/2015 10:13	0.1	0.1
159	10/27/2015 10:14	0.1	0.1
160	10/27/2015 10:15	0.1	0.1
161	10/27/2015 10:16	0.1	0.1
162	10/27/2015 10:17	0.1	0.1
163	10/27/2015 10:18	0.1	0.1
164	10/27/2015 10:19	0.1	0.1
165	10/27/2015 10:20	0.1	0.1
166	10/27/2015 10:21	0.1	0.1
167	10/27/2015 10:22	0.1	0.1
168	10/27/2015 10:23	0.1	0.1
169	10/27/2015 10:24	0.1	0.1
170	10/27/2015 10:25	0.1	0.1
171	10/27/2015 10:26	0.1	0.1
172	10/27/2015 10:27	0.1	0.1
173	10/27/2015 10:28	0.1	0.1
174	10/27/2015 10:29	0.1	0.1
175	10/27/2015 10:30	0.1	0.1
176	10/27/2015 10:31	0.1	0.1
177	10/27/2015 10:32	0.1	0.1
178	10/27/2015 10:33	0.1	0.1
179	10/27/2015 10:34	0.1	0.1
180	10/27/2015 10:35	0.1	0.1
181	10/27/2015 10:36	0.1	0.1
182	10/27/2015 10:37	0.1	0.1
183	10/27/2015 10:38	0.1	0.1
184	10/27/2015 10:39	0.1	0.1
185	10/27/2015 10:40	0.1	0.1
186	10/27/2015 10:41	0.1	0.1
187	10/27/2015 10:42	0.1	0.1
188	10/27/2015 10:43	0.1	0.1
189	10/27/2015 10:44	0.1	0.1
190	10/27/2015 10:45	0.1	0.1
191	10/27/2015 10:46	0.1	0.1
192	10/27/2015 10:47	0.1	0.1

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
193	10/27/2015 10:48	0.3	0.3
194	10/27/2015 10:49	0.3	0.3
195	10/27/2015 10:50	0.3	0.3
196	10/27/2015 10:51	0.3	0.3
197	10/27/2015 10:52	0.3	0.3
198	10/27/2015 10:53	0.3	0.3
199	10/27/2015 10:54	0.3	0.3
200	10/27/2015 10:55	0.3	0.3
201	10/27/2015 10:56	0.3	0.3
202	10/27/2015 10:57	0.3	0.3
203	10/27/2015 10:58	0.3	0.3
204	10/27/2015 10:59	0.3	0.3
205	10/27/2015 11:00	0.3	0.3
206	10/27/2015 11:01	0.3	0.3
207	10/27/2015 11:02	0.3	0.3
208	10/27/2015 11:03	0.3	0.3
209	10/27/2015 11:04	0.3	0.3
210	10/27/2015 11:05	0.4	0.3
211	10/27/2015 11:06	0.4	0.3
212	10/27/2015 11:07	0.4	0.3
213	10/27/2015 11:08	0.4	0.3
214	10/27/2015 11:09	0.4	0.3
215	10/27/2015 11:10	0.4	0.3
216	10/27/2015 11:11	0.4	0.3
217	10/27/2015 11:12	0.4	0.4
218	10/27/2015 11:13	0.4	0.4
219	10/27/2015 11:14	0.4	0.4
220	10/27/2015 11:15	0.4	0.4
221	10/27/2015 11:16	0.4	0.4
222	10/27/2015 11:17	0.4	0.4
223	10/27/2015 11:18	0.4	0.4
224	10/27/2015 11:19	0.4	0.4
225	10/27/2015 11:20	0.4	0.4
226	10/27/2015 11:21	0.4	0.4
227	10/27/2015 11:22	0.4	0.4
228	10/27/2015 11:23	0.4	0.4
229	10/27/2015 11:24	0.4	0.4
230	10/27/2015 11:25	0.4	0.4
231	10/27/2015 11:26	0.4	0.4
232	10/27/2015 11:27	0.4	0.4
233	10/27/2015 11:28	0.4	0.4
234	10/27/2015 11:29	0.4	0.4
235	10/27/2015 11:30	0.4	0.4
236	10/27/2015 11:31	0.4	0.4
237	10/27/2015 11:32	0.4	0.4
238	10/27/2015 11:33	0.4	0.4
239	10/27/2015 11:34	0.4	0.4
240	10/27/2015 11:35	0.4	0.4
241	10/27/2015 11:36	0.4	0.4
242	10/27/2015 11:37	0.4	0.4

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
193	10/27/2015 10:48	0.1	0.1
194	10/27/2015 10:49	0.1	0.1
195	10/27/2015 10:50	0.1	0.1
196	10/27/2015 10:51	0.1	0.1
197	10/27/2015 10:52	0.1	0.1
198	10/27/2015 10:53	0.1	0.1
199	10/27/2015 10:54	0.1	0.1
200	10/27/2015 10:55	0.1	0.1
201	10/27/2015 10:56	0.1	0.1
202	10/27/2015 10:57	0.1	0.1
203	10/27/2015 10:58	0.1	0.1
204	10/27/2015 10:59	0.1	0.1
205	10/27/2015 11:00	0.1	0.1
206	10/27/2015 11:01	0.1	0.1
207	10/27/2015 11:02	0.1	0.1
208	10/27/2015 11:03	0.1	0.1
209	10/27/2015 11:04	0.1	0.1
210	10/27/2015 11:05	0.1	0.1
211	10/27/2015 11:06	0.1	0.1
212	10/27/2015 11:07	0.1	0.1
213	10/27/2015 11:08	0.1	0.1
214	10/27/2015 11:09	0.1	0.1
215	10/27/2015 11:10	0.1	0.1
216	10/27/2015 11:11	0.1	0.1
217	10/27/2015 11:12	0.1	0.1
218	10/27/2015 11:13	0.1	0.1
219	10/27/2015 11:14	0.1	0.1
220	10/27/2015 11:15	0.1	0.1
221	10/27/2015 11:16	0.1	0.1
222	10/27/2015 11:17	0.1	0.1
223	10/27/2015 11:18	0.1	0.1
224	10/27/2015 11:19	0.1	0.1
225	10/27/2015 11:20	0.1	0.1
226	10/27/2015 11:21	0.1	0.1
227	10/27/2015 11:22	0.1	0.1
228	10/27/2015 11:23	0.1	0.1
229	10/27/2015 11:24	0.1	0.1
230	10/27/2015 11:25	0.1	0.1
231	10/27/2015 11:26	0.1	0.1
232	10/27/2015 11:27	0.1	0.1
233	10/27/2015 11:28	0.1	0.1
234	10/27/2015 11:29	0.1	0.1
235	10/27/2015 11:30	0.1	0.1
236	10/27/2015 11:31	0.1	0.1
237	10/27/2015 11:32	0.1	0.1
238	10/27/2015 11:33	0.1	0.1
239	10/27/2015 11:34	0.2	0.1
240	10/27/2015 11:35	0.1	0.1
241	10/27/2015 11:36	0.2	0.1
242	10/27/2015 11:37	0.2	0.1

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
243	10/27/2015 11:38	0.4	0.4
244	10/27/2015 11:39	0.4	0.4
245	10/27/2015 11:40	0.4	0.4
246	10/27/2015 11:41	0.4	0.4
247	10/27/2015 11:42	0.4	0.4
248	10/27/2015 11:43	0.4	0.4
249	10/27/2015 11:44	0.4	0.4
250	10/27/2015 11:45	0.4	0.4
251	10/27/2015 11:46	0.4	0.4
252	10/27/2015 11:47	0.4	0.4
253	10/27/2015 11:48	0.4	0.4
254	10/27/2015 11:49	0.4	0.4
255	10/27/2015 11:50	0.4	0.4
256	10/27/2015 11:51	0.4	0.4
257	10/27/2015 11:52	0.4	0.4
258	10/27/2015 11:53	0.4	0.4
259	10/27/2015 11:54	0.4	0.4
260	10/27/2015 11:55	0.4	0.4
261	10/27/2015 11:56	0.4	0.4
262	10/27/2015 11:57	0.4	0.4
263	10/27/2015 11:58	0.4	0.4
264	10/27/2015 11:59	0.4	0.4
265	10/27/2015 12:00	0.4	0.4
266	10/27/2015 12:01	0.4	0.4
267	10/27/2015 12:02	0.3	0.4
268	10/27/2015 12:03	0.4	0.4
269	10/27/2015 12:04	0.4	0.4
270	10/27/2015 12:05	0.4	0.4
271	10/27/2015 12:06	0.3	0.4
272	10/27/2015 12:07	0.3	0.4
273	10/27/2015 12:08	0.3	0.4
274	10/27/2015 12:09	0.3	0.4
275	10/27/2015 12:10	0.3	0.3
276	10/27/2015 12:11	0.3	0.3
277	10/27/2015 12:12	0.3	0.3
278	10/27/2015 12:13	0.3	0.3
279	10/27/2015 12:14	0.3	0.3
280	10/27/2015 12:15	0.3	0.3
281	10/27/2015 12:16	0.3	0.3
282	10/27/2015 12:17	0.3	0.3
283	10/27/2015 12:18	0.3	0.3
284	10/27/2015 12:19	0.3	0.3
285	10/27/2015 12:20	0.3	0.3
286	10/27/2015 12:21	0.3	0.3
287	10/27/2015 12:22	0.3	0.3
288	10/27/2015 12:23	0.3	0.3
289	10/27/2015 12:24	0.3	0.3
290	10/27/2015 12:25	0.3	0.3
291	10/27/2015 12:26	0.3	0.3
292	10/27/2015 12:27	0.3	0.3

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
243	10/27/2015 11:38	0.2	0.1
244	10/27/2015 11:39	0.2	0.1
245	10/27/2015 11:40	0.2	0.1
246	10/27/2015 11:41	0.2	0.1
247	10/27/2015 11:42	0.2	0.1
248	10/27/2015 11:43	0.2	0.2
249	10/27/2015 11:44	0.2	0.2
250	10/27/2015 11:45	0.2	0.2
251	10/27/2015 11:46	0.2	0.2
252	10/27/2015 11:47	0.2	0.2
253	10/27/2015 11:48	0.2	0.2
254	10/27/2015 11:49	0.2	0.2
255	10/27/2015 11:50	0.2	0.2
256	10/27/2015 11:51	0.2	0.2
257	10/27/2015 11:52	0.1	0.2
258	10/27/2015 11:53	0.2	0.2
259	10/27/2015 11:54	0.2	0.2
260	10/27/2015 11:55	0.2	0.2
261	10/27/2015 11:56	0.2	0.2
262	10/27/2015 11:57	0.2	0.2
263	10/27/2015 11:58	0.2	0.2
264	10/27/2015 11:59	0.2	0.2
265	10/27/2015 12:00	0.2	0.2
266	10/27/2015 12:01	0.2	0.2
267	10/27/2015 12:02	0.2	0.2
268	10/27/2015 12:03	0.2	0.2
269	10/27/2015 12:04	0.2	0.2
270	10/27/2015 12:05	0.2	0.2
271	10/27/2015 12:06	0.2	0.2
272	10/27/2015 12:07	0.2	0.2
273	10/27/2015 12:08	0.2	0.2
274	10/27/2015 12:09	0.2	0.2
275	10/27/2015 12:10	0.2	0.2
276	10/27/2015 12:11	0.2	0.2
277	10/27/2015 12:12	0.2	0.2
278	10/27/2015 12:13	0.2	0.2
279	10/27/2015 12:14	0.2	0.2
280	10/27/2015 12:15	0.2	0.2
281	10/27/2015 12:16	0.2	0.2
282	10/27/2015 12:17	0.2	0.2
283	10/27/2015 12:18	0.2	0.2
284	10/27/2015 12:19	0.2	0.2
285	10/27/2015 12:20	0.2	0.2
286	10/27/2015 12:21	0.2	0.2
287	10/27/2015 12:22	0.2	0.2
288	10/27/2015 12:23	0.2	0.2
289	10/27/2015 12:24	0.2	0.2
290	10/27/2015 12:25	0.2	0.2
291	10/27/2015 12:26	0.2	0.2
292	10/27/2015 12:27	0.2	0.2

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
293	10/27/2015 12:28	0.4	0.3
294	10/27/2015 12:29	0.4	0.3
295	10/27/2015 12:30	0.3	0.3
296	10/27/2015 12:31	0.3	0.3
297	10/27/2015 12:32	0.3	0.3
298	10/27/2015 12:33	0.4	0.3
299	10/27/2015 12:34	0.4	0.3
300	10/27/2015 12:35	0.3	0.3
301	10/27/2015 12:36	0.3	0.3
302	10/27/2015 12:37	0.3	0.3
303	10/27/2015 12:38	0.3	0.3
304	10/27/2015 12:39	0.3	0.3
305	10/27/2015 12:40	0.3	0.3
306	10/27/2015 12:41	0.4	0.3
307	10/27/2015 12:42	0.4	0.3
308	10/27/2015 12:43	0.3	0.3
309	10/27/2015 12:44	0.3	0.3
310	10/27/2015 12:45	0.4	0.3
311	10/27/2015 12:46	0.4	0.3
312	10/27/2015 12:47	0.4	0.3
313	10/27/2015 12:48	0.4	0.3
314	10/27/2015 12:49	0.4	0.3
315	10/27/2015 12:50	0.4	0.4
316	10/27/2015 12:51	0.4	0.4
317	10/27/2015 12:52	0.4	0.4
318	10/27/2015 12:53	0.4	0.4
319	10/27/2015 12:54	0.4	0.4
320	10/27/2015 12:55	0.4	0.4
321	10/27/2015 12:56	0.4	0.4
322	10/27/2015 12:57	0.4	0.4
323	10/27/2015 12:58	0.4	0.4
324	10/27/2015 12:59	0.4	0.4
325	10/27/2015 13:00	0.4	0.4
326	10/27/2015 13:01	0.4	0.4
327	10/27/2015 13:02	0.4	0.4
328	10/27/2015 13:03	0.4	0.4
329	10/27/2015 13:04	0.4	0.4
330	10/27/2015 13:05	0.4	0.4
331	10/27/2015 13:06	0.4	0.4
332	10/27/2015 13:07	0.4	0.4
333	10/27/2015 13:08	0.4	0.4
334	10/27/2015 13:09	0.4	0.4
335	10/27/2015 13:10	0.4	0.4
336	10/27/2015 13:11	0.4	0.4
337	10/27/2015 13:12	0.4	0.4
338	10/27/2015 13:13	0.4	0.4
339	10/27/2015 13:14	0.4	0.4
340	10/27/2015 13:15	0.4	0.4
341	10/27/2015 13:16	0.4	0.4
342	10/27/2015 13:17	0.4	0.4

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
293	10/27/2015 12:28	0.2	0.2
294	10/27/2015 12:29	0.2	0.2
295	10/27/2015 12:30	0.2	0.2
296	10/27/2015 12:31	0.2	0.2
297	10/27/2015 12:32	0.2	0.2
298	10/27/2015 12:33	0.2	0.2
299	10/27/2015 12:34	0.2	0.2
300	10/27/2015 12:35	0.2	0.2
301	10/27/2015 12:36	0.2	0.2
302	10/27/2015 12:37	0.2	0.2
303	10/27/2015 12:38	0.2	0.2
304	10/27/2015 12:39	0.2	0.2
305	10/27/2015 12:40	0.2	0.2
306	10/27/2015 12:41	0.2	0.2
307	10/27/2015 12:42	0.2	0.2
308	10/27/2015 12:43	0.2	0.2
309	10/27/2015 12:44	0.2	0.2
310	10/27/2015 12:45	0.2	0.2
311	10/27/2015 12:46	0.2	0.2
312	10/27/2015 12:47	0.2	0.2
313	10/27/2015 12:48	0.2	0.2
314	10/27/2015 12:49	0.2	0.2
315	10/27/2015 12:50	0.2	0.2
316	10/27/2015 12:51	0.2	0.2
317	10/27/2015 12:52	0.2	0.2
318	10/27/2015 12:53	0.2	0.2
319	10/27/2015 12:54	0.2	0.2
320	10/27/2015 12:55	0.2	0.2
321	10/27/2015 12:56	0.2	0.2
322	10/27/2015 12:57	0.2	0.2
323	10/27/2015 12:58	0.2	0.2
324	10/27/2015 12:59	0.2	0.2
325	10/27/2015 13:00	0.2	0.2
326	10/27/2015 13:01	0.2	0.2
327	10/27/2015 13:02	0.2	0.2
328	10/27/2015 13:03	0.2	0.2
329	10/27/2015 13:04	0.2	0.2
330	10/27/2015 13:05	0.2	0.2
331	10/27/2015 13:06	0.2	0.2
332	10/27/2015 13:07	0.2	0.2
333	10/27/2015 13:08	0.2	0.2
334	10/27/2015 13:09	0.2	0.2
335	10/27/2015 13:10	0.2	0.2
336	10/27/2015 13:11	0.2	0.2
337	10/27/2015 13:12	0.2	0.2
338	10/27/2015 13:13	0.2	0.2
339	10/27/2015 13:14	0.2	0.2
340	10/27/2015 13:15	0.2	0.2
341	10/27/2015 13:16	0.2	0.2
342	10/27/2015 13:17	0.2	0.2

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
343	10/27/2015 13:18	0.4	0.4
344	10/27/2015 13:19	0.4	0.4
345	10/27/2015 13:20	0.4	0.4
346	10/27/2015 13:21	0.4	0.4
347	10/27/2015 13:22	0.4	0.4
348	10/27/2015 13:23	0.4	0.4
349	10/27/2015 13:24	0.4	0.4
350	10/27/2015 13:25	0.4	0.4
351	10/27/2015 13:26	0.4	0.4
352	10/27/2015 13:27	0.4	0.4
353	10/27/2015 13:28	0.4	0.4
354	10/27/2015 13:29	0.4	0.4
355	10/27/2015 13:30	0.4	0.4
356	10/27/2015 13:31	0.4	0.4
357	10/27/2015 13:32	0.4	0.4
358	10/27/2015 13:33	0.4	0.4
359	10/27/2015 13:34	0.4	0.4
360	10/27/2015 13:35	0.4	0.4
361	10/27/2015 13:36	0.4	0.4
362	10/27/2015 13:37	0.4	0.4
363	10/27/2015 13:38	0.4	0.4
364	10/27/2015 13:39	0.4	0.4
365	10/27/2015 13:40	0.4	0.4
366	10/27/2015 13:41	0.4	0.4
367	10/27/2015 13:42	0.4	0.4
368	10/27/2015 13:43	0.4	0.4
369	10/27/2015 13:44	0.4	0.4
370	10/27/2015 13:45	0.4	0.4
371	10/27/2015 13:46	0.4	0.4
372	10/27/2015 13:47	0.4	0.4
373	10/27/2015 13:48	0.4	0.4
374	10/27/2015 13:49	0.4	0.4
375	10/27/2015 13:50	0.4	0.4
376	10/27/2015 13:51	0.4	0.4
377	10/27/2015 13:52	0.4	0.4
378	10/27/2015 13:53	0.4	0.4
379	10/27/2015 13:54	0.4	0.4
380	10/27/2015 13:55	0.4	0.4
381	10/27/2015 13:56	0.4	0.4
382	10/27/2015 13:57	0.4	0.4
383	10/27/2015 13:58	0.4	0.4
384	10/27/2015 13:59	0.4	0.4
385	10/27/2015 14:00	0.4	0.4
386	10/27/2015 14:01	0.4	0.4
387	10/27/2015 14:02	0.4	0.4
388	10/27/2015 14:03	0.4	0.4
389	10/27/2015 14:04	0.4	0.4
390	10/27/2015 14:05	0.4	0.4
391	10/27/2015 14:06	0.4	0.4
392	10/27/2015 14:07	0.4	0.4

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
343	10/27/2015 13:18	0.1	0.2
344	10/27/2015 13:19	0.1	0.2
345	10/27/2015 13:20	0.1	0.2
346	10/27/2015 13:21	0.1	0.2
347	10/27/2015 13:22	0.1	0.2
348	10/27/2015 13:23	0.1	0.1
349	10/27/2015 13:24	0.1	0.1
350	10/27/2015 13:25	0.1	0.1
351	10/27/2015 13:26	0.1	0.1
352	10/27/2015 13:27	0.1	0.1
353	10/27/2015 13:28	0.1	0.1
354	10/27/2015 13:29	0.1	0.1
355	10/27/2015 13:30	0.1	0.1
356	10/27/2015 13:31	0.1	0.1
357	10/27/2015 13:32	0.1	0.1
358	10/27/2015 13:33	0.1	0.1
359	10/27/2015 13:34	0.1	0.1
360	10/27/2015 13:35	0.1	0.1
361	10/27/2015 13:36	0.1	0.1
362	10/27/2015 13:37	0.1	0.1
363	10/27/2015 13:38	0.1	0.1
364	10/27/2015 13:39	0.1	0.1
365	10/27/2015 13:40	0.1	0.1
366	10/27/2015 13:41	0.1	0.1
367	10/27/2015 13:42	0.1	0.1
368	10/27/2015 13:43	0.1	0.1
369	10/27/2015 13:44	0.1	0.1
370	10/27/2015 13:45	0.1	0.1
371	10/27/2015 13:46	0.1	0.1
372	10/27/2015 13:47	0.1	0.1
373	10/27/2015 13:48	0.1	0.1
374	10/27/2015 13:49	0.1	0.1
375	10/27/2015 13:50	0.1	0.1
376	10/27/2015 13:51	0.1	0.1
377	10/27/2015 13:52	0.1	0.1
378	10/27/2015 13:53	0.1	0.1
379	10/27/2015 13:54	0.1	0.1
380	10/27/2015 13:55	0.1	0.1
381	10/27/2015 13:56	0.1	0.1
382	10/27/2015 13:57	0.1	0.1
383	10/27/2015 13:58	0.1	0.1
384	10/27/2015 13:59	0.1	0.1
385	10/27/2015 14:00	0.1	0.1
386	10/27/2015 14:01	0.1	0.1
387	10/27/2015 14:02	0.1	0.1
388	10/27/2015 14:03	0.1	0.1
389	10/27/2015 14:04	0.1	0.1
390	10/27/2015 14:05	0.1	0.1
391	10/27/2015 14:06	0.1	0.1
392	10/27/2015 14:07	0.1	0.1

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
393	10/27/2015 14:08	0.4	0.4
394	10/27/2015 14:09	0.4	0.4
395	10/27/2015 14:10	0.4	0.4
396	10/27/2015 14:11	0.4	0.4
397	10/27/2015 14:12	0.4	0.4
398	10/27/2015 14:13	0.4	0.4
399	10/27/2015 14:14	0.4	0.4
400	10/27/2015 14:15	0.4	0.4
401	10/27/2015 14:16	0.4	0.4
402	10/27/2015 14:17	0.4	0.4
403	10/27/2015 14:18	0.4	0.4
404	10/27/2015 14:19	0.4	0.4
405	10/27/2015 14:20	0.4	0.4
406	10/27/2015 14:21	0.4	0.4
407	10/27/2015 14:22	0.4	0.4
408	10/27/2015 14:23	0.4	0.4
409	10/27/2015 14:24	0.4	0.4
410	10/27/2015 14:25	0.4	0.4
411	10/27/2015 14:26	0.4	0.4
412	10/27/2015 14:27	0.4	0.4
413	10/27/2015 14:28	0.4	0.4
414	10/27/2015 14:29	0.4	0.4
415	10/27/2015 14:30	0.4	0.4
416	10/27/2015 14:31	0.4	0.4
417	10/27/2015 14:32	0.4	0.4
418	10/27/2015 14:33	0.4	0.4
419	10/27/2015 14:34	0.4	0.4
420	10/27/2015 14:35	0.4	0.4
421	10/27/2015 14:36	0.4	0.4
422	10/27/2015 14:37	0.4	0.4
423	10/27/2015 14:38	0.4	0.4
424	10/27/2015 14:39	0.4	0.4
425	10/27/2015 14:40	0.4	0.4
426	10/27/2015 14:41	0.4	0.4
427	10/27/2015 14:42	0.4	0.4
428	10/27/2015 14:43	0.4	0.4
429	10/27/2015 14:44	0.4	0.4
430	10/27/2015 14:45	0.4	0.4
431	10/27/2015 14:46	0.4	0.4
432	10/27/2015 14:47	0.4	0.4
433	10/27/2015 14:48	0.4	0.4
434	10/27/2015 14:49	0.4	0.4
435	10/27/2015 14:50	0.4	0.4
436	10/27/2015 14:51	0.4	0.4
437	10/27/2015 14:52	0.4	0.4
438	10/27/2015 14:53	0.4	0.4
439	10/27/2015 14:54	0.4	0.4
440	10/27/2015 14:55	0.3	0.4
441	10/27/2015 14:56	0.3	0.4
442	10/27/2015 14:57	0.3	0.4

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
393	10/27/2015 14:08	0.1	0.1
394	10/27/2015 14:09	0.1	0.1
395	10/27/2015 14:10	0.1	0.1
396	10/27/2015 14:11	0.1	0.1
397	10/27/2015 14:12	0.1	0.1
398	10/27/2015 14:13	0.1	0.1
399	10/27/2015 14:14	0.1	0.1
400	10/27/2015 14:15	0.1	0.1
401	10/27/2015 14:16	0.1	0.1
402	10/27/2015 14:17	0.1	0.1
403	10/27/2015 14:18	0.1	0.1
404	10/27/2015 14:19	0.1	0.1
405	10/27/2015 14:20	0.1	0.1
406	10/27/2015 14:21	0.1	0.1
407	10/27/2015 14:22	0.1	0.1
408	10/27/2015 14:23	0.1	0.1
409	10/27/2015 14:24	0.1	0.1
410	10/27/2015 14:25	0.1	0.1
411	10/27/2015 14:26	0.1	0.1
412	10/27/2015 14:27	0.1	0.1
413	10/27/2015 14:28	0.1	0.1
414	10/27/2015 14:29	0.1	0.1
415	10/27/2015 14:30	0.1	0.1
416	10/27/2015 14:31	0.1	0.1
417	10/27/2015 14:32	0.1	0.1
418	10/27/2015 14:33	0.1	0.1
419	10/27/2015 14:34	0.1	0.1
420	10/27/2015 14:35	0.1	0.1
421	10/27/2015 14:36	0.1	0.1
422	10/27/2015 14:37	0.1	0.1
423	10/27/2015 14:38	0.1	0.1
424	10/27/2015 14:39	0.1	0.1
425	10/27/2015 14:40	0.1	0.1
426	10/27/2015 14:41	0.1	0.1
427	10/27/2015 14:42	0.1	0.1
428	10/27/2015 14:43	0.1	0.1
429	10/27/2015 14:44	0.1	0.1
430	10/27/2015 14:45	0.1	0.1
431	10/27/2015 14:46	0.1	0.1
432	10/27/2015 14:47	0.1	0.1
433	10/27/2015 14:48	0.1	0.1
434	10/27/2015 14:49	0.1	0.1
435	10/27/2015 14:50	0.1	0.1
436	10/27/2015 14:51	0.1	0.1
437	10/27/2015 14:52	0.1	0.1
438	10/27/2015 14:53	0.1	0.1
439	10/27/2015 14:54	0.1	0.1
440	10/27/2015 14:55	0.1	0.1
441	10/27/2015 14:56	0.1	0.1
442	10/27/2015 14:57	0.1	0.1

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
443	10/27/2015 14:58	0.3	0.4
444	10/27/2015 14:59	0.4	0.4
445	10/27/2015 15:00	0.3	0.4
446	10/27/2015 15:01	0.3	0.4
447	10/27/2015 15:02	0.3	0.3
448	10/27/2015 15:03	0.3	0.3
449	10/27/2015 15:04	0.3	0.3
450	10/27/2015 15:05	0.3	0.3
451	10/27/2015 15:06	0.4	0.3
452	10/27/2015 15:07	0.3	0.3
453	10/27/2015 15:08	0.3	0.3
454	10/27/2015 15:09	0.4	0.3
455	10/27/2015 15:10	0.3	0.3
456	10/27/2015 15:11	0.3	0.3
457	10/27/2015 15:12	0.4	0.3
458	10/27/2015 15:13	0.3	0.3
459	10/27/2015 15:14	0.4	0.3
460	10/27/2015 15:15	0.4	0.3
461	10/27/2015 15:16	0.3	0.3
462	10/27/2015 15:17	0.3	0.3
463	10/27/2015 15:18	0.3	0.3
464	10/27/2015 15:19	0.3	0.3
465	10/27/2015 15:20	0.3	0.3
466	10/27/2015 15:21	0.3	0.3
467	10/27/2015 15:22	0.3	0.3
468	10/27/2015 15:23	0.3	0.3
469	10/27/2015 15:24	0.3	0.3
470	10/27/2015 15:25	0.3	0.3
471	10/27/2015 15:26	0.3	0.3
472	10/27/2015 15:27	0.3	0.3
473	10/27/2015 15:28	0.3	0.3

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
443	10/27/2015 14:58	0.1	0.1
444	10/27/2015 14:59	0.1	0.1
445	10/27/2015 15:00	0.1	0.1
446	10/27/2015 15:01	0.1	0.1
447	10/27/2015 15:02	0.1	0.1
448	10/27/2015 15:03	0.1	0.1
449	10/27/2015 15:04	0.1	0.1
450	10/27/2015 15:05	0.1	0.1
451	10/27/2015 15:06	0.1	0.1
452	10/27/2015 15:07	0.1	0.1
453	10/27/2015 15:08	0.1	0.1
454	10/27/2015 15:09	0.1	0.1
455	10/27/2015 15:10	0.1	0.1
456	10/27/2015 15:11	0.1	0.1
457	10/27/2015 15:12	0.1	0.1
458	10/27/2015 15:13	0.1	0.1
459	10/27/2015 15:14	0.1	0.1
460	10/27/2015 15:15	0.1	0.1
461	10/27/2015 15:16	0.1	0.1
462	10/27/2015 15:17	0.1	0.1
463	10/27/2015 15:18	0.1	0.1
464	10/27/2015 15:19	0.1	0.1
465	10/27/2015 15:20	0.1	0.1
466	10/27/2015 15:21	0.1	0.1
467	10/27/2015 15:22	0.1	0.1
468	10/27/2015 15:23	0.1	0.1
469	10/27/2015 15:24	0.1	0.1
470	10/27/2015 15:25	0.1	0.1
471	10/27/2015 15:26	0.1	0.1
472	10/27/2015 15:27	0.1	0.1
473	10/27/2015 15:28	0.1	0.1

Upwind PM-10 Data Summary		
Maximum	0.102	mg/m^3
Minimum	0.002	mg/m^3
Average	0.010	mg/m^3
Maximum 15-Minute Average	0.016	mg/m^3

Downwind PM-10 Data Summary		
Maximum	0.092	mg/m^3
Minimum	-0.005	mg/m^3
Average	0.011	mg/m^3
Maximum 15-Minute Average	0.041	mg/m^3

Tuesday, October 27, 2015
HRPC - IRM - AOC-1
Upwind DustTrak

Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
1	10/27/2015 7:36		
2	10/27/2015 7:37		
3	10/27/2015 7:38		
4	10/27/2015 7:39		
5	10/27/2015 7:40		
6	10/27/2015 7:41	0.013	
7	10/27/2015 7:42	0.102	
8	10/27/2015 7:43	0.004	
9	10/27/2015 7:44	0.007	
10	10/27/2015 7:45	0.002	
11	10/27/2015 7:46	0.010	
12	10/27/2015 7:47	0.004	
13	10/27/2015 7:48	0.004	
14	10/27/2015 7:49	0.004	
15	10/27/2015 7:50	0.002	0.015
16	10/27/2015 7:51	0.002	0.014
17	10/27/2015 7:52	0.005	0.013
18	10/27/2015 7:53	0.003	0.012
19	10/27/2015 7:54	Flow Error	0.012
20	10/27/2015 7:55	Flow Error	0.012
21	10/27/2015 7:56	Flow Error	0.012
22	10/27/2015 7:57	Flow Error	0.004
23	10/27/2015 7:58	Flow Error	0.004
24	10/27/2015 7:59	Flow Error	0.004
25	10/27/2015 8:00	Flow Error	0.004
26	10/27/2015 8:01	Flow Error	0.003
27	10/27/2015 8:02	Flow Error	0.003
28	10/27/2015 8:03	Flow Error	0.003
29	10/27/2015 8:04	Flow Error	0.003
30	10/27/2015 8:05	Flow Error	0.003
31	10/27/2015 8:06	Flow Error	0.004
32	10/27/2015 8:07	Flow Error	0.003
33	10/27/2015 8:08	Flow Error	N/A
34	10/27/2015 8:09	Flow Error	N/A
35	10/27/2015 8:10	Flow Error	N/A
36	10/27/2015 8:11	Flow Error	N/A
37	10/27/2015 8:12	Flow Error	N/A
38	10/27/2015 8:13	Flow Error	N/A
39	10/27/2015 8:14	Flow Error	N/A
40	10/27/2015 8:15	Flow Error	N/A
41	10/27/2015 8:16	Flow Error	N/A

Tuesday, October 27, 2015
HRPC - IRM - AOC-1
Downwind DustTrak

Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
1	10/27/2015 7:36	0.014	
2	10/27/2015 7:37	0.013	
3	10/27/2015 7:38	0.014	
4	10/27/2015 7:39	0.014	
5	10/27/2015 7:40	0.020	
6	10/27/2015 7:41	0.016	
7	10/27/2015 7:42	0.018	
8	10/27/2015 7:43	0.015	
9	10/27/2015 7:44	0.015	
10	10/27/2015 7:45	0.014	
11	10/27/2015 7:46	0.014	
12	10/27/2015 7:47	0.014	
13	10/27/2015 7:48	0.014	
14	10/27/2015 7:49	0.017	
15	10/27/2015 7:50	0.014	0.015
16	10/27/2015 7:51	0.014	0.015
17	10/27/2015 7:52	0.015	0.015
18	10/27/2015 7:53	0.015	0.015
19	10/27/2015 7:54	0.014	0.015
20	10/27/2015 7:55	0.015	0.015
21	10/27/2015 7:56	0.015	0.015
22	10/27/2015 7:57	0.015	0.015
23	10/27/2015 7:58	0.015	0.015
24	10/27/2015 7:59	0.015	0.015
25	10/27/2015 8:00	0.015	0.015
26	10/27/2015 8:01	0.015	0.015
27	10/27/2015 8:02	0.015	0.015
28	10/27/2015 8:03	0.015	0.015
29	10/27/2015 8:04	0.015	0.015
30	10/27/2015 8:05	0.015	0.015
31	10/27/2015 8:06	0.015	0.015
32	10/27/2015 8:07	0.015	0.015
33	10/27/2015 8:08	0.015	0.015
34	10/27/2015 8:09	0.015	0.015
35	10/27/2015 8:10	0.015	0.015
36	10/27/2015 8:11	0.015	0.015
37	10/27/2015 8:12	0.017	0.015
38	10/27/2015 8:13	0.016	0.015
39	10/27/2015 8:14	0.015	0.015
40	10/27/2015 8:15	0.016	0.015
41	10/27/2015 8:16	0.015	0.015

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
42	10/27/2015 8:17	Flow Error	N/A
43	10/27/2015 8:18	Flow Error	N/A
44	10/27/2015 8:19	Flow Error	N/A
45	10/27/2015 8:20	Flow Error	N/A
46	10/27/2015 8:21	Flow Error	N/A
47	10/27/2015 8:22	Flow Error	N/A
48	10/27/2015 8:23	Flow Error	N/A
49	10/27/2015 8:24	Flow Error	N/A
50	10/27/2015 8:25	Flow Error	N/A
51	10/27/2015 8:26	Flow Error	N/A
52	10/27/2015 8:27	Flow Error	N/A
53	10/27/2015 8:28	Flow Error	N/A
54	10/27/2015 8:29	Flow Error	N/A
55	10/27/2015 8:30	Flow Error	N/A
56	10/27/2015 8:31	Flow Error	N/A
57	10/27/2015 8:32	Flow Error	N/A
58	10/27/2015 8:33	Flow Error	N/A
59	10/27/2015 8:34	Flow Error	N/A
60	10/27/2015 8:35	Flow Error	N/A
61	10/27/2015 8:36	Flow Error	N/A
62	10/27/2015 8:37	Flow Error	N/A
63	10/27/2015 8:38	Flow Error	N/A
64	10/27/2015 8:39	Flow Error	N/A
65	10/27/2015 8:40	Flow Error	N/A
66	10/27/2015 8:41	Flow Error	N/A
67	10/27/2015 8:42	Flow Error	N/A
68	10/27/2015 8:43	Flow Error	N/A
69	10/27/2015 8:44	Flow Error	N/A
70	10/27/2015 8:45	Flow Error	N/A
71	10/27/2015 8:46	Flow Error	N/A
72	10/27/2015 8:47	Flow Error	N/A
73	10/27/2015 8:48	Flow Error	N/A
74	10/27/2015 8:49	Flow Error	N/A
75	10/27/2015 8:50	Flow Error	N/A
76	10/27/2015 8:51	Flow Error	N/A
77	10/27/2015 8:52	Flow Error	N/A
78	10/27/2015 8:53	Flow Error	N/A
79	10/27/2015 8:54	Flow Error	N/A
80	10/27/2015 8:55	Flow Error	N/A
81	10/27/2015 8:56	Flow Error	N/A
82	10/27/2015 8:57	Flow Error	N/A
83	10/27/2015 8:58	Flow Error	N/A
84	10/27/2015 8:59	Flow Error	N/A
85	10/27/2015 9:00	Flow Error	N/A
86	10/27/2015 9:01	Flow Error	N/A
87	10/27/2015 9:02	Flow Error	N/A
88	10/27/2015 9:03	Flow Error	N/A
89	10/27/2015 9:04	Flow Error	N/A
90	10/27/2015 9:05	Flow Error	N/A
91	10/27/2015 9:06	Flow Error	N/A

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
42	10/27/2015 8:17	0.016	0.015
43	10/27/2015 8:18	0.016	0.015
44	10/27/2015 8:19	0.016	0.015
45	10/27/2015 8:20	0.016	0.016
46	10/27/2015 8:21	0.016	0.016
47	10/27/2015 8:22	0.017	0.016
48	10/27/2015 8:23	0.016	0.016
49	10/27/2015 8:24	0.017	0.016
50	10/27/2015 8:25	0.017	0.016
51	10/27/2015 8:26	0.017	0.016
52	10/27/2015 8:27	0.017	0.016
53	10/27/2015 8:28	0.017	0.016
54	10/27/2015 8:29	0.017	0.016
55	10/27/2015 8:30	0.017	0.016
56	10/27/2015 8:31	0.017	0.017
57	10/27/2015 8:32	0.017	0.017
58	10/27/2015 8:33	0.017	0.017
59	10/27/2015 8:34	0.017	0.017
60	10/27/2015 8:35	0.017	0.017
61	10/27/2015 8:36	0.017	0.017
62	10/27/2015 8:37	0.017	0.017
63	10/27/2015 8:38	0.019	0.017
64	10/27/2015 8:39	0.018	0.017
65	10/27/2015 8:40	0.018	0.017
66	10/27/2015 8:41	0.017	0.017
67	10/27/2015 8:42	0.017	0.017
68	10/27/2015 8:43	0.017	0.017
69	10/27/2015 8:44	0.017	0.017
70	10/27/2015 8:45	0.017	0.017
71	10/27/2015 8:46	0.017	0.017
72	10/27/2015 8:47	0.017	0.017
73	10/27/2015 8:48	0.017	0.017
74	10/27/2015 8:49	0.017	0.017
75	10/27/2015 8:50	0.017	0.017
76	10/27/2015 8:51	0.017	0.017
77	10/27/2015 8:52	0.017	0.017
78	10/27/2015 8:53	0.017	0.017
79	10/27/2015 8:54	0.017	0.017
80	10/27/2015 8:55	0.017	0.017
81	10/27/2015 8:56	0.017	0.017
82	10/27/2015 8:57	0.017	0.017
83	10/27/2015 8:58	0.017	0.017
84	10/27/2015 8:59	0.017	0.017
85	10/27/2015 9:00	0.017	0.017
86	10/27/2015 9:01	0.016	0.017
87	10/27/2015 9:02	0.017	0.017
88	10/27/2015 9:03	0.020	0.017
89	10/27/2015 9:04	0.020	0.017
90	10/27/2015 9:05	0.016	0.017
91	10/27/2015 9:06	0.033	0.018

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
92	10/27/2015 9:07	Flow Error	N/A
93	10/27/2015 9:08	Flow Error	N/A
94	10/27/2015 9:09	Flow Error	N/A
95	10/27/2015 9:10	Flow Error	N/A
96	10/27/2015 9:11	Flow Error	N/A
97	10/27/2015 9:12	Flow Error	N/A
98	10/27/2015 9:13	Flow Error	N/A
99	10/27/2015 9:14	Flow Error	N/A
100	10/27/2015 9:15	Flow Error	N/A
101	10/27/2015 9:16	Flow Error	N/A
102	10/27/2015 9:17	Flow Error	N/A
103	10/27/2015 9:18	Flow Error	N/A
104	10/27/2015 9:19	Flow Error	N/A
105	10/27/2015 9:20	Flow Error	N/A
106	10/27/2015 9:21	Flow Error	N/A
107	10/27/2015 9:22	Flow Error	N/A
108	10/27/2015 9:23	Flow Error	N/A
109	10/27/2015 9:24	Flow Error	N/A
110	10/27/2015 9:25	Flow Error	N/A
111	10/27/2015 9:26	Flow Error	N/A
112	10/27/2015 9:27	Flow Error	N/A
113	10/27/2015 9:28	Flow Error	N/A
114	10/27/2015 9:29	Flow Error	N/A
115	10/27/2015 9:30	Flow Error	N/A
116	10/27/2015 9:31	Flow Error	N/A
117	10/27/2015 9:32	Flow Error	N/A
118	10/27/2015 9:33	Flow Error	N/A
119	10/27/2015 9:34	Flow Error	N/A
120	10/27/2015 9:35	Flow Error	N/A
121	10/27/2015 9:36	Flow Error	N/A
122	10/27/2015 9:37	Flow Error	N/A
123	10/27/2015 9:38	Flow Error	N/A
124	10/27/2015 9:39	Flow Error	N/A
125	10/27/2015 9:40	Flow Error	N/A
126	10/27/2015 9:41	Flow Error	N/A
127	10/27/2015 9:42	Flow Error	N/A
128	10/27/2015 9:43	Flow Error	N/A
129	10/27/2015 9:44	Flow Error	N/A
130	10/27/2015 9:45	Flow Error	N/A
131	10/27/2015 9:46	Flow Error	N/A
132	10/27/2015 9:47	Flow Error	N/A
133	10/27/2015 9:48	Flow Error	N/A
134	10/27/2015 9:49	Flow Error	N/A
135	10/27/2015 9:50	Flow Error	N/A
136	10/27/2015 9:51	Flow Error	N/A
137	10/27/2015 9:52	Flow Error	N/A
138	10/27/2015 9:53	Flow Error	N/A
139	10/27/2015 9:54	Flow Error	N/A
140	10/27/2015 9:55	Flow Error	N/A
141	10/27/2015 9:56	Flow Error	N/A

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
92	10/27/2015 9:07	0.076	0.022
93	10/27/2015 9:08	0.026	0.023
94	10/27/2015 9:09	0.021	0.023
95	10/27/2015 9:10	0.023	0.024
96	10/27/2015 9:11	0.016	0.023
97	10/27/2015 9:12	0.016	0.023
98	10/27/2015 9:13	0.016	0.023
99	10/27/2015 9:14	0.016	0.023
100	10/27/2015 9:15	0.017	0.023
101	10/27/2015 9:16	0.016	0.023
102	10/27/2015 9:17	0.016	0.023
103	10/27/2015 9:18	0.016	0.023
104	10/27/2015 9:19	0.016	0.023
105	10/27/2015 9:20	0.016	0.023
106	10/27/2015 9:21	0.016	0.022
107	10/27/2015 9:22	0.016	0.018
108	10/27/2015 9:23	0.016	0.017
109	10/27/2015 9:24	0.016	0.017
110	10/27/2015 9:25	0.016	0.016
111	10/27/2015 9:26	0.016	0.016
112	10/27/2015 9:27	0.016	0.016
113	10/27/2015 9:28	0.017	0.016
114	10/27/2015 9:29	0.016	0.016
115	10/27/2015 9:30	0.016	0.016
116	10/27/2015 9:31	0.016	0.016
117	10/27/2015 9:32	0.016	0.016
118	10/27/2015 9:33	0.016	0.016
119	10/27/2015 9:34	0.016	0.016
120	10/27/2015 9:35	0.036	0.017
121	10/27/2015 9:36	0.038	0.019
122	10/27/2015 9:37	0.034	0.020
123	10/27/2015 9:38	0.077	0.024
124	10/27/2015 9:39	0.016	0.024
125	10/27/2015 9:40	0.015	0.024
126	10/27/2015 9:41	0.016	0.024
127	10/27/2015 9:42	0.016	0.024
128	10/27/2015 9:43	0.019	0.024
129	10/27/2015 9:44	0.022	0.025
130	10/27/2015 9:45	0.017	0.025
131	10/27/2015 9:46	0.016	0.025
132	10/27/2015 9:47	0.015	0.025
133	10/27/2015 9:48	0.016	0.025
134	10/27/2015 9:49	0.015	0.025
135	10/27/2015 9:50	0.015	0.023
136	10/27/2015 9:51	0.015	0.022
137	10/27/2015 9:52	0.015	0.020
138	10/27/2015 9:53	0.017	0.016
139	10/27/2015 9:54	0.015	0.016
140	10/27/2015 9:55	0.015	0.016
141	10/27/2015 9:56	0.014	0.016

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
142	10/27/2015 9:57	Flow Error	N/A
143	10/27/2015 9:58	Flow Error	N/A
144	10/27/2015 9:59	Flow Error	N/A
145	10/27/2015 10:00	Flow Error	N/A
146	10/27/2015 10:01	Flow Error	N/A
147	10/27/2015 10:02	Flow Error	N/A
148	10/27/2015 10:03	Flow Error	N/A
149	10/27/2015 10:04	Flow Error	N/A
150	10/27/2015 10:05	Flow Error	N/A
151	10/27/2015 10:06	Flow Error	N/A
152	10/27/2015 10:07	Flow Error	N/A
153	10/27/2015 10:08	Flow Error	N/A
154	10/27/2015 10:09	Flow Error	N/A
155	10/27/2015 10:10	Flow Error	N/A
156	10/27/2015 10:11	Flow Error	N/A
157	10/27/2015 10:12	Flow Error	N/A
158	10/27/2015 10:13	Flow Error	N/A
159	10/27/2015 10:14	Flow Error	N/A
160	10/27/2015 10:15	Flow Error	N/A
161	10/27/2015 10:16	Flow Error	N/A
162	10/27/2015 10:17	Flow Error	N/A
163	10/27/2015 10:18	Flow Error	N/A
164	10/27/2015 10:19	Flow Error	N/A
165	10/27/2015 10:20	Flow Error	N/A
166	10/27/2015 10:21	Flow Error	N/A
167	10/27/2015 10:22	Flow Error	N/A
168	10/27/2015 10:23	Flow Error	N/A
169	10/27/2015 10:24	Flow Error	N/A
170	10/27/2015 10:25	Flow Error	N/A
171	10/27/2015 10:26	Flow Error	N/A
172	10/27/2015 10:27	Flow Error	N/A
173	10/27/2015 10:28	Flow Error	N/A
174	10/27/2015 10:29	Flow Error	N/A
175	10/27/2015 10:30	Flow Error	N/A
176	10/27/2015 10:31	Flow Error	N/A
177	10/27/2015 10:32	Flow Error	N/A
178	10/27/2015 10:33	Flow Error	N/A
179	10/27/2015 10:34	Flow Error	N/A
180	10/27/2015 10:35	Flow Error	N/A
181	10/27/2015 10:36	Flow Error	N/A
182	10/27/2015 10:37	Flow Error	N/A
183	10/27/2015 10:38	Flow Error	N/A
184	10/27/2015 10:39	Flow Error	N/A
185	10/27/2015 10:40	Flow Error	N/A
186	10/27/2015 10:41	Flow Error	N/A
187	10/27/2015 10:42	Flow Error	N/A
188	10/27/2015 10:43	Flow Error	N/A
189	10/27/2015 10:44	Flow Error	N/A
190	10/27/2015 10:45	Flow Error	N/A
191	10/27/2015 10:46	Flow Error	N/A

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
142	10/27/2015 9:57	0.014	0.016
143	10/27/2015 9:58	0.014	0.016
144	10/27/2015 9:59	0.015	0.015
145	10/27/2015 10:00	0.014	0.015
146	10/27/2015 10:01	0.014	0.015
147	10/27/2015 10:02	0.014	0.015
148	10/27/2015 10:03	0.014	0.015
149	10/27/2015 10:04	0.014	0.015
150	10/27/2015 10:05	0.014	0.015
151	10/27/2015 10:06	0.014	0.014
152	10/27/2015 10:07	0.013	0.014
153	10/27/2015 10:08	0.014	0.014
154	10/27/2015 10:09	0.014	0.014
155	10/27/2015 10:10	0.014	0.014
156	10/27/2015 10:11	0.014	0.014
157	10/27/2015 10:12	0.013	0.014
158	10/27/2015 10:13	0.015	0.014
159	10/27/2015 10:14	0.014	0.014
160	10/27/2015 10:15	0.013	0.014
161	10/27/2015 10:16	0.014	0.014
162	10/27/2015 10:17	0.014	0.014
163	10/27/2015 10:18	0.014	0.014
164	10/27/2015 10:19	0.013	0.014
165	10/27/2015 10:20	0.015	0.014
166	10/27/2015 10:21	0.014	0.014
167	10/27/2015 10:22	0.018	0.014
168	10/27/2015 10:23	0.027	0.015
169	10/27/2015 10:24	0.019	0.015
170	10/27/2015 10:25	0.014	0.015
171	10/27/2015 10:26	0.017	0.016
172	10/27/2015 10:27	0.018	0.016
173	10/27/2015 10:28	0.017	0.016
174	10/27/2015 10:29	0.013	0.016
175	10/27/2015 10:30	0.016	0.016
176	10/27/2015 10:31	0.022	0.017
177	10/27/2015 10:32	0.014	0.017
178	10/27/2015 10:33	0.012	0.017
179	10/27/2015 10:34	0.011	0.016
180	10/27/2015 10:35	0.012	0.016
181	10/27/2015 10:36	0.012	0.016
182	10/27/2015 10:37	0.012	0.016
183	10/27/2015 10:38	0.012	0.015
184	10/27/2015 10:39	0.012	0.014
185	10/27/2015 10:40	0.012	0.014
186	10/27/2015 10:41	0.012	0.014
187	10/27/2015 10:42	0.013	0.013
188	10/27/2015 10:43	0.015	0.013
189	10/27/2015 10:44	0.015	0.013
190	10/27/2015 10:45	0.019	0.014
191	10/27/2015 10:46	0.025	0.014

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
192	10/27/2015 10:47	Flow Error	N/A
193	10/27/2015 10:48	Flow Error	N/A
194	10/27/2015 10:49	Flow Error	N/A
195	10/27/2015 10:50	Flow Error	N/A
196	10/27/2015 10:51	Flow Error	N/A
197	10/27/2015 10:52	Flow Error	N/A
198	10/27/2015 10:53	Flow Error	N/A
199	10/27/2015 10:54	0.006	0.006
200	10/27/2015 10:55	0.010	0.008
201	10/27/2015 10:56	0.032	0.016
202	10/27/2015 10:57	0.011	0.015
203	10/27/2015 10:58	0.006	0.013
204	10/27/2015 10:59	0.003	0.011
205	10/27/2015 11:00	0.008	0.011
206	10/27/2015 11:01	0.002	0.010
207	10/27/2015 11:02	0.025	0.011
208	10/27/2015 11:03	0.021	0.012
209	10/27/2015 11:04	0.002	0.011
210	10/27/2015 11:05	0.003	0.011
211	10/27/2015 11:06	0.004	0.010
212	10/27/2015 11:07	Flow Error	0.010
213	10/27/2015 11:08	Flow Error	0.010
214	10/27/2015 11:09	Flow Error	0.011
215	10/27/2015 11:10	Flow Error	0.011
216	10/27/2015 11:11	Flow Error	0.009
217	10/27/2015 11:12	Flow Error	0.008
218	10/27/2015 11:13	Flow Error	0.009
219	10/27/2015 11:14	Flow Error	0.009
220	10/27/2015 11:15	Flow Error	0.010
221	10/27/2015 11:16	Flow Error	0.011
222	10/27/2015 11:17	Flow Error	0.008
223	10/27/2015 11:18	Flow Error	0.003
224	10/27/2015 11:19	Flow Error	0.004
225	10/27/2015 11:20	Flow Error	0.004
226	10/27/2015 11:21	Flow Error	N/A
227	10/27/2015 11:22	Flow Error	N/A
228	10/27/2015 11:23	Flow Error	N/A
229	10/27/2015 11:24	Flow Error	N/A
230	10/27/2015 11:25	Flow Error	N/A
231	10/27/2015 11:26	Flow Error	N/A
232	10/27/2015 11:27	Flow Error	N/A
233	10/27/2015 11:28	Flow Error	N/A
234	10/27/2015 11:29	Flow Error	N/A
235	10/27/2015 11:30	Flow Error	N/A
236	10/27/2015 11:31	Flow Error	N/A
237	10/27/2015 11:32	Flow Error	N/A
238	10/27/2015 11:33	Flow Error	N/A
239	10/27/2015 11:34	Flow Error	N/A
240	10/27/2015 11:35	Flow Error	N/A
241	10/27/2015 11:36	Flow Error	N/A

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
192	10/27/2015 10:47	0.022	0.014
193	10/27/2015 10:48	0.018	0.015
194	10/27/2015 10:49	0.016	0.015
195	10/27/2015 10:50	0.018	0.016
196	10/27/2015 10:51	0.016	0.016
197	10/27/2015 10:52	0.013	0.016
198	10/27/2015 10:53	0.013	0.016
199	10/27/2015 10:54	0.015	0.016
200	10/27/2015 10:55	0.018	0.017
201	10/27/2015 10:56	0.019	0.017
202	10/27/2015 10:57	0.014	0.017
203	10/27/2015 10:58	0.014	0.017
204	10/27/2015 10:59	0.012	0.017
205	10/27/2015 11:00	0.012	0.016
206	10/27/2015 11:01	0.014	0.016
207	10/27/2015 11:02	0.013	0.015
208	10/27/2015 11:03	0.013	0.015
209	10/27/2015 11:04	0.012	0.014
210	10/27/2015 11:05	0.012	0.014
211	10/27/2015 11:06	0.012	0.014
212	10/27/2015 11:07	0.012	0.014
213	10/27/2015 11:08	0.011	0.014
214	10/27/2015 11:09	0.011	0.013
215	10/27/2015 11:10	0.011	0.013
216	10/27/2015 11:11	0.011	0.012
217	10/27/2015 11:12	0.011	0.012
218	10/27/2015 11:13	0.010	0.012
219	10/27/2015 11:14	0.010	0.012
220	10/27/2015 11:15	0.011	0.012
221	10/27/2015 11:16	0.010	0.011
222	10/27/2015 11:17	0.011	0.011
223	10/27/2015 11:18	0.010	0.011
224	10/27/2015 11:19	0.010	0.011
225	10/27/2015 11:20	0.010	0.011
226	10/27/2015 11:21	0.010	0.011
227	10/27/2015 11:22	0.010	0.010
228	10/27/2015 11:23	0.009	0.010
229	10/27/2015 11:24	0.014	0.011
230	10/27/2015 11:25	0.015	0.011
231	10/27/2015 11:26	0.012	0.011
232	10/27/2015 11:27	0.016	0.011
233	10/27/2015 11:28	0.013	0.011
234	10/27/2015 11:29	0.010	0.011
235	10/27/2015 11:30	0.009	0.011
236	10/27/2015 11:31	0.014	0.012
237	10/27/2015 11:32	0.008	0.011
238	10/27/2015 11:33	0.010	0.011
239	10/27/2015 11:34	0.008	0.011
240	10/27/2015 11:35	0.008	0.011
241	10/27/2015 11:36	0.008	0.011

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
242	10/27/2015 11:37	Flow Error	N/A
243	10/27/2015 11:38	Flow Error	N/A
244	10/27/2015 11:39	Flow Error	N/A
245	10/27/2015 11:40	Flow Error	N/A
246	10/27/2015 11:41	Flow Error	N/A
247	10/27/2015 11:42	Flow Error	N/A
248	10/27/2015 11:43	Flow Error	N/A
249	10/27/2015 11:44	Flow Error	N/A
250	10/27/2015 11:45	Flow Error	N/A
251	10/27/2015 11:46	Flow Error	N/A
252	10/27/2015 11:47	Flow Error	N/A
253	10/27/2015 11:48	Flow Error	N/A
254	10/27/2015 11:49	Flow Error	N/A
255	10/27/2015 11:50	Flow Error	N/A
256	10/27/2015 11:51	Flow Error	N/A
257	10/27/2015 11:52	Flow Error	N/A
258	10/27/2015 11:53	Flow Error	N/A
259	10/27/2015 11:54	Flow Error	N/A
260	10/27/2015 11:55	Flow Error	N/A
261	10/27/2015 11:56	Flow Error	N/A
262	10/27/2015 11:57	Flow Error	N/A
263	10/27/2015 11:58	Flow Error	N/A
264	10/27/2015 11:59	Flow Error	N/A
265	10/27/2015 12:00	Flow Error	N/A
266	10/27/2015 12:01	Flow Error	N/A
267	10/27/2015 12:02	Flow Error	N/A
268	10/27/2015 12:03	Flow Error	N/A
269	10/27/2015 12:04	Flow Error	N/A
270	10/27/2015 12:05	Flow Error	N/A
271	10/27/2015 12:06	Flow Error	N/A
272	10/27/2015 12:07	Flow Error	N/A
273	10/27/2015 12:08	Flow Error	N/A
274	10/27/2015 12:09	Flow Error	N/A
275	10/27/2015 12:10	Flow Error	N/A
276	10/27/2015 12:11	Flow Error	N/A
277	10/27/2015 12:12	Flow Error	N/A
278	10/27/2015 12:13	Flow Error	N/A
279	10/27/2015 12:14	Flow Error	N/A
280	10/27/2015 12:15	Flow Error	N/A
281	10/27/2015 12:16	Flow Error	N/A
282	10/27/2015 12:17	Flow Error	N/A
283	10/27/2015 12:18	Flow Error	N/A
284	10/27/2015 12:19	Flow Error	N/A
285	10/27/2015 12:20	Flow Error	N/A
286	10/27/2015 12:21	Flow Error	N/A
287	10/27/2015 12:22	Flow Error	N/A
288	10/27/2015 12:23	Flow Error	N/A
289	10/27/2015 12:24	Flow Error	N/A
290	10/27/2015 12:25	Flow Error	N/A
291	10/27/2015 12:26	Flow Error	N/A

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
242	10/27/2015 11:37	0.007	0.011
243	10/27/2015 11:38	0.007	0.011
244	10/27/2015 11:39	0.007	0.010
245	10/27/2015 11:40	0.007	0.010
246	10/27/2015 11:41	0.008	0.009
247	10/27/2015 11:42	0.007	0.009
248	10/27/2015 11:43	0.007	0.008
249	10/27/2015 11:44	0.009	0.008
250	10/27/2015 11:45	0.010	0.008
251	10/27/2015 11:46	0.007	0.008
252	10/27/2015 11:47	0.006	0.008
253	10/27/2015 11:48	0.007	0.008
254	10/27/2015 11:49	0.007	0.007
255	10/27/2015 11:50	0.009	0.008
256	10/27/2015 11:51	0.011	0.008
257	10/27/2015 11:52	0.006	0.008
258	10/27/2015 11:53	0.007	0.008
259	10/27/2015 11:54	0.005	0.008
260	10/27/2015 11:55	0.006	0.007
261	10/27/2015 11:56	0.005	0.007
262	10/27/2015 11:57	0.005	0.007
263	10/27/2015 11:58	0.005	0.007
264	10/27/2015 11:59	0.005	0.007
265	10/27/2015 12:00	0.005	0.006
266	10/27/2015 12:01	0.004	0.006
267	10/27/2015 12:02	0.004	0.006
268	10/27/2015 12:03	0.004	0.006
269	10/27/2015 12:04	0.003	0.006
270	10/27/2015 12:05	0.003	0.005
271	10/27/2015 12:06	0.003	0.005
272	10/27/2015 12:07	0.003	0.004
273	10/27/2015 12:08	0.003	0.004
274	10/27/2015 12:09	0.003	0.004
275	10/27/2015 12:10	0.003	0.004
276	10/27/2015 12:11	0.003	0.004
277	10/27/2015 12:12	0.003	0.004
278	10/27/2015 12:13	0.003	0.003
279	10/27/2015 12:14	0.003	0.003
280	10/27/2015 12:15	0.003	0.003
281	10/27/2015 12:16	0.002	0.003
282	10/27/2015 12:17	0.003	0.003
283	10/27/2015 12:18	0.003	0.003
284	10/27/2015 12:19	0.002	0.003
285	10/27/2015 12:20	0.002	0.003
286	10/27/2015 12:21	0.002	0.003
287	10/27/2015 12:22	0.002	0.003
288	10/27/2015 12:23	0.001	0.003
289	10/27/2015 12:24	0.002	0.002
290	10/27/2015 12:25	0.002	0.002
291	10/27/2015 12:26	0.002	0.002

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
292	10/27/2015 12:27	Flow Error	N/A
293	10/27/2015 12:28	Flow Error	N/A
294	10/27/2015 12:29	Flow Error	N/A
295	10/27/2015 12:30	Flow Error	N/A
296	10/27/2015 12:31	Flow Error	N/A
297	10/27/2015 12:32	Flow Error	N/A
298	10/27/2015 12:33	Flow Error	N/A
299	10/27/2015 12:34	Flow Error	N/A
300	10/27/2015 12:35	Flow Error	N/A
301	10/27/2015 12:36	Flow Error	N/A
302	10/27/2015 12:37	Flow Error	N/A
303	10/27/2015 12:38	Flow Error	N/A
304	10/27/2015 12:39	Flow Error	N/A
305	10/27/2015 12:40	Flow Error	N/A
306	10/27/2015 12:41	Flow Error	N/A
307	10/27/2015 12:42	Flow Error	N/A
308	10/27/2015 12:43	Flow Error	N/A
309	10/27/2015 12:44	Flow Error	N/A
310	10/27/2015 12:45	Flow Error	N/A
311	10/27/2015 12:46	Flow Error	N/A
312	10/27/2015 12:47	Flow Error	N/A
313	10/27/2015 12:48	Flow Error	N/A
314	10/27/2015 12:49	Flow Error	N/A
315	10/27/2015 12:50	Flow Error	N/A
316	10/27/2015 12:51	Flow Error	N/A
317	10/27/2015 12:52	Flow Error	N/A
318	10/27/2015 12:53	Flow Error	N/A
319	10/27/2015 12:54	Flow Error	N/A
320	10/27/2015 12:55	Flow Error	N/A
321	10/27/2015 12:56	Flow Error	N/A
322	10/27/2015 12:57	Flow Error	N/A
323	10/27/2015 12:58	Flow Error	N/A
324	10/27/2015 12:59	Flow Error	N/A
325	10/27/2015 13:00	Flow Error	N/A
326	10/27/2015 13:01	Flow Error	N/A
327	10/27/2015 13:02	Flow Error	N/A
328	10/27/2015 13:03	Flow Error	N/A
329	10/27/2015 13:04	Flow Error	N/A
330	10/27/2015 13:05	Flow Error	N/A
331	10/27/2015 13:06	Flow Error	N/A
332	10/27/2015 13:07	Flow Error	N/A
333	10/27/2015 13:08	Flow Error	N/A
334	10/27/2015 13:09	Flow Error	N/A
335	10/27/2015 13:10	Flow Error	N/A
336	10/27/2015 13:11	Flow Error	N/A
337	10/27/2015 13:12	Flow Error	N/A
338	10/27/2015 13:13	Flow Error	N/A
339	10/27/2015 13:14	Flow Error	N/A
340	10/27/2015 13:15	Flow Error	N/A
341	10/27/2015 13:16	Flow Error	N/A

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
292	10/27/2015 12:27	0.002	0.002
293	10/27/2015 12:28	0.002	0.002
294	10/27/2015 12:29	0.002	0.002
295	10/27/2015 12:30	0.004	0.002
296	10/27/2015 12:31	0.004	0.002
297	10/27/2015 12:32	0.003	0.002
298	10/27/2015 12:33	0.003	0.002
299	10/27/2015 12:34	0.002	0.002
300	10/27/2015 12:35	0.002	0.002
301	10/27/2015 12:36	0.005	0.003
302	10/27/2015 12:37	0.004	0.003
303	10/27/2015 12:38	0.007	0.003
304	10/27/2015 12:39	0.003	0.003
305	10/27/2015 12:40	0.002	0.003
306	10/27/2015 12:41	0.002	0.003
307	10/27/2015 12:42	0.001	0.003
308	10/27/2015 12:43	0.000	0.003
309	10/27/2015 12:44	0.001	0.003
310	10/27/2015 12:45	0.000	0.003
311	10/27/2015 12:46	0.001	0.002
312	10/27/2015 12:47	0.000	0.002
313	10/27/2015 12:48	0.000	0.002
314	10/27/2015 12:49	0.001	0.002
315	10/27/2015 12:50	0.000	0.002
316	10/27/2015 12:51	0.001	0.002
317	10/27/2015 12:52	0.001	0.001
318	10/27/2015 12:53	0.001	0.001
319	10/27/2015 12:54	0.001	0.001
320	10/27/2015 12:55	0.001	0.001
321	10/27/2015 12:56	0.001	0.001
322	10/27/2015 12:57	0.001	0.001
323	10/27/2015 12:58	0.000	0.001
324	10/27/2015 12:59	0.000	0.001
325	10/27/2015 13:00	0.000	0.001
326	10/27/2015 13:01	0.000	0.001
327	10/27/2015 13:02	0.001	0.001
328	10/27/2015 13:03	0.000	0.001
329	10/27/2015 13:04	0.000	0.001
330	10/27/2015 13:05	0.000	0.001
331	10/27/2015 13:06	0.000	0.000
332	10/27/2015 13:07	0.000	0.000
333	10/27/2015 13:08	0.000	0.000
334	10/27/2015 13:09	0.000	0.000
335	10/27/2015 13:10	0.000	0.000
336	10/27/2015 13:11	0.000	0.000
337	10/27/2015 13:12	0.000	0.000
338	10/27/2015 13:13	0.000	0.000
339	10/27/2015 13:14	0.000	0.000
340	10/27/2015 13:15	0.000	0.000
341	10/27/2015 13:16	0.000	0.000

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
342	10/27/2015 13:17	Flow Error	N/A
343	10/27/2015 13:18	Flow Error	N/A
344	10/27/2015 13:19	Flow Error	N/A
345	10/27/2015 13:20	Flow Error	N/A
346	10/27/2015 13:21	Flow Error	N/A
347	10/27/2015 13:22	Flow Error	N/A
348	10/27/2015 13:23	Flow Error	N/A
349	10/27/2015 13:24	Flow Error	N/A
350	10/27/2015 13:25	Flow Error	N/A
351	10/27/2015 13:26	Flow Error	N/A
352	10/27/2015 13:27	Flow Error	N/A
353	10/27/2015 13:28	Flow Error	N/A
354	10/27/2015 13:29	Flow Error	N/A
355	10/27/2015 13:30	Flow Error	N/A
356	10/27/2015 13:31	Flow Error	N/A
357	10/27/2015 13:32	Flow Error	N/A
358	10/27/2015 13:33	Flow Error	N/A
359	10/27/2015 13:34	Flow Error	N/A
360	10/27/2015 13:35	Flow Error	N/A
361	10/27/2015 13:36	Flow Error	N/A
362	10/27/2015 13:37	Flow Error	N/A
363	10/27/2015 13:38	Flow Error	N/A
364	10/27/2015 13:39	Flow Error	N/A
365	10/27/2015 13:40	Flow Error	N/A
366	10/27/2015 13:41	Flow Error	N/A
367	10/27/2015 13:42	Flow Error	N/A
368	10/27/2015 13:43	Flow Error	N/A
369	10/27/2015 13:44	Flow Error	N/A
370	10/27/2015 13:45	Flow Error	N/A
371	10/27/2015 13:46	Flow Error	N/A
372	10/27/2015 13:47	Flow Error	N/A
373	10/27/2015 13:48	Flow Error	N/A
374	10/27/2015 13:49	Flow Error	N/A
375	10/27/2015 13:50	Flow Error	N/A
376	10/27/2015 13:51	Flow Error	N/A
377	10/27/2015 13:52	Flow Error	N/A
378	10/27/2015 13:53	Flow Error	N/A
379	10/27/2015 13:54	Flow Error	N/A
380	10/27/2015 13:55	Flow Error	N/A
381	10/27/2015 13:56	Flow Error	N/A
382	10/27/2015 13:57	Flow Error	N/A
383	10/27/2015 13:58	Flow Error	N/A
384	10/27/2015 13:59	Flow Error	N/A
385	10/27/2015 14:00	Flow Error	N/A
386	10/27/2015 14:01	Flow Error	N/A
387	10/27/2015 14:02	Flow Error	N/A
388	10/27/2015 14:03	Flow Error	N/A
389	10/27/2015 14:04	Flow Error	N/A
390	10/27/2015 14:05	Flow Error	N/A
391	10/27/2015 14:06	Flow Error	N/A

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
342	10/27/2015 13:17	0.000	0.000
343	10/27/2015 13:18	0.001	0.000
344	10/27/2015 13:19	0.000	0.000
345	10/27/2015 13:20	0.000	0.000
346	10/27/2015 13:21	0.001	0.000
347	10/27/2015 13:22	0.000	0.000
348	10/27/2015 13:23	0.000	0.000
349	10/27/2015 13:24	0.000	0.000
350	10/27/2015 13:25	0.000	0.000
351	10/27/2015 13:26	0.000	0.000
352	10/27/2015 13:27	0.000	0.000
353	10/27/2015 13:28	0.000	0.000
354	10/27/2015 13:29	0.000	0.000
355	10/27/2015 13:30	0.000	0.000
356	10/27/2015 13:31	0.000	0.000
357	10/27/2015 13:32	0.000	0.000
358	10/27/2015 13:33	0.000	0.000
359	10/27/2015 13:34	0.000	0.000
360	10/27/2015 13:35	0.000	0.000
361	10/27/2015 13:36	0.000	0.000
362	10/27/2015 13:37	0.000	0.000
363	10/27/2015 13:38	0.000	0.000
364	10/27/2015 13:39	0.000	0.000
365	10/27/2015 13:40	0.000	0.000
366	10/27/2015 13:41	0.000	0.000
367	10/27/2015 13:42	0.000	0.000
368	10/27/2015 13:43	0.000	0.000
369	10/27/2015 13:44	0.000	0.000
370	10/27/2015 13:45	0.000	0.000
371	10/27/2015 13:46	0.000	0.000
372	10/27/2015 13:47	0.000	0.000
373	10/27/2015 13:48	0.000	0.000
374	10/27/2015 13:49	0.000	0.000
375	10/27/2015 13:50	0.000	0.000
376	10/27/2015 13:51	0.000	0.000
377	10/27/2015 13:52	0.000	0.000
378	10/27/2015 13:53	0.000	0.000
379	10/27/2015 13:54	0.000	0.000
380	10/27/2015 13:55	0.000	0.000
381	10/27/2015 13:56	0.001	0.000
382	10/27/2015 13:57	0.000	0.000
383	10/27/2015 13:58	0.000	0.000
384	10/27/2015 13:59	0.002	0.000
385	10/27/2015 14:00	0.001	0.000
386	10/27/2015 14:01	0.002	0.000
387	10/27/2015 14:02	0.000	0.000
388	10/27/2015 14:03	0.000	0.000
389	10/27/2015 14:04	0.000	0.000
390	10/27/2015 14:05	0.000	0.000
391	10/27/2015 14:06	0.000	0.000

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
392	10/27/2015 14:07	Flow Error	N/A
393	10/27/2015 14:08	Flow Error	N/A
394	10/27/2015 14:09	Flow Error	N/A
395	10/27/2015 14:10	Flow Error	N/A
396	10/27/2015 14:11	Flow Error	N/A
397	10/27/2015 14:12	Flow Error	N/A
398	10/27/2015 14:13	Flow Error	N/A
399	10/27/2015 14:14	Flow Error	N/A
400	10/27/2015 14:15	Flow Error	N/A
401	10/27/2015 14:16	Flow Error	N/A
402	10/27/2015 14:17	Flow Error	N/A
403	10/27/2015 14:18	Flow Error	N/A
404	10/27/2015 14:19	Flow Error	N/A
405	10/27/2015 14:20	Flow Error	N/A
406	10/27/2015 14:21	Flow Error	N/A
407	10/27/2015 14:22	Flow Error	N/A
408	10/27/2015 14:23	Flow Error	N/A
409	10/27/2015 14:24	Flow Error	N/A
410	10/27/2015 14:25	Flow Error	N/A
411	10/27/2015 14:26	Flow Error	N/A
412	10/27/2015 14:27	Flow Error	N/A
413	10/27/2015 14:28	Flow Error	N/A
414	10/27/2015 14:29	Flow Error	N/A
415	10/27/2015 14:30	Flow Error	N/A
416	10/27/2015 14:31	Flow Error	N/A
417	10/27/2015 14:32	Flow Error	N/A
418	10/27/2015 14:33	Flow Error	N/A
419	10/27/2015 14:34	Flow Error	N/A
420	10/27/2015 14:35	Flow Error	N/A
421	10/27/2015 14:36	Flow Error	N/A
422	10/27/2015 14:37	Flow Error	N/A
423	10/27/2015 14:38	Flow Error	N/A
424	10/27/2015 14:39	Flow Error	N/A
425	10/27/2015 14:40	Flow Error	N/A
426	10/27/2015 14:41	Flow Error	N/A
427	10/27/2015 14:42	Flow Error	N/A
428	10/27/2015 14:43	Flow Error	N/A
429	10/27/2015 14:44	Flow Error	N/A
430	10/27/2015 14:45	Flow Error	N/A
431	10/27/2015 14:46	Flow Error	N/A
432	10/27/2015 14:47	Flow Error	N/A
433	10/27/2015 14:48	Flow Error	N/A
434	10/27/2015 14:49	Flow Error	N/A
435	10/27/2015 14:50	Flow Error	N/A
436	10/27/2015 14:51	Flow Error	N/A
437	10/27/2015 14:52	Flow Error	N/A
438	10/27/2015 14:53	Flow Error	N/A
439	10/27/2015 14:54	Flow Error	N/A
440	10/27/2015 14:55	Flow Error	N/A
441	10/27/2015 14:56	Flow Error	N/A

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
392	10/27/2015 14:07	0.000	0.000
393	10/27/2015 14:08	0.000	0.000
394	10/27/2015 14:09	0.000	0.000
395	10/27/2015 14:10	0.000	0.000
396	10/27/2015 14:11	0.000	0.000
397	10/27/2015 14:12	0.000	0.000
398	10/27/2015 14:13	0.000	0.000
399	10/27/2015 14:14	0.000	0.000
400	10/27/2015 14:15	0.000	0.000
401	10/27/2015 14:16	0.000	0.000
402	10/27/2015 14:17	0.000	0.000
403	10/27/2015 14:18	0.000	0.000
404	10/27/2015 14:19	0.000	0.000
405	10/27/2015 14:20	0.000	0.000
406	10/27/2015 14:21	0.000	0.000
407	10/27/2015 14:22	0.001	0.000
408	10/27/2015 14:23	0.000	0.000
409	10/27/2015 14:24	0.000	0.000
410	10/27/2015 14:25	0.000	0.000
411	10/27/2015 14:26	0.000	0.000
412	10/27/2015 14:27	0.000	0.000
413	10/27/2015 14:28	0.000	0.000
414	10/27/2015 14:29	0.000	0.000
415	10/27/2015 14:30	0.000	0.000
416	10/27/2015 14:31	0.000	0.000
417	10/27/2015 14:32	0.000	0.000
418	10/27/2015 14:33	-0.005	0.000
419	10/27/2015 14:34	-0.005	-0.001
420	10/27/2015 14:35	-0.004	-0.001
421	10/27/2015 14:36	-0.002	-0.001
422	10/27/2015 14:37	0.000	-0.001
423	10/27/2015 14:38	0.007	-0.001
424	10/27/2015 14:39	0.009	0.000
425	10/27/2015 14:40	0.008	0.001
426	10/27/2015 14:41	0.008	0.001
427	10/27/2015 14:42	0.007	0.002
428	10/27/2015 14:43	0.021	0.003
429	10/27/2015 14:44	0.033	0.005
430	10/27/2015 14:45	0.051	0.009
431	10/27/2015 14:46	0.040	0.011
432	10/27/2015 14:47	0.051	0.015
433	10/27/2015 14:48	0.024	0.017
434	10/27/2015 14:49	0.036	0.019
435	10/27/2015 14:50	0.029	0.021
436	10/27/2015 14:51	0.028	0.023
437	10/27/2015 14:52	0.035	0.026
438	10/27/2015 14:53	0.073	0.030
439	10/27/2015 14:54	0.050	0.033
440	10/27/2015 14:55	0.045	0.035
441	10/27/2015 14:56	0.037	0.037

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
442	10/27/2015 14:57	Flow Error	N/A
443	10/27/2015 14:58	Flow Error	N/A
444	10/27/2015 14:59	Flow Error	N/A
445	10/27/2015 15:00	Flow Error	N/A
446	10/27/2015 15:01	Flow Error	N/A
447	10/27/2015 15:02	Flow Error	N/A
448	10/27/2015 15:03	Flow Error	N/A
449	10/27/2015 15:04	Flow Error	N/A
450	10/27/2015 15:05	Flow Error	N/A
451	10/27/2015 15:06	Flow Error	N/A
452	10/27/2015 15:07	Flow Error	N/A
453	10/27/2015 15:08	Flow Error	N/A
454	10/27/2015 15:09	Flow Error	N/A
455	10/27/2015 15:10	Flow Error	N/A
456	10/27/2015 15:11	Flow Error	N/A
457	10/27/2015 15:12	Flow Error	N/A
458	10/27/2015 15:13	Flow Error	N/A
459	10/27/2015 15:14	Flow Error	N/A
460	10/27/2015 15:15	Flow Error	N/A
461	10/27/2015 15:16	Flow Error	N/A
462	10/27/2015 15:17	Flow Error	N/A
463	10/27/2015 15:18	Flow Error	N/A
464	10/27/2015 15:19	Flow Error	N/A
465	10/27/2015 15:20	Flow Error	N/A
466	10/27/2015 15:21	Flow Error	N/A
467	10/27/2015 15:22	Flow Error	N/A
468	10/27/2015 15:23	Flow Error	N/A
469	10/27/2015 15:24	Flow Error	N/A
470	10/27/2015 15:25	Flow Error	N/A
471	10/27/2015 15:26	Flow Error	N/A
472	10/27/2015 15:27	Flow Error	N/A
473	10/27/2015 15:28	Flow Error	N/A

Tuesday, October 27, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
442	10/27/2015 14:57	0.033	0.039
443	10/27/2015 14:58	0.039	0.040
444	10/27/2015 14:59	0.040	0.041
445	10/27/2015 15:00	0.008	0.038
446	10/27/2015 15:01	0.012	0.036
447	10/27/2015 15:02	0.014	0.034
448	10/27/2015 15:03	0.028	0.034
449	10/27/2015 15:04	0.013	0.032
450	10/27/2015 15:05	0.003	0.031
451	10/27/2015 15:06	0.017	0.030
452	10/27/2015 15:07	0.013	0.028
453	10/27/2015 15:08	0.023	0.025
454	10/27/2015 15:09	0.032	0.024
455	10/27/2015 15:10	0.017	0.022
456	10/27/2015 15:11	0.020	0.021
457	10/27/2015 15:12	0.018	0.020
458	10/27/2015 15:13	0.011	0.018
459	10/27/2015 15:14	0.011	0.016
460	10/27/2015 15:15	0.007	0.016
461	10/27/2015 15:16	0.011	0.016
462	10/27/2015 15:17	0.092	0.021
463	10/27/2015 15:18	0.023	0.021
464	10/27/2015 15:19	0.005	0.020
465	10/27/2015 15:20	0.036	0.022
466	10/27/2015 15:21	0.040	0.024
467	10/27/2015 15:22	0.020	0.024
468	10/27/2015 15:23	0.004	0.023
469	10/27/2015 15:24	0.003	0.021
470	10/27/2015 15:25	0.000	0.020
471	10/27/2015 15:26	0.002	0.019
472	10/27/2015 15:27	0.003	0.018
473	10/27/2015 15:28	0.001	0.017

Upwind VOC Data Summary		
Maximum	0.2	ppm
Minimum	0.0	ppm
Average	0.1	ppm
Maximum 15-Minute Average	#DIV/0!	ppm

Downwind VOC Data Summary		
Maximum	0.1	ppm
Minimum	0.0	ppm
Average	0.0	ppm
Maximum 15-Minute Average	#DIV/0!	ppm

Wednesday, October 28, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
1	10/28/2015 7:14		
2	10/28/2015 7:15		
3	10/28/2015 7:16		
4	10/28/2015 7:17		
5	10/28/2015 7:18		
6	10/28/2015 7:19	0.0	
7	10/28/2015 7:20	0.0	
8	10/28/2015 7:21	0.0	
9	10/28/2015 7:22	0.0	
10	10/28/2015 7:23	0.0	
11	10/28/2015 7:24	0.0	
12	10/28/2015 7:25	0.0	
13	10/28/2015 7:26	0.0	
14	10/28/2015 7:27	0.0	
15	10/28/2015 7:28	0.0	0.0
16	10/28/2015 7:29	0.0	0.0
17	10/28/2015 7:30	0.0	0.0
18	10/28/2015 7:31	0.0	0.0
19	10/28/2015 7:32	0.0	0.0
20	10/28/2015 7:33	0.0	0.0
21	10/28/2015 7:34	0.0	0.0
22	10/28/2015 7:35	0.0	0.0
23	10/28/2015 7:36	0.0	0.0
24	10/28/2015 7:37	0.1	0.0
25	10/28/2015 7:38	0.1	0.0
26	10/28/2015 7:39	0.1	0.0
27	10/28/2015 7:40	0.1	0.0
28	10/28/2015 7:41	0.1	0.0
29	10/28/2015 7:42	0.1	0.0
30	10/28/2015 7:43	0.1	0.0
31	10/28/2015 7:44	0.1	0.0
32	10/28/2015 7:45	0.1	0.1
33	10/28/2015 7:46	0.1	0.1
34	10/28/2015 7:47	0.1	0.1
35	10/28/2015 7:48	0.1	0.1
36	10/28/2015 7:49	0.1	0.1
37	10/28/2015 7:50	0.1	0.1
38	10/28/2015 7:51	0.1	0.1
39	10/28/2015 7:52	0.1	0.1
40	10/28/2015 7:53	0.1	0.1
41	10/28/2015 7:54	0.1	0.1
42	10/28/2015 7:55	0.1	0.1

Wednesday, October 28, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
1	10/28/2015 7:14	0.0	
2	10/28/2015 7:15	0.0	
3	10/28/2015 7:16	0.0	
4	10/28/2015 7:17	0.0	
5	10/28/2015 7:18	0.0	
6	10/28/2015 7:19	0.0	
7	10/28/2015 7:20	0.0	
8	10/28/2015 7:21	0.0	
9	10/28/2015 7:22	0.0	
10	10/28/2015 7:23	0.0	
11	10/28/2015 7:24	0.0	
12	10/28/2015 7:25	0.0	
13	10/28/2015 7:26	0.0	
14	10/28/2015 7:27	0.0	
15	10/28/2015 7:28	0.0	0.0
16	10/28/2015 7:29	0.0	0.0
17	10/28/2015 7:30	0.0	0.0
18	10/28/2015 7:31	0.0	0.0
19	10/28/2015 7:32	0.0	0.0
20	10/28/2015 7:33	0.0	0.0
21	10/28/2015 7:34	0.0	0.0
22	10/28/2015 7:35	0.0	0.0
23	10/28/2015 7:36	0.0	0.0
24	10/28/2015 7:37	0.0	0.0
25	10/28/2015 7:38	0.0	0.0
26	10/28/2015 7:39	0.0	0.0
27	10/28/2015 7:40	0.0	0.0
28	10/28/2015 7:41	0.0	0.0
29	10/28/2015 7:42	0.0	0.0
30	10/28/2015 7:43	0.0	0.0
31	10/28/2015 7:44	0.0	0.0
32	10/28/2015 7:45	0.0	0.0
33	10/28/2015 7:46	0.0	0.0
34	10/28/2015 7:47	0.0	0.0
35	10/28/2015 7:48	0.0	0.0
36	10/28/2015 7:49	0.0	0.0
37	10/28/2015 7:50	0.0	0.0
38	10/28/2015 7:51	0.0	0.0
39	10/28/2015 7:52	0.0	0.0
40	10/28/2015 7:53	0.0	0.0
41	10/28/2015 7:54	0.0	0.0
42	10/28/2015 7:55	0.0	0.0

Wednesday, October 28, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
43	10/28/2015 7:56	0.1	0.1
44	10/28/2015 7:57	0.1	0.1
45	10/28/2015 7:58	0.1	0.1
46	10/28/2015 7:59	0.1	0.1
47	10/28/2015 8:00	0.1	0.1
48	10/28/2015 8:01	0.1	0.1
49	10/28/2015 8:02	0.1	0.1
50	10/28/2015 8:03	0.1	0.1
51	10/28/2015 8:04	0.1	0.1
52	10/28/2015 8:05	0.1	0.1
53	10/28/2015 8:06	0.1	0.1
54	10/28/2015 8:07	0.1	0.1
55	10/28/2015 8:08	0.1	0.1
56	10/28/2015 8:09	0.1	0.1
57	10/28/2015 8:10	0.1	0.1
58	10/28/2015 8:11	0.1	0.1
59	10/28/2015 8:12	0.1	0.1
60	10/28/2015 8:13	0.1	0.1
61	10/28/2015 8:14	0.1	0.1
62	10/28/2015 8:15	0.1	0.1
63	10/28/2015 8:16	0.1	0.1
64	10/28/2015 8:17	0.1	0.1
65	10/28/2015 8:18	0.1	0.1
66	10/28/2015 8:19	0.1	0.1
67	10/28/2015 8:20	0.1	0.1
68	10/28/2015 8:21	0.1	0.1
69	10/28/2015 8:22	0.1	0.1
70	10/28/2015 8:23	0.1	0.1
71	10/28/2015 8:24	0.1	0.1
72	10/28/2015 8:25	0.1	0.1
73	10/28/2015 8:26	0.2	0.1
74	10/28/2015 8:27	0.2	0.1
75	10/28/2015 8:28	0.2	0.1
76	10/28/2015 8:29	0.2	0.1
77	10/28/2015 8:30	0.2	0.1
78	10/28/2015 8:31	0.2	0.1
79	10/28/2015 8:32	0.2	0.1
80	10/28/2015 8:33	0.2	0.2
81	10/28/2015 8:34	0.2	0.2
82	10/28/2015 8:35	0.2	0.2
83	10/28/2015 8:36	0.2	0.2
84	10/28/2015 8:37	0.2	0.2
85	10/28/2015 8:38	0.2	0.2
86	10/28/2015 8:39	0.2	0.2
87	10/28/2015 8:40	0.2	0.2
88	10/28/2015 8:41	0.2	0.2
89	10/28/2015 8:42	0.2	0.2
90	10/28/2015 8:43	0.2	0.2
91	10/28/2015 8:44	0.2	0.2
92	10/28/2015 8:45	0.2	0.2

Wednesday, October 28, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
43	10/28/2015 7:56	0.0	0.0
44	10/28/2015 7:57	0.0	0.0
45	10/28/2015 7:58	0.0	0.0
46	10/28/2015 7:59	0.0	0.0
47	10/28/2015 8:00	0.0	0.0
48	10/28/2015 8:01	0.0	0.0
49	10/28/2015 8:02	0.0	0.0
50	10/28/2015 8:03	0.0	0.0
51	10/28/2015 8:04	0.0	0.0
52	10/28/2015 8:05	0.0	0.0
53	10/28/2015 8:06	0.0	0.0
54	10/28/2015 8:07	0.0	0.0
55	10/28/2015 8:08	0.0	0.0
56	10/28/2015 8:09	0.0	0.0
57	10/28/2015 8:10	0.0	0.0
58	10/28/2015 8:11	0.0	0.0
59	10/28/2015 8:12	0.0	0.0
60	10/28/2015 8:13	0.0	0.0
61	10/28/2015 8:14	0.0	0.0
62	10/28/2015 8:15	0.0	0.0
63	10/28/2015 8:16	0.0	0.0
64	10/28/2015 8:17	0.0	0.0
65	10/28/2015 8:18	0.0	0.0
66	10/28/2015 8:19	0.0	0.0
67	10/28/2015 8:20	0.0	0.0
68	10/28/2015 8:21	0.0	0.0
69	10/28/2015 8:22	0.0	0.0
70	10/28/2015 8:23	0.0	0.0
71	10/28/2015 8:24	0.0	0.0
72	10/28/2015 8:25	0.0	0.0
73	10/28/2015 8:26	0.0	0.0
74	10/28/2015 8:27	0.0	0.0
75	10/28/2015 8:28	0.0	0.0
76	10/28/2015 8:29	0.0	0.0
77	10/28/2015 8:30	0.0	0.0
78	10/28/2015 8:31	0.0	0.0
79	10/28/2015 8:32	0.0	0.0
80	10/28/2015 8:33	0.0	0.0
81	10/28/2015 8:34	0.1	0.0
82	10/28/2015 8:35	0.1	0.0
83	10/28/2015 8:36	0.1	0.0
84	10/28/2015 8:37	0.1	0.0
85	10/28/2015 8:38	0.1	0.0
86	10/28/2015 8:39	0.1	0.0
87	10/28/2015 8:40	0.1	0.0
88	10/28/2015 8:41	0.1	0.0
89	10/28/2015 8:42	0.1	0.1
90	10/28/2015 8:43	0.1	0.1
91	10/28/2015 8:44	0.1	0.1
92	10/28/2015 8:45	0.1	0.1

Wednesday, October 28, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
93	10/28/2015 8:46	0.2	0.2
94	10/28/2015 8:47	0.2	0.2
95	10/28/2015 8:48	0.2	0.2
96	10/28/2015 8:49	0.2	0.2
97	10/28/2015 8:50	0.2	0.2

Wednesday, October 28, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
93	10/28/2015 8:46	0.1	0.1
94	10/28/2015 8:47	0.1	0.1
95	10/28/2015 8:48	0.1	0.1
96	10/28/2015 8:49	0.1	0.1
97	10/28/2015 8:50	0.1	0.1

Upwind PM-10 Data Summary		
Maximum	0.043	mg/m^3
Minimum	0.011	mg/m^3
Average	0.012	mg/m^3
Maximum 15-Minute Average	#DIV/0!	mg/m^3

Downwind PM-10 Data Summary		
Maximum	0.070	mg/m^3
Minimum	0.009	mg/m^3
Average	0.015	mg/m^3
Maximum 15-Minute Average	#DIV/0!	mg/m^3

Wednesday, October 28, 2015
HRPC - IRM - AOC-1
Upwind DustTrak

Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
1	10/28/2015 7:14		
2	10/28/2015 7:15		
3	10/28/2015 7:16		
4	10/28/2015 7:17		
5	10/28/2015 7:18		
6	10/28/2015 7:19	0.043	
7	10/28/2015 7:20	0.011	
8	10/28/2015 7:21	0.011	
9	10/28/2015 7:22	0.011	
10	10/28/2015 7:23	0.011	
11	10/28/2015 7:24	0.011	
12	10/28/2015 7:25	0.011	
13	10/28/2015 7:26	0.012	
14	10/28/2015 7:27	0.011	
15	10/28/2015 7:28	0.011	0.014
16	10/28/2015 7:29	0.012	0.014
17	10/28/2015 7:30	0.011	0.014
18	10/28/2015 7:31	0.011	0.014
19	10/28/2015 7:32	0.012	0.014
20	10/28/2015 7:33	0.011	0.013
21	10/28/2015 7:34	0.012	0.011
22	10/28/2015 7:35	0.011	0.011
23	10/28/2015 7:36	0.011	0.011
24	10/28/2015 7:37	0.011	0.011
25	10/28/2015 7:38	0.011	0.011
26	10/28/2015 7:39	0.011	0.011
27	10/28/2015 7:40	0.011	0.011
28	10/28/2015 7:41	0.011	0.011
29	10/28/2015 7:42	0.011	0.011
30	10/28/2015 7:43	0.011	0.011
31	10/28/2015 7:44	0.011	0.011
32	10/28/2015 7:45	0.011	0.011
33	10/28/2015 7:46	0.011	0.011
34	10/28/2015 7:47	0.011	0.011
35	10/28/2015 7:48	0.011	0.011
36	10/28/2015 7:49	0.011	0.011
37	10/28/2015 7:50	0.011	0.011
38	10/28/2015 7:51	0.011	0.011
39	10/28/2015 7:52	0.011	0.011
40	10/28/2015 7:53	0.011	0.011
41	10/28/2015 7:54	0.011	0.011

Wednesday, October 28, 2015
HRPC - IRM - AOC-1
Downwind DustTrak

Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
1	10/28/2015 7:14	0.009	
2	10/28/2015 7:15	0.010	
3	10/28/2015 7:16	0.010	
4	10/28/2015 7:17	0.010	
5	10/28/2015 7:18	0.010	
6	10/28/2015 7:19	0.011	
7	10/28/2015 7:20	0.011	
8	10/28/2015 7:21	0.010	
9	10/28/2015 7:22	0.013	
10	10/28/2015 7:23	0.011	
11	10/28/2015 7:24	0.011	
12	10/28/2015 7:25	0.011	
13	10/28/2015 7:26	0.011	
14	10/28/2015 7:27	0.010	
15	10/28/2015 7:28	0.011	0.011
16	10/28/2015 7:29	0.010	0.011
17	10/28/2015 7:30	0.010	0.011
18	10/28/2015 7:31	0.010	0.011
19	10/28/2015 7:32	0.011	0.011
20	10/28/2015 7:33	0.013	0.011
21	10/28/2015 7:34	0.011	0.011
22	10/28/2015 7:35	0.010	0.011
23	10/28/2015 7:36	0.011	0.011
24	10/28/2015 7:37	0.015	0.011
25	10/28/2015 7:38	0.022	0.012
26	10/28/2015 7:39	0.012	0.012
27	10/28/2015 7:40	0.013	0.012
28	10/28/2015 7:41	0.011	0.012
29	10/28/2015 7:42	0.011	0.012
30	10/28/2015 7:43	0.011	0.012
31	10/28/2015 7:44	0.011	0.012
32	10/28/2015 7:45	0.011	0.012
33	10/28/2015 7:46	0.011	0.012
34	10/28/2015 7:47	0.011	0.012
35	10/28/2015 7:48	0.011	0.012
36	10/28/2015 7:49	0.011	0.012
37	10/28/2015 7:50	0.011	0.012
38	10/28/2015 7:51	0.011	0.012
39	10/28/2015 7:52	0.012	0.012
40	10/28/2015 7:53	0.011	0.011
41	10/28/2015 7:54	0.015	0.011

Wednesday, October 28, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
42	10/28/2015 7:55	0.011	0.011
43	10/28/2015 7:56	0.011	0.011
44	10/28/2015 7:57	0.011	0.011
45	10/28/2015 7:58	0.012	0.011
46	10/28/2015 7:59	0.011	0.011
47	10/28/2015 8:00	0.012	0.011
48	10/28/2015 8:01	0.012	0.011
49	10/28/2015 8:02	0.011	0.011
50	10/28/2015 8:03	0.011	0.011
51	10/28/2015 8:04	0.011	0.011
52	10/28/2015 8:05	0.011	0.011
53	10/28/2015 8:06	0.011	0.011
54	10/28/2015 8:07	0.011	0.011
55	10/28/2015 8:08	0.011	0.011
56	10/28/2015 8:09	0.011	0.011
57	10/28/2015 8:10	0.011	0.011
58	10/28/2015 8:11	0.011	0.011
59	10/28/2015 8:12	0.011	0.011
60	10/28/2015 8:13	0.011	0.011
61	10/28/2015 8:14	0.012	0.011
62	10/28/2015 8:15	0.012	0.011
63	10/28/2015 8:16	0.012	0.011
64	10/28/2015 8:17	0.012	0.011
65	10/28/2015 8:18	0.012	0.011
66	10/28/2015 8:19	0.012	0.011
67	10/28/2015 8:20	0.012	0.011
68	10/28/2015 8:21	0.012	0.012
69	10/28/2015 8:22	0.012	0.012
70	10/28/2015 8:23	0.012	0.012
71	10/28/2015 8:24	0.012	0.012
72	10/28/2015 8:25	0.012	0.012
73	10/28/2015 8:26	0.012	0.012
74	10/28/2015 8:27	0.012	0.012
75	10/28/2015 8:28	0.012	0.012
76	10/28/2015 8:29	0.012	0.012
77	10/28/2015 8:30	0.012	0.012
78	10/28/2015 8:31	0.012	0.012
79	10/28/2015 8:32	0.012	0.012
80	10/28/2015 8:33	0.012	0.012
81	10/28/2015 8:34	0.012	0.012
82	10/28/2015 8:35	0.012	0.012
83	10/28/2015 8:36	0.012	0.012
84	10/28/2015 8:37	0.011	0.012
85	10/28/2015 8:38	0.011	0.012
86	10/28/2015 8:39	0.011	0.012
87	10/28/2015 8:40	0.011	0.012
88	10/28/2015 8:41	0.011	0.012
89	10/28/2015 8:42	0.011	0.012
90	10/28/2015 8:43	0.011	0.012
91	10/28/2015 8:44	0.011	0.011

Wednesday, October 28, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
42	10/28/2015 7:55	0.011	0.011
43	10/28/2015 7:56	0.011	0.011
44	10/28/2015 7:57	0.012	0.011
45	10/28/2015 7:58	0.011	0.011
46	10/28/2015 7:59	0.011	0.011
47	10/28/2015 8:00	0.012	0.011
48	10/28/2015 8:01	0.011	0.011
49	10/28/2015 8:02	0.011	0.011
50	10/28/2015 8:03	0.011	0.011
51	10/28/2015 8:04	0.012	0.012
52	10/28/2015 8:05	0.012	0.012
53	10/28/2015 8:06	0.029	0.013
54	10/28/2015 8:07	0.015	0.013
55	10/28/2015 8:08	0.013	0.013
56	10/28/2015 8:09	0.017	0.013
57	10/28/2015 8:10	0.016	0.014
58	10/28/2015 8:11	0.023	0.014
59	10/28/2015 8:12	0.017	0.015
60	10/28/2015 8:13	0.014	0.015
61	10/28/2015 8:14	0.015	0.015
62	10/28/2015 8:15	0.022	0.016
63	10/28/2015 8:16	0.028	0.017
64	10/28/2015 8:17	0.022	0.018
65	10/28/2015 8:18	0.046	0.020
66	10/28/2015 8:19	0.016	0.020
67	10/28/2015 8:20	0.015	0.021
68	10/28/2015 8:21	0.014	0.020
69	10/28/2015 8:22	0.015	0.020
70	10/28/2015 8:23	0.014	0.020
71	10/28/2015 8:24	0.015	0.019
72	10/28/2015 8:25	0.013	0.019
73	10/28/2015 8:26	0.013	0.019
74	10/28/2015 8:27	0.024	0.019
75	10/28/2015 8:28	0.052	0.022
76	10/28/2015 8:29	0.030	0.023
77	10/28/2015 8:30	0.020	0.022
78	10/28/2015 8:31	0.013	0.021
79	10/28/2015 8:32	0.013	0.021
80	10/28/2015 8:33	0.013	0.019
81	10/28/2015 8:34	0.012	0.018
82	10/28/2015 8:35	0.014	0.018
83	10/28/2015 8:36	0.017	0.019
84	10/28/2015 8:37	0.018	0.019
85	10/28/2015 8:38	0.014	0.019
86	10/28/2015 8:39	0.012	0.019
87	10/28/2015 8:40	0.012	0.018
88	10/28/2015 8:41	0.012	0.018
89	10/28/2015 8:42	0.012	0.018
90	10/28/2015 8:43	0.013	0.015
91	10/28/2015 8:44	0.012	0.014

Wednesday, October 28, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	**Date & Time**	**Mass Conc. (mg/m^3)**	**15-Minute Average**
92	10/28/2015 8:45	0.011	0.011
93	10/28/2015 8:46	0.011	0.011
94	10/28/2015 8:47	0.011	0.011
95	10/28/2015 8:48	0.011	0.011
96	10/28/2015 8:49	0.011	0.011
97	10/28/2015 8:50	0.011	0.011

Wednesday, October 28, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	**Date & Time**	**Mass Conc. (mg/m^3)**	**15-Minute Average**
92	10/28/2015 8:45	0.011	0.013
93	10/28/2015 8:46	0.012	0.013
94	10/28/2015 8:47	0.012	0.013
95	10/28/2015 8:48	0.012	0.013
96	10/28/2015 8:49	0.012	0.013
97	10/28/2015 8:50	0.070	0.017

Upwind VOC Data Summary		
Maximum	0.5	ppm
Minimum	0.0	ppm
Average	0.4	ppm
Maximum 15-Minute Average	0.5	ppm

Downwind VOC Data Summary		
Maximum	0.2	ppm
Minimum	0.0	ppm
Average	0.0	ppm
Maximum 15-Minute Average	0.2	ppm

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
1	10/29/2015 7:33		
2	10/29/2015 7:34		
3	10/29/2015 7:35		
4	10/29/2015 7:36		
5	10/29/2015 7:37		
6	10/29/2015 7:38	0.0	
7	10/29/2015 7:39	0.0	
8	10/29/2015 7:40	0.0	
9	10/29/2015 7:41	0.0	
10	10/29/2015 7:42	0.0	
11	10/29/2015 7:43	0.0	
12	10/29/2015 7:44	0.0	
13	10/29/2015 7:45	0.0	
14	10/29/2015 7:46	0.0	
15	10/29/2015 7:47	0.0	0.0
16	10/29/2015 7:48	0.0	0.0
17	10/29/2015 7:49	0.0	0.0
18	10/29/2015 7:50	0.0	0.0
19	10/29/2015 7:51	0.0	0.0
20	10/29/2015 7:52	0.0	0.0
21	10/29/2015 7:53	0.0	0.0
22	10/29/2015 7:54	0.0	0.0
23	10/29/2015 7:55	0.0	0.0
24	10/29/2015 7:56	0.0	0.0
25	10/29/2015 7:57	0.0	0.0
26	10/29/2015 7:58	0.0	0.0
27	10/29/2015 7:59	0.0	0.0
28	10/29/2015 8:00	0.0	0.0
29	10/29/2015 8:01	0.0	0.0
30	10/29/2015 8:02	0.0	0.0
31	10/29/2015 8:03	0.0	0.0
32	10/29/2015 8:04	0.0	0.0
33	10/29/2015 8:05	0.0	0.0
34	10/29/2015 8:06	0.1	0.0
35	10/29/2015 8:07	0.1	0.0
36	10/29/2015 8:08	0.1	0.0
37	10/29/2015 8:09	0.1	0.0
38	10/29/2015 8:10	0.1	0.0
39	10/29/2015 8:11	0.1	0.0
40	10/29/2015 8:12	0.1	0.1
41	10/29/2015 8:13	0.1	0.1
42	10/29/2015 8:14	0.1	0.1

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
1	10/29/2015 7:33	0.0	
2	10/29/2015 7:34	0.0	
3	10/29/2015 7:35	0.0	
4	10/29/2015 7:36	0.0	
5	10/29/2015 7:37	0.0	
6	10/29/2015 7:38	0.0	
7	10/29/2015 7:39	0.0	
8	10/29/2015 7:40	0.0	
9	10/29/2015 7:41	0.0	
10	10/29/2015 7:42	0.0	
11	10/29/2015 7:43	0.0	
12	10/29/2015 7:44	0.0	
13	10/29/2015 7:45	0.0	
14	10/29/2015 7:46	0.0	
15	10/29/2015 7:47	0.0	0.0
16	10/29/2015 7:48	0.0	0.0
17	10/29/2015 7:49	0.0	0.0
18	10/29/2015 7:50	0.0	0.0
19	10/29/2015 7:51	0.0	0.0
20	10/29/2015 7:52	0.0	0.0
21	10/29/2015 7:53	0.0	0.0
22	10/29/2015 7:54	0.0	0.0
23	10/29/2015 7:55	0.0	0.0
24	10/29/2015 7:56	0.0	0.0
25	10/29/2015 7:57	0.0	0.0
26	10/29/2015 7:58	0.0	0.0
27	10/29/2015 7:59	0.0	0.0
28	10/29/2015 8:00	0.0	0.0
29	10/29/2015 8:01	0.0	0.0
30	10/29/2015 8:02	0.0	0.0
31	10/29/2015 8:03	0.0	0.0
32	10/29/2015 8:04	0.0	0.0
33	10/29/2015 8:05	0.0	0.0
34	10/29/2015 8:06	0.0	0.0
35	10/29/2015 8:07	0.0	0.0
36	10/29/2015 8:08	0.0	0.0
37	10/29/2015 8:09	0.0	0.0
38	10/29/2015 8:10	0.1	0.0
39	10/29/2015 8:11	0.0	0.0
40	10/29/2015 8:12	0.0	0.0
41	10/29/2015 8:13	0.0	0.0
42	10/29/2015 8:14	0.0	0.0

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
43	10/29/2015 8:15	0.1	0.1
44	10/29/2015 8:16	0.1	0.1
45	10/29/2015 8:17	0.1	0.1
46	10/29/2015 8:18	0.1	0.1
47	10/29/2015 8:19	0.1	0.1
48	10/29/2015 8:20	0.1	0.1
49	10/29/2015 8:21	0.1	0.1
50	10/29/2015 8:22	0.1	0.1
51	10/29/2015 8:23	0.1	0.1
52	10/29/2015 8:24	0.1	0.1
53	10/29/2015 8:25	0.1	0.1
54	10/29/2015 8:26	0.1	0.1
55	10/29/2015 8:27	0.1	0.1
56	10/29/2015 8:28	0.1	0.1
57	10/29/2015 8:29	0.1	0.1
58	10/29/2015 8:30	0.1	0.1
59	10/29/2015 8:31	0.1	0.1
60	10/29/2015 8:32	0.1	0.1
61	10/29/2015 8:33	0.1	0.1
62	10/29/2015 8:34	0.1	0.1
63	10/29/2015 8:35	0.1	0.1
64	10/29/2015 8:36	0.1	0.1
65	10/29/2015 8:37	0.1	0.1
66	10/29/2015 8:38	0.1	0.1
67	10/29/2015 8:39	0.1	0.1
68	10/29/2015 8:40	0.1	0.1
69	10/29/2015 8:41	0.1	0.1
70	10/29/2015 8:42	0.1	0.1
71	10/29/2015 8:43	0.2	0.1
72	10/29/2015 8:44	0.2	0.1
73	10/29/2015 8:45	0.2	0.1
74	10/29/2015 8:46	0.2	0.1
75	10/29/2015 8:47	0.2	0.1
76	10/29/2015 8:48	0.2	0.1
77	10/29/2015 8:49	0.2	0.1
78	10/29/2015 8:50	0.2	0.2
79	10/29/2015 8:51	0.2	0.2
80	10/29/2015 8:52	0.2	0.2
81	10/29/2015 8:53	0.2	0.2
82	10/29/2015 8:54	0.2	0.2
83	10/29/2015 8:55	0.2	0.2
84	10/29/2015 8:56	0.2	0.2
85	10/29/2015 8:57	0.2	0.2
86	10/29/2015 8:58	0.2	0.2
87	10/29/2015 8:59	0.2	0.2
88	10/29/2015 9:00	0.2	0.2
89	10/29/2015 9:01	0.2	0.2
90	10/29/2015 9:02	0.2	0.2
91	10/29/2015 9:03	0.2	0.2
92	10/29/2015 9:04	0.2	0.2

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
43	10/29/2015 8:15	0.1	0.0
44	10/29/2015 8:16	0.1	0.0
45	10/29/2015 8:17	0.1	0.0
46	10/29/2015 8:18	0.1	0.1
47	10/29/2015 8:19	0.1	0.1
48	10/29/2015 8:20	0.1	0.1
49	10/29/2015 8:21	0.1	0.1
50	10/29/2015 8:22	0.1	0.1
51	10/29/2015 8:23	0.1	0.1
52	10/29/2015 8:24	0.1	0.1
53	10/29/2015 8:25	0.1	0.1
54	10/29/2015 8:26	0.1	0.1
55	10/29/2015 8:27	0.1	0.1
56	10/29/2015 8:28	0.1	0.1
57	10/29/2015 8:29	0.1	0.1
58	10/29/2015 8:30	0.1	0.1
59	10/29/2015 8:31	0.1	0.1
60	10/29/2015 8:32	0.1	0.1
61	10/29/2015 8:33	0.1	0.1
62	10/29/2015 8:34	0.1	0.1
63	10/29/2015 8:35	0.1	0.1
64	10/29/2015 8:36	0.1	0.1
65	10/29/2015 8:37	0.1	0.1
66	10/29/2015 8:38	0.1	0.1
67	10/29/2015 8:39	0.1	0.1
68	10/29/2015 8:40	0.1	0.1
69	10/29/2015 8:41	0.1	0.1
70	10/29/2015 8:42	0.1	0.1
71	10/29/2015 8:43	0.1	0.1
72	10/29/2015 8:44	0.1	0.1
73	10/29/2015 8:45	0.1	0.1
74	10/29/2015 8:46	0.1	0.1
75	10/29/2015 8:47	0.1	0.1
76	10/29/2015 8:48	0.1	0.1
77	10/29/2015 8:49	0.1	0.1
78	10/29/2015 8:50	0.1	0.1
79	10/29/2015 8:51	0.1	0.1
80	10/29/2015 8:52	0.1	0.1
81	10/29/2015 8:53	0.1	0.1
82	10/29/2015 8:54	0.1	0.1
83	10/29/2015 8:55	0.1	0.1
84	10/29/2015 8:56	0.1	0.1
85	10/29/2015 8:57	0.1	0.1
86	10/29/2015 8:58	0.1	0.1
87	10/29/2015 8:59	0.1	0.1
88	10/29/2015 9:00	0.1	0.1
89	10/29/2015 9:01	0.0	0.1
90	10/29/2015 9:02	0.0	0.1
91	10/29/2015 9:03	0.0	0.1
92	10/29/2015 9:04	0.0	0.1

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
93	10/29/2015 9:05	0.2	0.2
94	10/29/2015 9:06	0.2	0.2
95	10/29/2015 9:07	0.2	0.2
96	10/29/2015 9:08	0.2	0.2
97	10/29/2015 9:09	0.2	0.2
98	10/29/2015 9:10	0.2	0.2
99	10/29/2015 9:11	0.2	0.2
100	10/29/2015 9:12	0.2	0.2
101	10/29/2015 9:13	0.2	0.2
102	10/29/2015 9:14	0.2	0.2
103	10/29/2015 9:15	0.2	0.2
104	10/29/2015 9:16	0.2	0.2
105	10/29/2015 9:17	0.2	0.2
106	10/29/2015 9:18	0.2	0.2
107	10/29/2015 9:19	0.2	0.2
108	10/29/2015 9:20	0.2	0.2
109	10/29/2015 9:21	0.2	0.2
110	10/29/2015 9:22	0.2	0.2
111	10/29/2015 9:23	0.2	0.2
112	10/29/2015 9:24	0.2	0.2
113	10/29/2015 9:25	0.3	0.2
114	10/29/2015 9:26	0.3	0.2
115	10/29/2015 9:27	0.3	0.2
116	10/29/2015 9:28	0.3	0.2
117	10/29/2015 9:29	0.3	0.2
118	10/29/2015 9:30	0.3	0.2
119	10/29/2015 9:31	0.3	0.2
120	10/29/2015 9:32	0.3	0.2
121	10/29/2015 9:33	0.3	0.3
122	10/29/2015 9:34	0.3	0.3
123	10/29/2015 9:35	0.3	0.3
124	10/29/2015 9:36	0.3	0.3
125	10/29/2015 9:37	0.3	0.3
126	10/29/2015 9:38	0.3	0.3
127	10/29/2015 9:39	0.3	0.3
128	10/29/2015 9:40	0.3	0.3
129	10/29/2015 9:41	0.3	0.3
130	10/29/2015 9:42	0.3	0.3
131	10/29/2015 9:43	0.3	0.3
132	10/29/2015 9:44	0.3	0.3
133	10/29/2015 9:45	0.3	0.3
134	10/29/2015 9:46	0.3	0.3
135	10/29/2015 9:47	0.3	0.3
136	10/29/2015 9:48	0.3	0.3
137	10/29/2015 9:49	0.3	0.3
138	10/29/2015 9:50	0.3	0.3
139	10/29/2015 9:51	0.3	0.3
140	10/29/2015 9:52	0.3	0.3
141	10/29/2015 9:53	0.3	0.3
142	10/29/2015 9:54	0.3	0.3

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
93	10/29/2015 9:05	0.0	0.1
94	10/29/2015 9:06	0.0	0.1
95	10/29/2015 9:07	0.0	0.1
96	10/29/2015 9:08	0.0	0.0
97	10/29/2015 9:09	0.0	0.0
98	10/29/2015 9:10	0.0	0.0
99	10/29/2015 9:11	0.0	0.0
100	10/29/2015 9:12	0.0	0.0
101	10/29/2015 9:13	0.0	0.0
102	10/29/2015 9:14	0.0	0.0
103	10/29/2015 9:15	0.0	0.0
104	10/29/2015 9:16	0.0	0.0
105	10/29/2015 9:17	0.0	0.0
106	10/29/2015 9:18	0.0	0.0
107	10/29/2015 9:19	0.0	0.0
108	10/29/2015 9:20	0.0	0.0
109	10/29/2015 9:21	0.0	0.0
110	10/29/2015 9:22	0.0	0.0
111	10/29/2015 9:23	0.0	0.0
112	10/29/2015 9:24	0.0	0.0
113	10/29/2015 9:25	0.0	0.0
114	10/29/2015 9:26	0.0	0.0
115	10/29/2015 9:27	0.0	0.0
116	10/29/2015 9:28	0.0	0.0
117	10/29/2015 9:29	0.0	0.0
118	10/29/2015 9:30	0.0	0.0
119	10/29/2015 9:31	0.0	0.0
120	10/29/2015 9:32	0.0	0.0
121	10/29/2015 9:33	0.0	0.0
122	10/29/2015 9:34	0.0	0.0
123	10/29/2015 9:35	0.0	0.0
124	10/29/2015 9:36	0.0	0.0
125	10/29/2015 9:37	0.0	0.0
126	10/29/2015 9:38	0.0	0.0
127	10/29/2015 9:39	0.0	0.0
128	10/29/2015 9:40	0.0	0.0
129	10/29/2015 9:41	0.0	0.0
130	10/29/2015 9:42	0.0	0.0
131	10/29/2015 9:43	0.0	0.0
132	10/29/2015 9:44	0.0	0.0
133	10/29/2015 9:45	0.0	0.0
134	10/29/2015 9:46	0.0	0.0
135	10/29/2015 9:47	0.0	0.0
136	10/29/2015 9:48	0.0	0.0
137	10/29/2015 9:49	0.0	0.0
138	10/29/2015 9:50	0.0	0.0
139	10/29/2015 9:51	0.0	0.0
140	10/29/2015 9:52	0.0	0.0
141	10/29/2015 9:53	0.0	0.0
142	10/29/2015 9:54	0.0	0.0

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
143	10/29/2015 9:55	0.3	0.3
144	10/29/2015 9:56	0.3	0.3
145	10/29/2015 9:57	0.3	0.3
146	10/29/2015 9:58	0.3	0.3
147	10/29/2015 9:59	0.3	0.3
148	10/29/2015 10:00	0.3	0.3
149	10/29/2015 10:01	0.3	0.3
150	10/29/2015 10:02	0.3	0.3
151	10/29/2015 10:03	0.3	0.3
152	10/29/2015 10:04	0.3	0.3
153	10/29/2015 10:05	0.3	0.3
154	10/29/2015 10:06	0.3	0.3
155	10/29/2015 10:07	0.3	0.3
156	10/29/2015 10:08	0.3	0.3
157	10/29/2015 10:09	0.3	0.3
158	10/29/2015 10:10	0.3	0.3
159	10/29/2015 10:11	0.3	0.3
160	10/29/2015 10:12	0.3	0.3
161	10/29/2015 10:13	0.3	0.3
162	10/29/2015 10:14	0.3	0.3
163	10/29/2015 10:15	0.3	0.3
164	10/29/2015 10:16	0.3	0.3
165	10/29/2015 10:17	0.3	0.3
166	10/29/2015 10:18	0.3	0.3
167	10/29/2015 10:19	0.3	0.3
168	10/29/2015 10:20	0.3	0.3
169	10/29/2015 10:21	0.4	0.3
170	10/29/2015 10:22	0.3	0.3
171	10/29/2015 10:23	0.4	0.3
172	10/29/2015 10:24	0.4	0.3
173	10/29/2015 10:25	0.4	0.3
174	10/29/2015 10:26	0.4	0.3
175	10/29/2015 10:27	0.4	0.3
176	10/29/2015 10:28	0.4	0.3
177	10/29/2015 10:29	0.4	0.4
178	10/29/2015 10:30	0.4	0.4
179	10/29/2015 10:31	0.4	0.4
180	10/29/2015 10:32	0.4	0.4
181	10/29/2015 10:33	0.4	0.4
182	10/29/2015 10:34	0.4	0.4
183	10/29/2015 10:35	0.4	0.4
184	10/29/2015 10:36	0.4	0.4
185	10/29/2015 10:37	0.4	0.4
186	10/29/2015 10:38	0.4	0.4
187	10/29/2015 10:39	0.4	0.4
188	10/29/2015 10:40	0.4	0.4
189	10/29/2015 10:41	0.4	0.4
190	10/29/2015 10:42	0.4	0.4
191	10/29/2015 10:43	0.4	0.4
192	10/29/2015 10:44	0.4	0.4

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
143	10/29/2015 9:55	0.0	0.0
144	10/29/2015 9:56	0.0	0.0
145	10/29/2015 9:57	0.0	0.0
146	10/29/2015 9:58	0.0	0.0
147	10/29/2015 9:59	0.0	0.0
148	10/29/2015 10:00	0.0	0.0
149	10/29/2015 10:01	0.0	0.0
150	10/29/2015 10:02	0.0	0.0
151	10/29/2015 10:03	0.0	0.0
152	10/29/2015 10:04	0.0	0.0
153	10/29/2015 10:05	0.0	0.0
154	10/29/2015 10:06	0.0	0.0
155	10/29/2015 10:07	0.0	0.0
156	10/29/2015 10:08	0.0	0.0
157	10/29/2015 10:09	0.0	0.0
158	10/29/2015 10:10	0.0	0.0
159	10/29/2015 10:11	0.0	0.0
160	10/29/2015 10:12	0.0	0.0
161	10/29/2015 10:13	0.0	0.0
162	10/29/2015 10:14	0.0	0.0
163	10/29/2015 10:15	0.0	0.0
164	10/29/2015 10:16	0.0	0.0
165	10/29/2015 10:17	0.0	0.0
166	10/29/2015 10:18	0.0	0.0
167	10/29/2015 10:19	0.0	0.0
168	10/29/2015 10:20	0.0	0.0
169	10/29/2015 10:21	0.0	0.0
170	10/29/2015 10:22	0.0	0.0
171	10/29/2015 10:23	0.0	0.0
172	10/29/2015 10:24	0.0	0.0
173	10/29/2015 10:25	0.0	0.0
174	10/29/2015 10:26	0.0	0.0
175	10/29/2015 10:27	0.0	0.0
176	10/29/2015 10:28	0.0	0.0
177	10/29/2015 10:29	0.0	0.0
178	10/29/2015 10:30	0.0	0.0
179	10/29/2015 10:31	0.0	0.0
180	10/29/2015 10:32	0.0	0.0
181	10/29/2015 10:33	0.0	0.0
182	10/29/2015 10:34	0.0	0.0
183	10/29/2015 10:35	0.0	0.0
184	10/29/2015 10:36	0.0	0.0
185	10/29/2015 10:37	0.0	0.0
186	10/29/2015 10:38	0.0	0.0
187	10/29/2015 10:39	0.0	0.0
188	10/29/2015 10:40	0.0	0.0
189	10/29/2015 10:41	0.0	0.0
190	10/29/2015 10:42	0.0	0.0
191	10/29/2015 10:43	0.0	0.0
192	10/29/2015 10:44	0.0	0.0

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
193	10/29/2015 10:45	0.4	0.4
194	10/29/2015 10:46	0.4	0.4
195	10/29/2015 10:47	0.4	0.4
196	10/29/2015 10:48	0.4	0.4
197	10/29/2015 10:49	0.4	0.4
198	10/29/2015 10:50	0.4	0.4
199	10/29/2015 10:51	0.4	0.4
200	10/29/2015 10:52	0.4	0.4
201	10/29/2015 10:53	0.4	0.4
202	10/29/2015 10:54	0.4	0.4
203	10/29/2015 10:55	0.4	0.4
204	10/29/2015 10:56	0.4	0.4
205	10/29/2015 10:57	0.4	0.4
206	10/29/2015 10:58	0.4	0.4
207	10/29/2015 10:59	0.4	0.4
208	10/29/2015 11:00	0.4	0.4
209	10/29/2015 11:01	0.4	0.4
210	10/29/2015 11:02	0.4	0.4
211	10/29/2015 11:03	0.4	0.4
212	10/29/2015 11:04	0.4	0.4
213	10/29/2015 11:05	0.4	0.4
214	10/29/2015 11:06	0.4	0.4
215	10/29/2015 11:07	0.4	0.4
216	10/29/2015 11:08	0.4	0.4
217	10/29/2015 11:09	0.4	0.4
218	10/29/2015 11:10	0.4	0.4
219	10/29/2015 11:11	0.5	0.4
220	10/29/2015 11:12	0.5	0.4
221	10/29/2015 11:13	0.5	0.4
222	10/29/2015 11:14	0.5	0.4
223	10/29/2015 11:15	0.5	0.4
224	10/29/2015 11:16	0.5	0.4
225	10/29/2015 11:17	0.5	0.4
226	10/29/2015 11:18	0.5	0.5
227	10/29/2015 11:19	0.5	0.5
228	10/29/2015 11:20	0.5	0.5
229	10/29/2015 11:21	0.5	0.5
230	10/29/2015 11:22	0.5	0.5
231	10/29/2015 11:23	0.5	0.5
232	10/29/2015 11:24	0.5	0.5
233	10/29/2015 11:25	0.5	0.5
234	10/29/2015 11:26	0.5	0.5
235	10/29/2015 11:27	0.5	0.5
236	10/29/2015 11:28	0.5	0.5
237	10/29/2015 11:29	0.5	0.5
238	10/29/2015 11:30	0.5	0.5
239	10/29/2015 11:31	0.5	0.5
240	10/29/2015 11:32	0.5	0.5
241	10/29/2015 11:33	0.5	0.5
242	10/29/2015 11:34	0.5	0.5

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
193	10/29/2015 10:45	0.0	0.0
194	10/29/2015 10:46	0.0	0.0
195	10/29/2015 10:47	0.0	0.0
196	10/29/2015 10:48	0.0	0.0
197	10/29/2015 10:49	0.0	0.0
198	10/29/2015 10:50	0.0	0.0
199	10/29/2015 10:51	0.0	0.0
200	10/29/2015 10:52	0.0	0.0
201	10/29/2015 10:53	0.0	0.0
202	10/29/2015 10:54	0.0	0.0
203	10/29/2015 10:55	0.0	0.0
204	10/29/2015 10:56	0.0	0.0
205	10/29/2015 10:57	0.0	0.0
206	10/29/2015 10:58	0.0	0.0
207	10/29/2015 10:59	0.0	0.0
208	10/29/2015 11:00	0.0	0.0
209	10/29/2015 11:01	0.0	0.0
210	10/29/2015 11:02	0.0	0.0
211	10/29/2015 11:03	0.0	0.0
212	10/29/2015 11:04	0.0	0.0
213	10/29/2015 11:05	0.0	0.0
214	10/29/2015 11:06	0.0	0.0
215	10/29/2015 11:07	0.0	0.0
216	10/29/2015 11:08	0.0	0.0
217	10/29/2015 11:09	0.0	0.0
218	10/29/2015 11:10	0.0	0.0
219	10/29/2015 11:11	0.0	0.0
220	10/29/2015 11:12	0.0	0.0
221	10/29/2015 11:13	0.0	0.0
222	10/29/2015 11:14	0.0	0.0
223	10/29/2015 11:15	0.0	0.0
224	10/29/2015 11:16	0.0	0.0
225	10/29/2015 11:17	0.0	0.0
226	10/29/2015 11:18	0.0	0.0
227	10/29/2015 11:19	0.0	0.0
228	10/29/2015 11:20	0.0	0.0
229	10/29/2015 11:21	0.0	0.0
230	10/29/2015 11:22	0.0	0.0
231	10/29/2015 11:23	0.0	0.0
232	10/29/2015 11:24	0.0	0.0
233	10/29/2015 11:25	0.0	0.0
234	10/29/2015 11:26	0.0	0.0
235	10/29/2015 11:27	0.0	0.0
236	10/29/2015 11:28	0.0	0.0
237	10/29/2015 11:29	0.0	0.0
238	10/29/2015 11:30	0.0	0.0
239	10/29/2015 11:31	0.0	0.0
240	10/29/2015 11:32	0.0	0.0
241	10/29/2015 11:33	0.0	0.0
242	10/29/2015 11:34	0.0	0.0

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
243	10/29/2015 11:35	0.5	0.5
244	10/29/2015 11:36	0.5	0.5
245	10/29/2015 11:37	0.5	0.5
246	10/29/2015 11:38	0.5	0.5
247	10/29/2015 11:39	0.5	0.5
248	10/29/2015 11:40	0.5	0.5
249	10/29/2015 11:41	0.5	0.5
250	10/29/2015 11:42	0.5	0.5
251	10/29/2015 11:43	0.5	0.5
252	10/29/2015 11:44	0.5	0.5
253	10/29/2015 11:45	0.5	0.5
254	10/29/2015 11:46	0.5	0.5
255	10/29/2015 11:47	0.5	0.5
256	10/29/2015 11:48	0.5	0.5
257	10/29/2015 11:49	0.5	0.5
258	10/29/2015 11:50	0.5	0.5
259	10/29/2015 11:51	0.5	0.5
260	10/29/2015 11:52	0.5	0.5
261	10/29/2015 11:53	0.5	0.5
262	10/29/2015 11:54	0.5	0.5
263	10/29/2015 11:55	0.5	0.5
264	10/29/2015 11:56	0.5	0.5
265	10/29/2015 11:57	0.5	0.5
266	10/29/2015 11:58	0.5	0.5
267	10/29/2015 11:59	0.5	0.5
268	10/29/2015 12:00	0.5	0.5
269	10/29/2015 12:01	0.5	0.5
270	10/29/2015 12:02	0.5	0.5
271	10/29/2015 12:03	0.5	0.5
272	10/29/2015 12:04	0.5	0.5
273	10/29/2015 12:05	0.5	0.5
274	10/29/2015 12:06	0.5	0.5
275	10/29/2015 12:07	0.5	0.5
276	10/29/2015 12:08	0.5	0.5
277	10/29/2015 12:09	0.5	0.5
278	10/29/2015 12:10	0.5	0.5
279	10/29/2015 12:11	0.5	0.5
280	10/29/2015 12:12	0.5	0.5
281	10/29/2015 12:13	0.5	0.5
282	10/29/2015 12:14	0.5	0.5
283	10/29/2015 12:15	0.5	0.5
284	10/29/2015 12:16	0.5	0.5
285	10/29/2015 12:17	0.5	0.5
286	10/29/2015 12:18	0.5	0.5
287	10/29/2015 12:19	0.5	0.5
288	10/29/2015 12:20	0.5	0.5
289	10/29/2015 12:21	0.5	0.5
290	10/29/2015 12:22	0.5	0.5
291	10/29/2015 12:23	0.5	0.5
292	10/29/2015 12:24	0.5	0.5

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
243	10/29/2015 11:35	0.0	0.0
244	10/29/2015 11:36	0.0	0.0
245	10/29/2015 11:37	0.0	0.0
246	10/29/2015 11:38	0.0	0.0
247	10/29/2015 11:39	0.0	0.0
248	10/29/2015 11:40	0.0	0.0
249	10/29/2015 11:41	0.0	0.0
250	10/29/2015 11:42	0.0	0.0
251	10/29/2015 11:43	0.0	0.0
252	10/29/2015 11:44	0.0	0.0
253	10/29/2015 11:45	0.0	0.0
254	10/29/2015 11:46	0.0	0.0
255	10/29/2015 11:47	0.0	0.0
256	10/29/2015 11:48	0.0	0.0
257	10/29/2015 11:49	0.0	0.0
258	10/29/2015 11:50	0.0	0.0
259	10/29/2015 11:51	0.0	0.0
260	10/29/2015 11:52	0.0	0.0
261	10/29/2015 11:53	0.0	0.0
262	10/29/2015 11:54	0.0	0.0
263	10/29/2015 11:55	0.0	0.0
264	10/29/2015 11:56	0.0	0.0
265	10/29/2015 11:57	0.0	0.0
266	10/29/2015 11:58	0.0	0.0
267	10/29/2015 11:59	0.0	0.0
268	10/29/2015 12:00	0.0	0.0
269	10/29/2015 12:01	0.0	0.0
270	10/29/2015 12:02	0.0	0.0
271	10/29/2015 12:03	0.0	0.0
272	10/29/2015 12:04	0.0	0.0
273	10/29/2015 12:05	0.0	0.0
274	10/29/2015 12:06	0.0	0.0
275	10/29/2015 12:07	0.0	0.0
276	10/29/2015 12:08	0.0	0.0
277	10/29/2015 12:09	0.0	0.0
278	10/29/2015 12:10	0.0	0.0
279	10/29/2015 12:11	0.0	0.0
280	10/29/2015 12:12	0.0	0.0
281	10/29/2015 12:13	0.0	0.0
282	10/29/2015 12:14	0.0	0.0
283	10/29/2015 12:15	0.0	0.0
284	10/29/2015 12:16	0.0	0.0
285	10/29/2015 12:17	0.0	0.0
286	10/29/2015 12:18	0.0	0.0
287	10/29/2015 12:19	0.0	0.0
288	10/29/2015 12:20	0.0	0.0
289	10/29/2015 12:21	0.0	0.0
290	10/29/2015 12:22	0.0	0.0
291	10/29/2015 12:23	0.0	0.0
292	10/29/2015 12:24	0.0	0.0

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
293	10/29/2015 12:25	0.5	0.5
294	10/29/2015 12:26	0.5	0.5
295	10/29/2015 12:27	0.5	0.5
296	10/29/2015 12:28	0.5	0.5
297	10/29/2015 12:29	0.5	0.5
298	10/29/2015 12:30	0.5	0.5
299	10/29/2015 12:31	0.5	0.5
300	10/29/2015 12:32	0.5	0.5
301	10/29/2015 12:33	0.5	0.5
302	10/29/2015 12:34	0.5	0.5
303	10/29/2015 12:35	0.5	0.5
304	10/29/2015 12:36	0.5	0.5
305	10/29/2015 12:37	0.5	0.5
306	10/29/2015 12:38	0.5	0.5
307	10/29/2015 12:39	0.5	0.5
308	10/29/2015 12:40	0.5	0.5
309	10/29/2015 12:41	0.5	0.5
310	10/29/2015 12:42	0.5	0.5
311	10/29/2015 12:43	0.5	0.5
312	10/29/2015 12:44	0.5	0.5
313	10/29/2015 12:45	0.5	0.5
314	10/29/2015 12:46	0.5	0.5
315	10/29/2015 12:47	0.5	0.5
316	10/29/2015 12:48	0.5	0.5
317	10/29/2015 12:49	0.5	0.5
318	10/29/2015 12:50	0.5	0.5
319	10/29/2015 12:51	0.5	0.5
320	10/29/2015 12:52	0.5	0.5
321	10/29/2015 12:53	0.5	0.5
322	10/29/2015 12:54	0.5	0.5
323	10/29/2015 12:55	0.5	0.5
324	10/29/2015 12:56	0.5	0.5
325	10/29/2015 12:57	0.5	0.5
326	10/29/2015 12:58	0.5	0.5
327	10/29/2015 12:59	0.5	0.5
328	10/29/2015 13:00	0.5	0.5
329	10/29/2015 13:01	0.5	0.5
330	10/29/2015 13:02	0.5	0.5
331	10/29/2015 13:03	0.5	0.5
332	10/29/2015 13:04	0.5	0.5
333	10/29/2015 13:05	0.5	0.5
334	10/29/2015 13:06	0.5	0.5
335	10/29/2015 13:07	0.5	0.5
336	10/29/2015 13:08	0.5	0.5
337	10/29/2015 13:09	0.5	0.5
338	10/29/2015 13:10	0.5	0.5
339	10/29/2015 13:11	0.5	0.5
340	10/29/2015 13:12	0.5	0.5
341	10/29/2015 13:13	0.5	0.5
342	10/29/2015 13:14	0.5	0.5

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
293	10/29/2015 12:25	0.0	0.0
294	10/29/2015 12:26	0.0	0.0
295	10/29/2015 12:27	0.0	0.0
296	10/29/2015 12:28	0.0	0.0
297	10/29/2015 12:29	0.0	0.0
298	10/29/2015 12:30	0.0	0.0
299	10/29/2015 12:31	0.0	0.0
300	10/29/2015 12:32	0.0	0.0
301	10/29/2015 12:33	0.0	0.0
302	10/29/2015 12:34	0.0	0.0
303	10/29/2015 12:35	0.0	0.0
304	10/29/2015 12:36	0.0	0.0
305	10/29/2015 12:37	0.0	0.0
306	10/29/2015 12:38	0.0	0.0
307	10/29/2015 12:39	0.0	0.0
308	10/29/2015 12:40	0.0	0.0
309	10/29/2015 12:41	0.0	0.0
310	10/29/2015 12:42	0.0	0.0
311	10/29/2015 12:43	0.0	0.0
312	10/29/2015 12:44	0.0	0.0
313	10/29/2015 12:45	0.0	0.0
314	10/29/2015 12:46	0.0	0.0
315	10/29/2015 12:47	0.0	0.0
316	10/29/2015 12:48	0.0	0.0
317	10/29/2015 12:49	0.0	0.0
318	10/29/2015 12:50	0.0	0.0
319	10/29/2015 12:51	0.0	0.0
320	10/29/2015 12:52	0.0	0.0
321	10/29/2015 12:53	0.0	0.0
322	10/29/2015 12:54	0.0	0.0
323	10/29/2015 12:55	0.0	0.0
324	10/29/2015 12:56	0.0	0.0
325	10/29/2015 12:57	0.0	0.0
326	10/29/2015 12:58	0.0	0.0
327	10/29/2015 12:59	0.0	0.0
328	10/29/2015 13:00	0.0	0.0
329	10/29/2015 13:01	0.0	0.0
330	10/29/2015 13:02	0.0	0.0
331	10/29/2015 13:03	0.0	0.0
332	10/29/2015 13:04	0.0	0.0
333	10/29/2015 13:05	0.0	0.0
334	10/29/2015 13:06	0.0	0.0
335	10/29/2015 13:07	0.0	0.0
336	10/29/2015 13:08	0.0	0.0
337	10/29/2015 13:09	0.0	0.0
338	10/29/2015 13:10	0.0	0.0
339	10/29/2015 13:11	0.0	0.0
340	10/29/2015 13:12	0.0	0.0
341	10/29/2015 13:13	0.0	0.0
342	10/29/2015 13:14	0.0	0.0

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
343	10/29/2015 13:15	0.5	0.5
344	10/29/2015 13:16	0.5	0.5
345	10/29/2015 13:17	0.5	0.5
346	10/29/2015 13:18	0.5	0.5
347	10/29/2015 13:19	0.5	0.5
348	10/29/2015 13:20	0.5	0.5
349	10/29/2015 13:21	0.5	0.5
350	10/29/2015 13:22	0.5	0.5
351	10/29/2015 13:23	0.5	0.5
352	10/29/2015 13:24	0.5	0.5
353	10/29/2015 13:25	0.5	0.5
354	10/29/2015 13:26	0.5	0.5
355	10/29/2015 13:27	0.5	0.5
356	10/29/2015 13:28	0.5	0.5
357	10/29/2015 13:29	0.5	0.5
358	10/29/2015 13:30	0.5	0.5
359	10/29/2015 13:31	0.5	0.5
360	10/29/2015 13:32	0.5	0.5
361	10/29/2015 13:33	0.5	0.5
362	10/29/2015 13:34	0.5	0.5
363	10/29/2015 13:35	0.5	0.5
364	10/29/2015 13:36	0.5	0.5
365	10/29/2015 13:37	0.5	0.5
366	10/29/2015 13:38	0.5	0.5
367	10/29/2015 13:39	0.5	0.5
368	10/29/2015 13:40	0.5	0.5
369	10/29/2015 13:41	0.5	0.5
370	10/29/2015 13:42	0.5	0.5
371	10/29/2015 13:43	0.5	0.5
372	10/29/2015 13:44	0.5	0.5
373	10/29/2015 13:45	0.5	0.5
374	10/29/2015 13:46	0.5	0.5
375	10/29/2015 13:47	0.5	0.5
376	10/29/2015 13:48	0.5	0.5
377	10/29/2015 13:49	0.5	0.5
378	10/29/2015 13:50	0.5	0.5
379	10/29/2015 13:51	0.5	0.5
380	10/29/2015 13:52	0.5	0.5
381	10/29/2015 13:53	0.5	0.5
382	10/29/2015 13:54	0.5	0.5
383	10/29/2015 13:55	0.5	0.5
384	10/29/2015 13:56	0.5	0.5
385	10/29/2015 13:57	0.5	0.5
386	10/29/2015 13:58	0.5	0.5
387	10/29/2015 13:59	0.5	0.5
388	10/29/2015 14:00	0.5	0.5
389	10/29/2015 14:01	0.5	0.5
390	10/29/2015 14:02	0.5	0.5
391	10/29/2015 14:03	0.5	0.5
392	10/29/2015 14:04	0.5	0.5

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
343	10/29/2015 13:15	0.0	0.0
344	10/29/2015 13:16	0.0	0.0
345	10/29/2015 13:17	0.0	0.0
346	10/29/2015 13:18	0.0	0.0
347	10/29/2015 13:19	0.0	0.0
348	10/29/2015 13:20	0.0	0.0
349	10/29/2015 13:21	0.0	0.0
350	10/29/2015 13:22	0.0	0.0
351	10/29/2015 13:23	0.0	0.0
352	10/29/2015 13:24	0.0	0.0
353	10/29/2015 13:25	0.0	0.0
354	10/29/2015 13:26	0.0	0.0
355	10/29/2015 13:27	0.0	0.0
356	10/29/2015 13:28	0.0	0.0
357	10/29/2015 13:29	0.0	0.0
358	10/29/2015 13:30	0.0	0.0
359	10/29/2015 13:31	0.0	0.0
360	10/29/2015 13:32	0.0	0.0
361	10/29/2015 13:33	0.0	0.0
362	10/29/2015 13:34	0.0	0.0
363	10/29/2015 13:35	0.1	0.0
364	10/29/2015 13:36	0.1	0.0
365	10/29/2015 13:37	0.1	0.0
366	10/29/2015 13:38	0.1	0.0
367	10/29/2015 13:39	0.1	0.1
368	10/29/2015 13:40	0.1	0.1
369	10/29/2015 13:41	0.1	0.1
370	10/29/2015 13:42	0.1	0.1
371	10/29/2015 13:43	0.1	0.1
372	10/29/2015 13:44	0.1	0.1
373	10/29/2015 13:45	0.1	0.1
374	10/29/2015 13:46	0.1	0.1
375	10/29/2015 13:47	0.1	0.1
376	10/29/2015 13:48	0.1	0.1
377	10/29/2015 13:49	0.1	0.1
378	10/29/2015 13:50	0.1	0.1
379	10/29/2015 13:51	0.1	0.1
380	10/29/2015 13:52	0.1	0.1
381	10/29/2015 13:53	0.1	0.1
382	10/29/2015 13:54	0.1	0.1
383	10/29/2015 13:55	0.1	0.1
384	10/29/2015 13:56	0.1	0.1
385	10/29/2015 13:57	0.1	0.1
386	10/29/2015 13:58	0.1	0.1
387	10/29/2015 13:59	0.1	0.1
388	10/29/2015 14:00	0.1	0.1
389	10/29/2015 14:01	0.1	0.1
390	10/29/2015 14:02	0.1	0.1
391	10/29/2015 14:03	0.1	0.1
392	10/29/2015 14:04	0.1	0.1

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
393	10/29/2015 14:05	0.5	0.5
394	10/29/2015 14:06	0.5	0.5
395	10/29/2015 14:07	0.5	0.5
396	10/29/2015 14:08	0.5	0.5
397	10/29/2015 14:09	0.5	0.5
398	10/29/2015 14:10	0.5	0.5
399	10/29/2015 14:11	0.5	0.5
400	10/29/2015 14:12	0.5	0.5
401	10/29/2015 14:13	0.5	0.5
402	10/29/2015 14:14	0.5	0.5
403	10/29/2015 14:15	0.5	0.5
404	10/29/2015 14:16	0.5	0.5
405	10/29/2015 14:17	0.5	0.5
406	10/29/2015 14:18	0.5	0.5
407	10/29/2015 14:19	0.5	0.5
408	10/29/2015 14:20	0.5	0.5
409	10/29/2015 14:21	0.5	0.5
410	10/29/2015 14:22	0.5	0.5
411	10/29/2015 14:23	0.5	0.5
412	10/29/2015 14:24	0.5	0.5
413	10/29/2015 14:25	0.5	0.5
414	10/29/2015 14:26	0.5	0.5
415	10/29/2015 14:27	0.5	0.5
416	10/29/2015 14:28	0.5	0.5
417	10/29/2015 14:29	0.5	0.5
418	10/29/2015 14:30	0.5	0.5
419	10/29/2015 14:31	0.5	0.5
420	10/29/2015 14:32	0.5	0.5
421	10/29/2015 14:33	0.5	0.5
422	10/29/2015 14:34	0.5	0.5
423	10/29/2015 14:35	0.5	0.5
424	10/29/2015 14:36	0.5	0.5
425	10/29/2015 14:37	0.5	0.5
426	10/29/2015 14:38	0.5	0.5
427	10/29/2015 14:39	0.5	0.5
428	10/29/2015 14:40	0.5	0.5
429	10/29/2015 14:41	0.5	0.5
430	10/29/2015 14:42	0.5	0.5
431	10/29/2015 14:43	0.5	0.5
432	10/29/2015 14:44	0.5	0.5
433	10/29/2015 14:45	0.5	0.5
434	10/29/2015 14:46	0.5	0.5
435	10/29/2015 14:47	0.5	0.5
436	10/29/2015 14:48	0.5	0.5
437	10/29/2015 14:49	0.5	0.5
438	10/29/2015 14:50	0.5	0.5
439	10/29/2015 14:51	0.5	0.5
440	10/29/2015 14:52	0.5	0.5
441	10/29/2015 14:53	0.5	0.5
442	10/29/2015 14:54	0.5	0.5

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
393	10/29/2015 14:05	0.1	0.1
394	10/29/2015 14:06	0.1	0.1
395	10/29/2015 14:07	0.1	0.1
396	10/29/2015 14:08	0.1	0.1
397	10/29/2015 14:09	0.1	0.1
398	10/29/2015 14:10	0.1	0.1
399	10/29/2015 14:11	0.1	0.1
400	10/29/2015 14:12	0.1	0.1
401	10/29/2015 14:13	0.1	0.1
402	10/29/2015 14:14	0.1	0.1
403	10/29/2015 14:15	0.1	0.1
404	10/29/2015 14:16	0.1	0.1
405	10/29/2015 14:17	0.2	0.1
406	10/29/2015 14:18	0.1	0.1
407	10/29/2015 14:19	0.2	0.1
408	10/29/2015 14:20	0.1	0.1
409	10/29/2015 14:21	0.2	0.1
410	10/29/2015 14:22	0.1	0.1
411	10/29/2015 14:23	0.1	0.1
412	10/29/2015 14:24	0.1	0.1
413	10/29/2015 14:25	0.1	0.1
414	10/29/2015 14:26	0.1	0.1
415	10/29/2015 14:27	0.1	0.1
416	10/29/2015 14:28	0.2	0.1
417	10/29/2015 14:29	0.1	0.1
418	10/29/2015 14:30	0.1	0.1
419	10/29/2015 14:31	0.2	0.1
420	10/29/2015 14:32	0.1	0.1
421	10/29/2015 14:33	0.1	0.1
422	10/29/2015 14:34	0.2	0.1
423	10/29/2015 14:35	0.2	0.1
424	10/29/2015 14:36	0.1	0.1
425	10/29/2015 14:37	0.2	0.1
426	10/29/2015 14:38	0.1	0.1
427	10/29/2015 14:39	0.1	0.1
428	10/29/2015 14:40	0.1	0.1
429	10/29/2015 14:41	0.1	0.1
430	10/29/2015 14:42	0.1	0.1
431	10/29/2015 14:43	0.1	0.1
432	10/29/2015 14:44	0.1	0.1
433	10/29/2015 14:45	0.1	0.1
434	10/29/2015 14:46	0.1	0.1
435	10/29/2015 14:47	0.1	0.1
436	10/29/2015 14:48	0.1	0.1
437	10/29/2015 14:49	0.1	0.1
438	10/29/2015 14:50	0.1	0.1
439	10/29/2015 14:51	0.1	0.1
440	10/29/2015 14:52	0.2	0.1
441	10/29/2015 14:53	0.1	0.1
442	10/29/2015 14:54	0.1	0.1

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
443	10/29/2015 14:55	0.5	0.5
444	10/29/2015 14:56	0.5	0.5
445	10/29/2015 14:57	0.5	0.5
446	10/29/2015 14:58	0.5	0.5
447	10/29/2015 14:59	0.5	0.5
448	10/29/2015 15:00	0.5	0.5
449	10/29/2015 15:01	0.5	0.5
450	10/29/2015 15:02	0.5	0.5
451	10/29/2015 15:03	0.5	0.5
452	10/29/2015 15:04	0.5	0.5
453	10/29/2015 15:05	0.5	0.5
454	10/29/2015 15:06	0.5	0.5
455	10/29/2015 15:07	0.5	0.5
456	10/29/2015 15:08	0.5	0.5
457	10/29/2015 15:09	0.5	0.5
458	10/29/2015 15:10	0.5	0.5
459	10/29/2015 15:11	0.5	0.5
460	10/29/2015 15:12	0.5	0.5
461	10/29/2015 15:13	0.5	0.5
462	10/29/2015 15:14	0.5	0.5
463	10/29/2015 15:15	0.5	0.5
464	10/29/2015 15:16	0.5	0.5
465	10/29/2015 15:17	0.5	0.5
466	10/29/2015 15:18	0.5	0.5
467	10/29/2015 15:19	0.5	0.5
468	10/29/2015 15:20	0.5	0.5
469	10/29/2015 15:21	0.5	0.5
470	10/29/2015 15:22	0.5	0.5
471	10/29/2015 15:23	0.5	0.5
472	10/29/2015 15:24	0.5	0.5
473	10/29/2015 15:25	0.5	0.5
474	10/29/2015 15:26	0.5	0.5
475	10/29/2015 15:27	0.5	0.5
476	10/29/2015 15:28	0.5	0.5

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
443	10/29/2015 14:55	0.1	0.1
444	10/29/2015 14:56	0.1	0.1
445	10/29/2015 14:57	0.1	0.1
446	10/29/2015 14:58	0.1	0.1
447	10/29/2015 14:59	0.1	0.1
448	10/29/2015 15:00	0.1	0.1
449	10/29/2015 15:01	0.1	0.1
450	10/29/2015 15:02	0.1	0.1
451	10/29/2015 15:03	0.1	0.1
452	10/29/2015 15:04	0.1	0.1
453	10/29/2015 15:05	0.1	0.1
454	10/29/2015 15:06	0.1	0.1
455	10/29/2015 15:07	0.1	0.1
456	10/29/2015 15:08	0.1	0.1
457	10/29/2015 15:09	0.2	0.1
458	10/29/2015 15:10	0.1	0.1
459	10/29/2015 15:11	0.1	0.1
460	10/29/2015 15:12	0.2	0.1
461	10/29/2015 15:13	0.2	0.1
462	10/29/2015 15:14	0.2	0.1
463	10/29/2015 15:15	0.2	0.1
464	10/29/2015 15:16	0.2	0.1
465	10/29/2015 15:17	0.2	0.1
466	10/29/2015 15:18	0.2	0.2
467	10/29/2015 15:19	0.2	0.2
468	10/29/2015 15:20	0.2	0.2
469	10/29/2015 15:21	0.2	0.2
470	10/29/2015 15:22	0.2	0.2
471	10/29/2015 15:23	0.2	0.2
472	10/29/2015 15:24	0.2	0.2
473	10/29/2015 15:25	0.2	0.2
474	10/29/2015 15:26	0.2	0.2
475	10/29/2015 15:27	0.1	0.2
476	10/29/2015 15:28	0.1	0.2

Upwind PM-10 Data Summary		
Maximum	0.015	mg/m^3
Minimum	0.003	mg/m^3
Average	0.009	mg/m^3
Maximum 15-Minute Average	0.013	mg/m^3

Downwind PM-10 Data Summary		
Maximum	0.050	mg/m^3
Minimum	0.003	mg/m^3
Average	0.009	mg/m^3
Maximum 15-Minute Average	0.019	mg/m^3

Thursday, October 29, 2015
HRPC - IRM - AOC-1
Upwind DustTrak

Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
1	10/29/2015 7:33		
2	10/29/2015 7:34		
3	10/29/2015 7:35		
4	10/29/2015 7:36		
5	10/29/2015 7:37		
6	10/29/2015 7:38	0.008	
7	10/29/2015 7:39	0.008	
8	10/29/2015 7:40	0.007	
9	10/29/2015 7:41	0.007	
10	10/29/2015 7:42	0.007	
11	10/29/2015 7:43	0.007	
12	10/29/2015 7:44	0.007	
13	10/29/2015 7:45	0.007	
14	10/29/2015 7:46	0.007	
15	10/29/2015 7:47	0.007	0.007
16	10/29/2015 7:48	0.011	0.008
17	10/29/2015 7:49	0.013	0.008
18	10/29/2015 7:50	0.013	0.008
19	10/29/2015 7:51	0.010	0.009
20	10/29/2015 7:52	0.014	0.009
21	10/29/2015 7:53	0.011	0.009
22	10/29/2015 7:54	0.012	0.009
23	10/29/2015 7:55	0.010	0.010
24	10/29/2015 7:56	0.008	0.010
25	10/29/2015 7:57	0.007	0.010
26	10/29/2015 7:58	0.008	0.010
27	10/29/2015 7:59	0.008	0.010
28	10/29/2015 8:00	0.008	0.010
29	10/29/2015 8:01	0.008	0.010
30	10/29/2015 8:02	0.008	0.010
31	10/29/2015 8:03	0.008	0.010
32	10/29/2015 8:04	0.008	0.009
33	10/29/2015 8:05	0.008	0.009
34	10/29/2015 8:06	0.008	0.009
35	10/29/2015 8:07	0.008	0.009
36	10/29/2015 8:08	0.008	0.008
37	10/29/2015 8:09	0.008	0.008
38	10/29/2015 8:10	0.008	0.008
39	10/29/2015 8:11	0.008	0.008
40	10/29/2015 8:12	0.008	0.008
41	10/29/2015 8:13	0.009	0.008

Thursday, October 29, 2015
HRPC - IRM - AOC-1
Downwind DustTrak

Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
1	10/29/2015 7:33	0.023	
2	10/29/2015 7:34	0.005	
3	10/29/2015 7:35	0.005	
4	10/29/2015 7:36	0.006	
5	10/29/2015 7:37	0.005	
6	10/29/2015 7:38	0.005	
7	10/29/2015 7:39	0.006	
8	10/29/2015 7:40	0.005	
9	10/29/2015 7:41	0.006	
10	10/29/2015 7:42	0.006	
11	10/29/2015 7:43	0.006	
12	10/29/2015 7:44	0.007	
13	10/29/2015 7:45	0.007	
14	10/29/2015 7:46	0.006	
15	10/29/2015 7:47	0.007	0.007
16	10/29/2015 7:48	0.006	0.006
17	10/29/2015 7:49	0.007	0.006
18	10/29/2015 7:50	0.006	0.006
19	10/29/2015 7:51	0.007	0.006
20	10/29/2015 7:52	0.007	0.006
21	10/29/2015 7:53	0.006	0.006
22	10/29/2015 7:54	0.007	0.006
23	10/29/2015 7:55	0.007	0.007
24	10/29/2015 7:56	0.007	0.007
25	10/29/2015 7:57	0.007	0.007
26	10/29/2015 7:58	0.007	0.007
27	10/29/2015 7:59	0.007	0.007
28	10/29/2015 8:00	0.006	0.007
29	10/29/2015 8:01	0.006	0.007
30	10/29/2015 8:02	0.007	0.007
31	10/29/2015 8:03	0.006	0.007
32	10/29/2015 8:04	0.006	0.007
33	10/29/2015 8:05	0.006	0.007
34	10/29/2015 8:06	0.007	0.007
35	10/29/2015 8:07	0.008	0.007
36	10/29/2015 8:08	0.007	0.007
37	10/29/2015 8:09	0.007	0.007
38	10/29/2015 8:10	0.007	0.007
39	10/29/2015 8:11	0.012	0.007
40	10/29/2015 8:12	0.009	0.007
41	10/29/2015 8:13	0.008	0.007

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
42	10/29/2015 8:14	0.009	0.008
43	10/29/2015 8:15	0.009	0.008
44	10/29/2015 8:16	0.009	0.008
45	10/29/2015 8:17	0.009	0.008
46	10/29/2015 8:18	0.009	0.008
47	10/29/2015 8:19	0.009	0.008
48	10/29/2015 8:20	0.010	0.009
49	10/29/2015 8:21	0.010	0.009
50	10/29/2015 8:22	0.010	0.009
51	10/29/2015 8:23	0.010	0.009
52	10/29/2015 8:24	0.010	0.009
53	10/29/2015 8:25	0.010	0.009
54	10/29/2015 8:26	0.010	0.009
55	10/29/2015 8:27	0.010	0.010
56	10/29/2015 8:28	0.009	0.010
57	10/29/2015 8:29	0.010	0.010
58	10/29/2015 8:30	0.009	0.010
59	10/29/2015 8:31	0.010	0.010
60	10/29/2015 8:32	0.009	0.010
61	10/29/2015 8:33	0.009	0.010
62	10/29/2015 8:34	0.009	0.010
63	10/29/2015 8:35	0.010	0.010
64	10/29/2015 8:36	0.010	0.010
65	10/29/2015 8:37	0.010	0.010
66	10/29/2015 8:38	0.010	0.010
67	10/29/2015 8:39	0.010	0.010
68	10/29/2015 8:40	0.010	0.010
69	10/29/2015 8:41	0.010	0.010
70	10/29/2015 8:42	0.009	0.010
71	10/29/2015 8:43	0.010	0.010
72	10/29/2015 8:44	0.010	0.010
73	10/29/2015 8:45	0.010	0.010
74	10/29/2015 8:46	0.010	0.010
75	10/29/2015 8:47	0.011	0.010
76	10/29/2015 8:48	0.011	0.010
77	10/29/2015 8:49	0.010	0.010
78	10/29/2015 8:50	0.010	0.010
79	10/29/2015 8:51	0.011	0.010
80	10/29/2015 8:52	0.011	0.010
81	10/29/2015 8:53	0.010	0.010
82	10/29/2015 8:54	0.010	0.010
83	10/29/2015 8:55	0.010	0.010
84	10/29/2015 8:56	0.010	0.010
85	10/29/2015 8:57	0.010	0.010
86	10/29/2015 8:58	0.010	0.010
87	10/29/2015 8:59	0.010	0.010
88	10/29/2015 9:00	0.010	0.010
89	10/29/2015 9:01	0.010	0.010
90	10/29/2015 9:02	0.009	0.010
91	10/29/2015 9:03	0.010	0.010

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
42	10/29/2015 8:14	0.008	0.007
43	10/29/2015 8:15	0.007	0.007
44	10/29/2015 8:16	0.007	0.007
45	10/29/2015 8:17	0.007	0.007
46	10/29/2015 8:18	0.011	0.008
47	10/29/2015 8:19	0.010	0.008
48	10/29/2015 8:20	0.008	0.008
49	10/29/2015 8:21	0.008	0.008
50	10/29/2015 8:22	0.007	0.008
51	10/29/2015 8:23	0.007	0.008
52	10/29/2015 8:24	0.010	0.008
53	10/29/2015 8:25	0.008	0.008
54	10/29/2015 8:26	0.008	0.008
55	10/29/2015 8:27	0.010	0.008
56	10/29/2015 8:28	0.011	0.008
57	10/29/2015 8:29	0.008	0.008
58	10/29/2015 8:30	0.007	0.008
59	10/29/2015 8:31	0.008	0.009
60	10/29/2015 8:32	0.007	0.009
61	10/29/2015 8:33	0.008	0.008
62	10/29/2015 8:34	0.008	0.008
63	10/29/2015 8:35	0.013	0.009
64	10/29/2015 8:36	0.010	0.009
65	10/29/2015 8:37	0.012	0.009
66	10/29/2015 8:38	0.014	0.009
67	10/29/2015 8:39	0.010	0.009
68	10/29/2015 8:40	0.010	0.010
69	10/29/2015 8:41	0.009	0.010
70	10/29/2015 8:42	0.009	0.010
71	10/29/2015 8:43	0.016	0.010
72	10/29/2015 8:44	0.011	0.010
73	10/29/2015 8:45	0.013	0.011
74	10/29/2015 8:46	0.011	0.011
75	10/29/2015 8:47	0.012	0.011
76	10/29/2015 8:48	0.010	0.011
77	10/29/2015 8:49	0.019	0.012
78	10/29/2015 8:50	0.018	0.012
79	10/29/2015 8:51	0.009	0.012
80	10/29/2015 8:52	0.009	0.012
81	10/29/2015 8:53	0.008	0.012
82	10/29/2015 8:54	0.007	0.011
83	10/29/2015 8:55	0.007	0.011
84	10/29/2015 8:56	0.008	0.011
85	10/29/2015 8:57	0.009	0.011
86	10/29/2015 8:58	0.022	0.012
87	10/29/2015 8:59	0.011	0.012
88	10/29/2015 9:00	0.008	0.011
89	10/29/2015 9:01	0.009	0.011
90	10/29/2015 9:02	0.007	0.011
91	10/29/2015 9:03	0.007	0.011

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
92	10/29/2015 9:04	0.009	0.010
93	10/29/2015 9:05	0.009	0.010
94	10/29/2015 9:06	0.009	0.010
95	10/29/2015 9:07	0.010	0.010
96	10/29/2015 9:08	0.010	0.010
97	10/29/2015 9:09	0.010	0.010
98	10/29/2015 9:10	0.010	0.010
99	10/29/2015 9:11	0.010	0.010
100	10/29/2015 9:12	0.010	0.010
101	10/29/2015 9:13	0.010	0.010
102	10/29/2015 9:14	0.010	0.010
103	10/29/2015 9:15	0.010	0.010
104	10/29/2015 9:16	0.011	0.010
105	10/29/2015 9:17	0.010	0.010
106	10/29/2015 9:18	0.011	0.010
107	10/29/2015 9:19	0.011	0.010
108	10/29/2015 9:20	0.011	0.010
109	10/29/2015 9:21	0.011	0.010
110	10/29/2015 9:22	0.011	0.010
111	10/29/2015 9:23	0.011	0.010
112	10/29/2015 9:24	0.011	0.011
113	10/29/2015 9:25	0.011	0.011
114	10/29/2015 9:26	0.011	0.011
115	10/29/2015 9:27	0.011	0.011
116	10/29/2015 9:28	0.011	0.011
117	10/29/2015 9:29	0.011	0.011
118	10/29/2015 9:30	0.011	0.011
119	10/29/2015 9:31	0.012	0.011
120	10/29/2015 9:32	0.012	0.011
121	10/29/2015 9:33	0.012	0.011
122	10/29/2015 9:34	0.012	0.011
123	10/29/2015 9:35	0.013	0.011
124	10/29/2015 9:36	0.015	0.012
125	10/29/2015 9:37	0.012	0.012
126	10/29/2015 9:38	0.012	0.012
127	10/29/2015 9:39	0.012	0.012
128	10/29/2015 9:40	0.011	0.012
129	10/29/2015 9:41	0.013	0.012
130	10/29/2015 9:42	0.013	0.012
131	10/29/2015 9:43	0.012	0.012
132	10/29/2015 9:44	0.014	0.012
133	10/29/2015 9:45	0.015	0.013
134	10/29/2015 9:46	0.014	0.013
135	10/29/2015 9:47	0.013	0.013
136	10/29/2015 9:48	0.013	0.013
137	10/29/2015 9:49	0.013	0.013
138	10/29/2015 9:50	0.013	0.013
139	10/29/2015 9:51	0.014	0.013
140	10/29/2015 9:52	0.013	0.013
141	10/29/2015 9:53	0.012	0.013

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
92	10/29/2015 9:04	0.007	0.010
93	10/29/2015 9:05	0.007	0.009
94	10/29/2015 9:06	0.007	0.009
95	10/29/2015 9:07	0.007	0.009
96	10/29/2015 9:08	0.007	0.009
97	10/29/2015 9:09	0.008	0.009
98	10/29/2015 9:10	0.009	0.009
99	10/29/2015 9:11	0.009	0.009
100	10/29/2015 9:12	0.010	0.009
101	10/29/2015 9:13	0.009	0.008
102	10/29/2015 9:14	0.009	0.008
103	10/29/2015 9:15	0.012	0.008
104	10/29/2015 9:16	0.008	0.008
105	10/29/2015 9:17	0.010	0.008
106	10/29/2015 9:18	0.011	0.009
107	10/29/2015 9:19	0.011	0.009
108	10/29/2015 9:20	0.008	0.009
109	10/29/2015 9:21	0.009	0.009
110	10/29/2015 9:22	0.009	0.009
111	10/29/2015 9:23	0.008	0.009
112	10/29/2015 9:24	0.008	0.009
113	10/29/2015 9:25	0.013	0.010
114	10/29/2015 9:26	0.009	0.010
115	10/29/2015 9:27	0.009	0.010
116	10/29/2015 9:28	0.008	0.009
117	10/29/2015 9:29	0.008	0.009
118	10/29/2015 9:30	0.009	0.009
119	10/29/2015 9:31	0.009	0.009
120	10/29/2015 9:32	0.009	0.009
121	10/29/2015 9:33	0.010	0.009
122	10/29/2015 9:34	0.011	0.009
123	10/29/2015 9:35	0.011	0.009
124	10/29/2015 9:36	0.011	0.009
125	10/29/2015 9:37	0.011	0.010
126	10/29/2015 9:38	0.009	0.010
127	10/29/2015 9:39	0.010	0.010
128	10/29/2015 9:40	0.011	0.010
129	10/29/2015 9:41	0.010	0.010
130	10/29/2015 9:42	0.012	0.010
131	10/29/2015 9:43	0.011	0.010
132	10/29/2015 9:44	0.011	0.010
133	10/29/2015 9:45	0.010	0.010
134	10/29/2015 9:46	0.011	0.011
135	10/29/2015 9:47	0.010	0.011
136	10/29/2015 9:48	0.011	0.011
137	10/29/2015 9:49	0.012	0.011
138	10/29/2015 9:50	0.010	0.011
139	10/29/2015 9:51	0.010	0.011
140	10/29/2015 9:52	0.010	0.011
141	10/29/2015 9:53	0.010	0.011

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
142	10/29/2015 9:54	0.012	0.013
143	10/29/2015 9:55	0.012	0.013
144	10/29/2015 9:56	0.013	0.013
145	10/29/2015 9:57	0.013	0.013
146	10/29/2015 9:58	0.013	0.013
147	10/29/2015 9:59	0.012	0.013
148	10/29/2015 10:00	0.012	0.013
149	10/29/2015 10:01	0.012	0.013
150	10/29/2015 10:02	0.013	0.013
151	10/29/2015 10:03	0.013	0.013
152	10/29/2015 10:04	0.012	0.013
153	10/29/2015 10:05	0.012	0.013
154	10/29/2015 10:06	0.012	0.012
155	10/29/2015 10:07	0.013	0.012
156	10/29/2015 10:08	0.013	0.012
157	10/29/2015 10:09	0.013	0.013
158	10/29/2015 10:10	0.013	0.013
159	10/29/2015 10:11	0.013	0.013
160	10/29/2015 10:12	0.013	0.013
161	10/29/2015 10:13	0.013	0.013
162	10/29/2015 10:14	0.012	0.013
163	10/29/2015 10:15	0.012	0.013
164	10/29/2015 10:16	0.012	0.013
165	10/29/2015 10:17	0.013	0.013
166	10/29/2015 10:18	0.013	0.013
167	10/29/2015 10:19	0.013	0.013
168	10/29/2015 10:20	0.013	0.013
169	10/29/2015 10:21	0.012	0.013
170	10/29/2015 10:22	0.012	0.013
171	10/29/2015 10:23	0.012	0.013
172	10/29/2015 10:24	0.012	0.013
173	10/29/2015 10:25	0.012	0.012
174	10/29/2015 10:26	0.011	0.012
175	10/29/2015 10:27	0.011	0.012
176	10/29/2015 10:28	0.011	0.012
177	10/29/2015 10:29	0.012	0.012
178	10/29/2015 10:30	0.012	0.012
179	10/29/2015 10:31	0.012	0.012
180	10/29/2015 10:32	0.011	0.012
181	10/29/2015 10:33	0.011	0.012
182	10/29/2015 10:34	0.011	0.012
183	10/29/2015 10:35	0.012	0.012
184	10/29/2015 10:36	0.012	0.012
185	10/29/2015 10:37	0.012	0.012
186	10/29/2015 10:38	0.012	0.012
187	10/29/2015 10:39	0.012	0.012
188	10/29/2015 10:40	0.012	0.012
189	10/29/2015 10:41	0.012	0.012
190	10/29/2015 10:42	0.012	0.012
191	10/29/2015 10:43	0.012	0.012

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
142	10/29/2015 9:54	0.011	0.011
143	10/29/2015 9:55	0.011	0.011
144	10/29/2015 9:56	0.012	0.011
145	10/29/2015 9:57	0.010	0.011
146	10/29/2015 9:58	0.009	0.011
147	10/29/2015 9:59	0.011	0.011
148	10/29/2015 10:00	0.011	0.011
149	10/29/2015 10:01	0.010	0.011
150	10/29/2015 10:02	0.011	0.011
151	10/29/2015 10:03	0.011	0.011
152	10/29/2015 10:04	0.010	0.010
153	10/29/2015 10:05	0.011	0.011
154	10/29/2015 10:06	0.012	0.011
155	10/29/2015 10:07	0.012	0.011
156	10/29/2015 10:08	0.011	0.011
157	10/29/2015 10:09	0.016	0.011
158	10/29/2015 10:10	0.014	0.011
159	10/29/2015 10:11	0.019	0.012
160	10/29/2015 10:12	0.011	0.012
161	10/29/2015 10:13	0.028	0.013
162	10/29/2015 10:14	0.050	0.016
163	10/29/2015 10:15	0.014	0.016
164	10/29/2015 10:16	0.020	0.017
165	10/29/2015 10:17	0.016	0.017
166	10/29/2015 10:18	0.033	0.018
167	10/29/2015 10:19	0.015	0.019
168	10/29/2015 10:20	0.012	0.019
169	10/29/2015 10:21	0.014	0.019
170	10/29/2015 10:22	0.018	0.019
171	10/29/2015 10:23	0.010	0.019
172	10/29/2015 10:24	0.010	0.019
173	10/29/2015 10:25	0.010	0.019
174	10/29/2015 10:26	0.010	0.018
175	10/29/2015 10:27	0.010	0.018
176	10/29/2015 10:28	0.010	0.017
177	10/29/2015 10:29	0.013	0.014
178	10/29/2015 10:30	0.011	0.014
179	10/29/2015 10:31	0.010	0.013
180	10/29/2015 10:32	0.011	0.013
181	10/29/2015 10:33	0.011	0.012
182	10/29/2015 10:34	0.013	0.012
183	10/29/2015 10:35	0.038	0.013
184	10/29/2015 10:36	0.017	0.013
185	10/29/2015 10:37	0.013	0.013
186	10/29/2015 10:38	0.013	0.013
187	10/29/2015 10:39	0.014	0.014
188	10/29/2015 10:40	0.013	0.014
189	10/29/2015 10:41	0.011	0.014
190	10/29/2015 10:42	0.016	0.014
191	10/29/2015 10:43	0.012	0.014

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
192	10/29/2015 10:44	0.013	0.012
193	10/29/2015 10:45	0.012	0.012
194	10/29/2015 10:46	0.012	0.012
195	10/29/2015 10:47	0.012	0.012
196	10/29/2015 10:48	0.012	0.012
197	10/29/2015 10:49	0.013	0.012
198	10/29/2015 10:50	0.013	0.012
199	10/29/2015 10:51	0.012	0.012
200	10/29/2015 10:52	0.012	0.012
201	10/29/2015 10:53	0.012	0.012
202	10/29/2015 10:54	0.012	0.012
203	10/29/2015 10:55	0.012	0.012
204	10/29/2015 10:56	0.013	0.012
205	10/29/2015 10:57	0.012	0.012
206	10/29/2015 10:58	0.012	0.012
207	10/29/2015 10:59	0.013	0.012
208	10/29/2015 11:00	0.012	0.012
209	10/29/2015 11:01	0.012	0.012
210	10/29/2015 11:02	0.013	0.012
211	10/29/2015 11:03	0.012	0.012
212	10/29/2015 11:04	0.013	0.012
213	10/29/2015 11:05	0.012	0.012
214	10/29/2015 11:06	0.012	0.012
215	10/29/2015 11:07	0.012	0.012
216	10/29/2015 11:08	0.012	0.012
217	10/29/2015 11:09	0.013	0.012
218	10/29/2015 11:10	0.012	0.012
219	10/29/2015 11:11	0.012	0.012
220	10/29/2015 11:12	0.012	0.012
221	10/29/2015 11:13	0.012	0.012
222	10/29/2015 11:14	0.012	0.012
223	10/29/2015 11:15	0.012	0.012
224	10/29/2015 11:16	0.012	0.012
225	10/29/2015 11:17	0.012	0.012
226	10/29/2015 11:18	0.012	0.012
227	10/29/2015 11:19	0.012	0.012
228	10/29/2015 11:20	0.012	0.012
229	10/29/2015 11:21	0.012	0.012
230	10/29/2015 11:22	0.012	0.012
231	10/29/2015 11:23	0.012	0.012
232	10/29/2015 11:24	0.012	0.012
233	10/29/2015 11:25	0.012	0.012
234	10/29/2015 11:26	0.012	0.012
235	10/29/2015 11:27	0.012	0.012
236	10/29/2015 11:28	0.012	0.012
237	10/29/2015 11:29	0.012	0.012
238	10/29/2015 11:30	0.012	0.012
239	10/29/2015 11:31	0.012	0.012
240	10/29/2015 11:32	0.012	0.012
241	10/29/2015 11:33	0.012	0.012

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
192	10/29/2015 10:44	0.012	0.014
193	10/29/2015 10:45	0.013	0.014
194	10/29/2015 10:46	0.014	0.015
195	10/29/2015 10:47	0.012	0.015
196	10/29/2015 10:48	0.012	0.015
197	10/29/2015 10:49	0.012	0.015
198	10/29/2015 10:50	0.013	0.013
199	10/29/2015 10:51	0.012	0.013
200	10/29/2015 10:52	0.015	0.013
201	10/29/2015 10:53	0.013	0.013
202	10/29/2015 10:54	0.010	0.013
203	10/29/2015 10:55	0.010	0.012
204	10/29/2015 10:56	0.011	0.012
205	10/29/2015 10:57	0.011	0.012
206	10/29/2015 10:58	0.014	0.012
207	10/29/2015 10:59	0.011	0.012
208	10/29/2015 11:00	0.010	0.012
209	10/29/2015 11:01	0.021	0.012
210	10/29/2015 11:02	0.012	0.012
211	10/29/2015 11:03	0.011	0.012
212	10/29/2015 11:04	0.010	0.012
213	10/29/2015 11:05	0.010	0.012
214	10/29/2015 11:06	0.010	0.012
215	10/29/2015 11:07	0.010	0.012
216	10/29/2015 11:08	0.011	0.011
217	10/29/2015 11:09	0.010	0.011
218	10/29/2015 11:10	0.013	0.012
219	10/29/2015 11:11	0.012	0.012
220	10/29/2015 11:12	0.014	0.012
221	10/29/2015 11:13	0.011	0.012
222	10/29/2015 11:14	0.011	0.012
223	10/29/2015 11:15	0.011	0.012
224	10/29/2015 11:16	0.014	0.011
225	10/29/2015 11:17	0.021	0.012
226	10/29/2015 11:18	0.009	0.012
227	10/29/2015 11:19	0.010	0.012
228	10/29/2015 11:20	0.019	0.012
229	10/29/2015 11:21	0.012	0.013
230	10/29/2015 11:22	0.009	0.012
231	10/29/2015 11:23	0.010	0.012
232	10/29/2015 11:24	0.010	0.012
233	10/29/2015 11:25	0.010	0.012
234	10/29/2015 11:26	0.010	0.012
235	10/29/2015 11:27	0.010	0.012
236	10/29/2015 11:28	0.010	0.012
237	10/29/2015 11:29	0.010	0.012
238	10/29/2015 11:30	0.010	0.012
239	10/29/2015 11:31	0.010	0.011
240	10/29/2015 11:32	0.010	0.011
241	10/29/2015 11:33	0.010	0.011

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
242	10/29/2015 11:34	0.012	0.012
243	10/29/2015 11:35	0.012	0.012
244	10/29/2015 11:36	0.012	0.012
245	10/29/2015 11:37	0.012	0.012
246	10/29/2015 11:38	0.012	0.012
247	10/29/2015 11:39	0.012	0.012
248	10/29/2015 11:40	0.012	0.012
249	10/29/2015 11:41	0.013	0.012
250	10/29/2015 11:42	0.012	0.012
251	10/29/2015 11:43	0.012	0.012
252	10/29/2015 11:44	0.012	0.012
253	10/29/2015 11:45	0.012	0.012
254	10/29/2015 11:46	0.010	0.012
255	10/29/2015 11:47	0.007	0.012
256	10/29/2015 11:48	0.006	0.011
257	10/29/2015 11:49	0.006	0.011
258	10/29/2015 11:50	0.007	0.010
259	10/29/2015 11:51	0.012	0.010
260	10/29/2015 11:52	0.012	0.010
261	10/29/2015 11:53	0.012	0.010
262	10/29/2015 11:54	0.012	0.010
263	10/29/2015 11:55	0.014	0.011
264	10/29/2015 11:56	0.012	0.011
265	10/29/2015 11:57	0.012	0.011
266	10/29/2015 11:58	0.012	0.011
267	10/29/2015 11:59	0.012	0.011
268	10/29/2015 12:00	0.012	0.011
269	10/29/2015 12:01	0.012	0.011
270	10/29/2015 12:02	0.012	0.011
271	10/29/2015 12:03	0.012	0.011
272	10/29/2015 12:04	0.012	0.012
273	10/29/2015 12:05	0.012	0.012
274	10/29/2015 12:06	0.012	0.012
275	10/29/2015 12:07	0.009	0.012
276	10/29/2015 12:08	0.007	0.012
277	10/29/2015 12:09	0.007	0.011
278	10/29/2015 12:10	0.006	0.011
279	10/29/2015 12:11	0.006	0.010
280	10/29/2015 12:12	0.006	0.010
281	10/29/2015 12:13	0.005	0.009
282	10/29/2015 12:14	0.005	0.009
283	10/29/2015 12:15	0.005	0.009
284	10/29/2015 12:16	0.005	0.008
285	10/29/2015 12:17	0.005	0.008
286	10/29/2015 12:18	0.005	0.007
287	10/29/2015 12:19	0.005	0.007
288	10/29/2015 12:20	0.006	0.006
289	10/29/2015 12:21	0.005	0.006
290	10/29/2015 12:22	0.005	0.006
291	10/29/2015 12:23	0.005	0.005

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
242	10/29/2015 11:34	0.010	0.011
243	10/29/2015 11:35	0.010	0.010
244	10/29/2015 11:36	0.010	0.010
245	10/29/2015 11:37	0.010	0.010
246	10/29/2015 11:38	0.010	0.010
247	10/29/2015 11:39	0.010	0.010
248	10/29/2015 11:40	0.010	0.010
249	10/29/2015 11:41	0.010	0.010
250	10/29/2015 11:42	0.010	0.010
251	10/29/2015 11:43	0.010	0.010
252	10/29/2015 11:44	0.010	0.010
253	10/29/2015 11:45	0.010	0.010
254	10/29/2015 11:46	0.010	0.010
255	10/29/2015 11:47	0.010	0.010
256	10/29/2015 11:48	0.010	0.010
257	10/29/2015 11:49	0.010	0.010
258	10/29/2015 11:50	0.010	0.010
259	10/29/2015 11:51	0.009	0.010
260	10/29/2015 11:52	0.013	0.010
261	10/29/2015 11:53	0.009	0.010
262	10/29/2015 11:54	0.009	0.010
263	10/29/2015 11:55	0.009	0.010
264	10/29/2015 11:56	0.009	0.010
265	10/29/2015 11:57	0.009	0.010
266	10/29/2015 11:58	0.008	0.010
267	10/29/2015 11:59	0.009	0.010
268	10/29/2015 12:00	0.009	0.010
269	10/29/2015 12:01	0.008	0.009
270	10/29/2015 12:02	0.009	0.009
271	10/29/2015 12:03	0.009	0.009
272	10/29/2015 12:04	0.008	0.009
273	10/29/2015 12:05	0.006	0.009
274	10/29/2015 12:06	0.005	0.009
275	10/29/2015 12:07	0.004	0.008
276	10/29/2015 12:08	0.004	0.008
277	10/29/2015 12:09	0.004	0.007
278	10/29/2015 12:10	0.006	0.007
279	10/29/2015 12:11	0.003	0.007
280	10/29/2015 12:12	0.003	0.006
281	10/29/2015 12:13	0.003	0.006
282	10/29/2015 12:14	0.003	0.006
283	10/29/2015 12:15	0.004	0.005
284	10/29/2015 12:16	0.004	0.005
285	10/29/2015 12:17	0.004	0.005
286	10/29/2015 12:18	0.004	0.004
287	10/29/2015 12:19	0.004	0.004
288	10/29/2015 12:20	0.004	0.004
289	10/29/2015 12:21	0.004	0.004
290	10/29/2015 12:22	0.004	0.004
291	10/29/2015 12:23	0.005	0.004

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
292	10/29/2015 12:24	0.006	0.005
293	10/29/2015 12:25	0.006	0.005
294	10/29/2015 12:26	0.006	0.005
295	10/29/2015 12:27	0.006	0.005
296	10/29/2015 12:28	0.006	0.005
297	10/29/2015 12:29	0.006	0.005
298	10/29/2015 12:30	0.007	0.006
299	10/29/2015 12:31	0.006	0.006
300	10/29/2015 12:32	0.006	0.006
301	10/29/2015 12:33	0.006	0.006
302	10/29/2015 12:34	0.004	0.006
303	10/29/2015 12:35	0.004	0.006
304	10/29/2015 12:36	0.005	0.006
305	10/29/2015 12:37	0.006	0.006
306	10/29/2015 12:38	0.003	0.006
307	10/29/2015 12:39	0.004	0.005
308	10/29/2015 12:40	0.007	0.005
309	10/29/2015 12:41	0.007	0.006
310	10/29/2015 12:42	0.007	0.006
311	10/29/2015 12:43	0.007	0.006
312	10/29/2015 12:44	0.007	0.006
313	10/29/2015 12:45	0.007	0.006
314	10/29/2015 12:46	0.007	0.006
315	10/29/2015 12:47	0.007	0.006
316	10/29/2015 12:48	0.007	0.006
317	10/29/2015 12:49	0.008	0.006
318	10/29/2015 12:50	0.008	0.006
319	10/29/2015 12:51	0.008	0.007
320	10/29/2015 12:52	0.008	0.007
321	10/29/2015 12:53	0.007	0.007
322	10/29/2015 12:54	0.007	0.007
323	10/29/2015 12:55	0.007	0.007
324	10/29/2015 12:56	0.007	0.007
325	10/29/2015 12:57	0.008	0.007
326	10/29/2015 12:58	0.007	0.007
327	10/29/2015 12:59	0.007	0.007
328	10/29/2015 13:00	0.008	0.007
329	10/29/2015 13:01	0.008	0.007
330	10/29/2015 13:02	0.007	0.007
331	10/29/2015 13:03	0.008	0.008
332	10/29/2015 13:04	0.008	0.008
333	10/29/2015 13:05	0.008	0.008
334	10/29/2015 13:06	0.007	0.007
335	10/29/2015 13:07	0.007	0.007
336	10/29/2015 13:08	0.007	0.007
337	10/29/2015 13:09	0.007	0.007
338	10/29/2015 13:10	0.007	0.007
339	10/29/2015 13:11	0.007	0.007
340	10/29/2015 13:12	0.007	0.007
341	10/29/2015 13:13	0.007	0.007

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
292	10/29/2015 12:24	0.004	0.004
293	10/29/2015 12:25	0.004	0.004
294	10/29/2015 12:26	0.004	0.004
295	10/29/2015 12:27	0.005	0.004
296	10/29/2015 12:28	0.005	0.004
297	10/29/2015 12:29	0.005	0.004
298	10/29/2015 12:30	0.005	0.004
299	10/29/2015 12:31	0.005	0.004
300	10/29/2015 12:32	0.006	0.005
301	10/29/2015 12:33	0.006	0.005
302	10/29/2015 12:34	0.005	0.005
303	10/29/2015 12:35	0.005	0.005
304	10/29/2015 12:36	0.005	0.005
305	10/29/2015 12:37	0.006	0.005
306	10/29/2015 12:38	0.006	0.005
307	10/29/2015 12:39	0.006	0.005
308	10/29/2015 12:40	0.006	0.005
309	10/29/2015 12:41	0.006	0.005
310	10/29/2015 12:42	0.006	0.006
311	10/29/2015 12:43	0.005	0.006
312	10/29/2015 12:44	0.006	0.006
313	10/29/2015 12:45	0.006	0.006
314	10/29/2015 12:46	0.006	0.006
315	10/29/2015 12:47	0.006	0.006
316	10/29/2015 12:48	0.006	0.006
317	10/29/2015 12:49	0.005	0.006
318	10/29/2015 12:50	0.006	0.006
319	10/29/2015 12:51	0.006	0.006
320	10/29/2015 12:52	0.006	0.006
321	10/29/2015 12:53	0.014	0.006
322	10/29/2015 12:54	0.006	0.006
323	10/29/2015 12:55	0.006	0.006
324	10/29/2015 12:56	0.014	0.007
325	10/29/2015 12:57	0.006	0.007
326	10/29/2015 12:58	0.006	0.007
327	10/29/2015 12:59	0.006	0.007
328	10/29/2015 13:00	0.008	0.007
329	10/29/2015 13:01	0.011	0.007
330	10/29/2015 13:02	0.006	0.007
331	10/29/2015 13:03	0.007	0.008
332	10/29/2015 13:04	0.007	0.008
333	10/29/2015 13:05	0.010	0.008
334	10/29/2015 13:06	0.011	0.008
335	10/29/2015 13:07	0.006	0.008
336	10/29/2015 13:08	0.007	0.008
337	10/29/2015 13:09	0.011	0.008
338	10/29/2015 13:10	0.013	0.009
339	10/29/2015 13:11	0.027	0.009
340	10/29/2015 13:12	0.009	0.010
341	10/29/2015 13:13	0.012	0.010

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
342	10/29/2015 13:14	0.007	0.007
343	10/29/2015 13:15	0.007	0.007
344	10/29/2015 13:16	0.007	0.007
345	10/29/2015 13:17	0.007	0.007
346	10/29/2015 13:18	0.007	0.007
347	10/29/2015 13:19	0.007	0.007
348	10/29/2015 13:20	0.007	0.007
349	10/29/2015 13:21	0.007	0.007
350	10/29/2015 13:22	0.007	0.007
351	10/29/2015 13:23	0.007	0.007
352	10/29/2015 13:24	0.007	0.007
353	10/29/2015 13:25	0.007	0.007
354	10/29/2015 13:26	0.007	0.007
355	10/29/2015 13:27	0.007	0.007
356	10/29/2015 13:28	0.007	0.007
357	10/29/2015 13:29	0.007	0.007
358	10/29/2015 13:30	0.007	0.007
359	10/29/2015 13:31	0.007	0.007
360	10/29/2015 13:32	0.007	0.007
361	10/29/2015 13:33	0.007	0.007
362	10/29/2015 13:34	0.007	0.007
363	10/29/2015 13:35	0.007	0.007
364	10/29/2015 13:36	0.007	0.007
365	10/29/2015 13:37	0.007	0.007
366	10/29/2015 13:38	0.007	0.007
367	10/29/2015 13:39	0.007	0.007
368	10/29/2015 13:40	0.007	0.007
369	10/29/2015 13:41	0.007	0.007
370	10/29/2015 13:42	0.007	0.007
371	10/29/2015 13:43	0.008	0.007
372	10/29/2015 13:44	0.007	0.007
373	10/29/2015 13:45	0.007	0.007
374	10/29/2015 13:46	0.007	0.007
375	10/29/2015 13:47	0.008	0.007
376	10/29/2015 13:48	0.008	0.007
377	10/29/2015 13:49	0.007	0.007
378	10/29/2015 13:50	0.008	0.007
379	10/29/2015 13:51	0.008	0.007
380	10/29/2015 13:52	0.008	0.007
381	10/29/2015 13:53	0.008	0.007
382	10/29/2015 13:54	0.007	0.007
383	10/29/2015 13:55	0.008	0.008
384	10/29/2015 13:56	0.008	0.008
385	10/29/2015 13:57	0.008	0.008
386	10/29/2015 13:58	0.008	0.008
387	10/29/2015 13:59	0.008	0.008
388	10/29/2015 14:00	0.008	0.008
389	10/29/2015 14:01	0.008	0.008
390	10/29/2015 14:02	0.008	0.008
391	10/29/2015 14:03	0.008	0.008

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
342	10/29/2015 13:14	0.017	0.011
343	10/29/2015 13:15	0.006	0.011
344	10/29/2015 13:16	0.006	0.010
345	10/29/2015 13:17	0.007	0.010
346	10/29/2015 13:18	0.008	0.010
347	10/29/2015 13:19	0.008	0.011
348	10/29/2015 13:20	0.006	0.010
349	10/29/2015 13:21	0.006	0.010
350	10/29/2015 13:22	0.006	0.010
351	10/29/2015 13:23	0.005	0.010
352	10/29/2015 13:24	0.005	0.009
353	10/29/2015 13:25	0.005	0.009
354	10/29/2015 13:26	0.005	0.007
355	10/29/2015 13:27	0.005	0.007
356	10/29/2015 13:28	0.005	0.007
357	10/29/2015 13:29	0.006	0.006
358	10/29/2015 13:30	0.006	0.006
359	10/29/2015 13:31	0.006	0.006
360	10/29/2015 13:32	0.006	0.006
361	10/29/2015 13:33	0.005	0.006
362	10/29/2015 13:34	0.006	0.006
363	10/29/2015 13:35	0.006	0.006
364	10/29/2015 13:36	0.006	0.006
365	10/29/2015 13:37	0.007	0.006
366	10/29/2015 13:38	0.006	0.006
367	10/29/2015 13:39	0.006	0.006
368	10/29/2015 13:40	0.006	0.006
369	10/29/2015 13:41	0.006	0.006
370	10/29/2015 13:42	0.005	0.006
371	10/29/2015 13:43	0.006	0.006
372	10/29/2015 13:44	0.006	0.006
373	10/29/2015 13:45	0.006	0.006
374	10/29/2015 13:46	0.006	0.006
375	10/29/2015 13:47	0.006	0.006
376	10/29/2015 13:48	0.005	0.006
377	10/29/2015 13:49	0.006	0.006
378	10/29/2015 13:50	0.006	0.006
379	10/29/2015 13:51	0.006	0.006
380	10/29/2015 13:52	0.005	0.006
381	10/29/2015 13:53	0.005	0.006
382	10/29/2015 13:54	0.005	0.006
383	10/29/2015 13:55	0.005	0.006
384	10/29/2015 13:56	0.005	0.006
385	10/29/2015 13:57	0.005	0.006
386	10/29/2015 13:58	0.006	0.006
387	10/29/2015 13:59	0.005	0.005
388	10/29/2015 14:00	0.005	0.005
389	10/29/2015 14:01	0.005	0.005
390	10/29/2015 14:02	0.005	0.005
391	10/29/2015 14:03	0.005	0.005

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
392	10/29/2015 14:04	0.008	0.008
393	10/29/2015 14:05	0.008	0.008
394	10/29/2015 14:06	0.008	0.008
395	10/29/2015 14:07	0.008	0.008
396	10/29/2015 14:08	0.008	0.008
397	10/29/2015 14:09	0.008	0.008
398	10/29/2015 14:10	0.008	0.008
399	10/29/2015 14:11	0.008	0.008
400	10/29/2015 14:12	0.009	0.008
401	10/29/2015 14:13	0.009	0.008
402	10/29/2015 14:14	0.008	0.008
403	10/29/2015 14:15	0.008	0.008
404	10/29/2015 14:16	0.008	0.008
405	10/29/2015 14:17	0.008	0.008
406	10/29/2015 14:18	0.008	0.008
407	10/29/2015 14:19	0.008	0.008
408	10/29/2015 14:20	0.008	0.008
409	10/29/2015 14:21	0.008	0.008
410	10/29/2015 14:22	0.008	0.008
411	10/29/2015 14:23	0.008	0.008
412	10/29/2015 14:24	0.008	0.008
413	10/29/2015 14:25	0.008	0.008
414	10/29/2015 14:26	0.008	0.008
415	10/29/2015 14:27	0.008	0.008
416	10/29/2015 14:28	0.008	0.008
417	10/29/2015 14:29	0.008	0.008
418	10/29/2015 14:30	0.008	0.008
419	10/29/2015 14:31	0.008	0.008
420	10/29/2015 14:32	0.008	0.008
421	10/29/2015 14:33	0.008	0.008
422	10/29/2015 14:34	0.008	0.008
423	10/29/2015 14:35	0.008	0.008
424	10/29/2015 14:36	0.008	0.008
425	10/29/2015 14:37	0.008	0.008
426	10/29/2015 14:38	0.008	0.008
427	10/29/2015 14:39	0.008	0.008
428	10/29/2015 14:40	0.008	0.008
429	10/29/2015 14:41	0.008	0.008
430	10/29/2015 14:42	0.008	0.008
431	10/29/2015 14:43	0.008	0.008
432	10/29/2015 14:44	0.008	0.008
433	10/29/2015 14:45	0.008	0.008
434	10/29/2015 14:46	0.008	0.008
435	10/29/2015 14:47	0.008	0.008
436	10/29/2015 14:48	0.008	0.008
437	10/29/2015 14:49	0.008	0.008
438	10/29/2015 14:50	0.008	0.008
439	10/29/2015 14:51	0.008	0.008
440	10/29/2015 14:52	0.008	0.008
441	10/29/2015 14:53	0.008	0.008

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
392	10/29/2015 14:04	0.005	0.005
393	10/29/2015 14:05	0.005	0.005
394	10/29/2015 14:06	0.005	0.005
395	10/29/2015 14:07	0.005	0.005
396	10/29/2015 14:08	0.005	0.005
397	10/29/2015 14:09	0.005	0.005
398	10/29/2015 14:10	0.005	0.005
399	10/29/2015 14:11	0.005	0.005
400	10/29/2015 14:12	0.005	0.005
401	10/29/2015 14:13	0.007	0.005
402	10/29/2015 14:14	0.006	0.005
403	10/29/2015 14:15	0.007	0.005
404	10/29/2015 14:16	0.006	0.005
405	10/29/2015 14:17	0.006	0.005
406	10/29/2015 14:18	0.007	0.006
407	10/29/2015 14:19	0.010	0.006
408	10/29/2015 14:20	0.008	0.006
409	10/29/2015 14:21	0.009	0.006
410	10/29/2015 14:22	0.010	0.007
411	10/29/2015 14:23	0.006	0.007
412	10/29/2015 14:24	0.008	0.007
413	10/29/2015 14:25	0.005	0.007
414	10/29/2015 14:26	0.006	0.007
415	10/29/2015 14:27	0.008	0.007
416	10/29/2015 14:28	0.005	0.007
417	10/29/2015 14:29	0.006	0.007
418	10/29/2015 14:30	0.007	0.007
419	10/29/2015 14:31	0.006	0.007
420	10/29/2015 14:32	0.008	0.007
421	10/29/2015 14:33	0.006	0.007
422	10/29/2015 14:34	0.018	0.008
423	10/29/2015 14:35	0.030	0.009
424	10/29/2015 14:36	0.019	0.010
425	10/29/2015 14:37	0.021	0.011
426	10/29/2015 14:38	0.012	0.011
427	10/29/2015 14:39	0.011	0.011
428	10/29/2015 14:40	0.009	0.011
429	10/29/2015 14:41	0.007	0.012
430	10/29/2015 14:42	0.006	0.011
431	10/29/2015 14:43	0.006	0.011
432	10/29/2015 14:44	0.013	0.012
433	10/29/2015 14:45	0.009	0.012
434	10/29/2015 14:46	0.008	0.012
435	10/29/2015 14:47	0.005	0.012
436	10/29/2015 14:48	0.007	0.012
437	10/29/2015 14:49	0.005	0.011
438	10/29/2015 14:50	0.006	0.010
439	10/29/2015 14:51	0.008	0.009
440	10/29/2015 14:52	0.006	0.008
441	10/29/2015 14:53	0.007	0.008

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
442	10/29/2015 14:54	0.008	0.008
443	10/29/2015 14:55	0.008	0.008
444	10/29/2015 14:56	0.007	0.008
445	10/29/2015 14:57	0.008	0.008
446	10/29/2015 14:58	0.008	0.008
447	10/29/2015 14:59	0.008	0.008
448	10/29/2015 15:00	0.008	0.008
449	10/29/2015 15:01	0.008	0.008
450	10/29/2015 15:02	0.008	0.008
451	10/29/2015 15:03	0.008	0.008
452	10/29/2015 15:04	0.008	0.008
453	10/29/2015 15:05	0.008	0.008
454	10/29/2015 15:06	0.007	0.008
455	10/29/2015 15:07	0.007	0.008
456	10/29/2015 15:08	0.007	0.008
457	10/29/2015 15:09	0.007	0.008
458	10/29/2015 15:10	0.008	0.008
459	10/29/2015 15:11	0.007	0.008
460	10/29/2015 15:12	0.007	0.008
461	10/29/2015 15:13	0.007	0.008
462	10/29/2015 15:14	0.007	0.007
463	10/29/2015 15:15	0.007	0.007
464	10/29/2015 15:16	0.007	0.007
465	10/29/2015 15:17	0.007	0.007
466	10/29/2015 15:18	0.008	0.007
467	10/29/2015 15:19	0.007	0.007
468	10/29/2015 15:20	0.008	0.007
469	10/29/2015 15:21	0.007	0.007
470	10/29/2015 15:22	0.008	0.007
471	10/29/2015 15:23	0.008	0.007
472	10/29/2015 15:24	0.007	0.007
473	10/29/2015 15:25	0.007	0.007
474	10/29/2015 15:26	0.005	0.007
475	10/29/2015 15:27	0.005	0.007
476	10/29/2015 15:28	0.006	0.007

Thursday, October 29, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
442	10/29/2015 14:54	0.007	0.007
443	10/29/2015 14:55	0.006	0.007
444	10/29/2015 14:56	0.006	0.007
445	10/29/2015 14:57	0.005	0.007
446	10/29/2015 14:58	0.005	0.007
447	10/29/2015 14:59	0.006	0.006
448	10/29/2015 15:00	0.005	0.006
449	10/29/2015 15:01	0.006	0.006
450	10/29/2015 15:02	0.006	0.006
451	10/29/2015 15:03	0.006	0.006
452	10/29/2015 15:04	0.007	0.006
453	10/29/2015 15:05	0.005	0.006
454	10/29/2015 15:06	0.005	0.006
455	10/29/2015 15:07	0.005	0.006
456	10/29/2015 15:08	0.005	0.006
457	10/29/2015 15:09	0.006	0.006
458	10/29/2015 15:10	0.007	0.006
459	10/29/2015 15:11	0.005	0.006
460	10/29/2015 15:12	0.005	0.006
461	10/29/2015 15:13	0.009	0.006
462	10/29/2015 15:14	0.006	0.006
463	10/29/2015 15:15	0.007	0.006
464	10/29/2015 15:16	0.005	0.006
465	10/29/2015 15:17	0.006	0.006
466	10/29/2015 15:18	0.005	0.006
467	10/29/2015 15:19	0.006	0.006
468	10/29/2015 15:20	0.009	0.006
469	10/29/2015 15:21	0.007	0.006
470	10/29/2015 15:22	0.006	0.006
471	10/29/2015 15:23	0.005	0.006
472	10/29/2015 15:24	0.006	0.006
473	10/29/2015 15:25	0.006	0.006
474	10/29/2015 15:26	0.008	0.006
475	10/29/2015 15:27	0.006	0.006
476	10/29/2015 15:28	0.005	0.006

Upwind VOC Data Summary		
Maximum	0.4	ppm
Minimum	0.1	ppm
Average	0.3	ppm
Maximum 15-Minute Average	0.4	ppm

Downwind VOC Data Summary		
Maximum	0.0	ppm
Minimum	0.0	ppm
Average	0.0	ppm
Maximum 15-Minute Average	0.0	ppm

Friday, October 30, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
1	10/30/2015 8:46		
2	10/30/2015 8:47		
3	10/30/2015 8:48		
4	10/30/2015 8:49		
5	10/30/2015 8:50		
6	10/30/2015 8:51	0.1	
7	10/30/2015 8:52	0.1	
8	10/30/2015 8:53	0.1	
9	10/30/2015 8:54	0.1	
10	10/30/2015 8:55	0.1	
11	10/30/2015 8:56	0.1	
12	10/30/2015 8:57	0.1	
13	10/30/2015 8:58	0.1	
14	10/30/2015 8:59	0.1	
15	10/30/2015 9:00	0.1	0.1
16	10/30/2015 9:01	0.1	0.1
17	10/30/2015 9:02	0.1	0.1
18	10/30/2015 9:03	0.1	0.1
19	10/30/2015 9:04	0.1	0.1
20	10/30/2015 9:05	0.1	0.1
21	10/30/2015 9:06	0.1	0.1
22	10/30/2015 9:07	0.1	0.1
23	10/30/2015 9:08	0.1	0.1
24	10/30/2015 9:09	0.1	0.1
25	10/30/2015 9:10	0.1	0.1
26	10/30/2015 9:11	0.1	0.1
27	10/30/2015 9:12	0.1	0.1
28	10/30/2015 9:13	0.1	0.1
29	10/30/2015 9:14	0.1	0.1
30	10/30/2015 9:15	0.1	0.1
31	10/30/2015 9:16	0.1	0.1
32	10/30/2015 9:17	0.1	0.1
33	10/30/2015 9:18	0.1	0.1
34	10/30/2015 9:19	0.1	0.1
35	10/30/2015 9:20	0.1	0.1
36	10/30/2015 9:21	0.1	0.1
37	10/30/2015 9:22	0.2	0.1
38	10/30/2015 9:23	0.2	0.1
39	10/30/2015 9:24	0.2	0.1
40	10/30/2015 9:25	0.2	0.1
41	10/30/2015 9:26	0.2	0.1
42	10/30/2015 9:27	0.2	0.1

Friday, October 30, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
1	10/30/2015 8:46	0.0	
2	10/30/2015 8:47	0.0	
3	10/30/2015 8:48	0.0	
4	10/30/2015 8:49	0.0	
5	10/30/2015 8:50	0.0	
6	10/30/2015 8:51	0.0	
7	10/30/2015 8:52	0.0	
8	10/30/2015 8:53	0.0	
9	10/30/2015 8:54	0.0	
10	10/30/2015 8:55	0.0	
11	10/30/2015 8:56	0.0	
12	10/30/2015 8:57	0.0	
13	10/30/2015 8:58	0.0	
14	10/30/2015 8:59	0.0	
15	10/30/2015 9:00	0.0	0.0
16	10/30/2015 9:01	0.0	0.0
17	10/30/2015 9:02	0.0	0.0
18	10/30/2015 9:03	0.0	0.0
19	10/30/2015 9:04	0.0	0.0
20	10/30/2015 9:05	0.0	0.0
21	10/30/2015 9:06	0.0	0.0
22	10/30/2015 9:07	0.0	0.0
23	10/30/2015 9:08	0.0	0.0
24	10/30/2015 9:09	0.0	0.0
25	10/30/2015 9:10	0.0	0.0
26	10/30/2015 9:11	0.0	0.0
27	10/30/2015 9:12	0.0	0.0
28	10/30/2015 9:13	0.0	0.0
29	10/30/2015 9:14	0.0	0.0
30	10/30/2015 9:15	0.0	0.0
31	10/30/2015 9:16	0.0	0.0
32	10/30/2015 9:17	0.0	0.0
33	10/30/2015 9:18	0.0	0.0
34	10/30/2015 9:19	0.0	0.0
35	10/30/2015 9:20	0.0	0.0
36	10/30/2015 9:21	0.0	0.0
37	10/30/2015 9:22	0.0	0.0
38	10/30/2015 9:23	0.0	0.0
39	10/30/2015 9:24	0.0	0.0
40	10/30/2015 9:25	0.0	0.0
41	10/30/2015 9:26	0.0	0.0
42	10/30/2015 9:27	0.0	0.0

Friday, October 30, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
43	10/30/2015 9:28	0.2	0.2
44	10/30/2015 9:29	0.2	0.2
45	10/30/2015 9:30	0.2	0.2
46	10/30/2015 9:31	0.2	0.2
47	10/30/2015 9:32	0.2	0.2
48	10/30/2015 9:33	0.2	0.2
49	10/30/2015 9:34	0.2	0.2
50	10/30/2015 9:35	0.2	0.2
51	10/30/2015 9:36	0.2	0.2
52	10/30/2015 9:37	0.2	0.2
53	10/30/2015 9:38	0.2	0.2
54	10/30/2015 9:39	0.2	0.2
55	10/30/2015 9:40	0.2	0.2
56	10/30/2015 9:41	0.2	0.2
57	10/30/2015 9:42	0.2	0.2
58	10/30/2015 9:43	0.2	0.2
59	10/30/2015 9:44	0.2	0.2
60	10/30/2015 9:45	0.2	0.2
61	10/30/2015 9:46	0.2	0.2
62	10/30/2015 9:47	0.2	0.2
63	10/30/2015 9:48	0.2	0.2
64	10/30/2015 9:49	0.2	0.2
65	10/30/2015 9:50	0.2	0.2
66	10/30/2015 9:51	0.2	0.2
67	10/30/2015 9:52	0.2	0.2
68	10/30/2015 9:53	0.2	0.2
69	10/30/2015 9:54	0.2	0.2
70	10/30/2015 9:55	0.2	0.2
71	10/30/2015 9:56	0.2	0.2
72	10/30/2015 9:57	0.2	0.2
73	10/30/2015 9:58	0.2	0.2
74	10/30/2015 9:59	0.2	0.2
75	10/30/2015 10:00	0.2	0.2
76	10/30/2015 10:01	0.2	0.2
77	10/30/2015 10:02	0.2	0.2
78	10/30/2015 10:03	0.2	0.2
79	10/30/2015 10:04	0.2	0.2
80	10/30/2015 10:05	0.3	0.2
81	10/30/2015 10:06	0.3	0.2
82	10/30/2015 10:07	0.3	0.2
83	10/30/2015 10:08	0.3	0.2
84	10/30/2015 10:09	0.3	0.2
85	10/30/2015 10:10	0.3	0.2
86	10/30/2015 10:11	0.3	0.2
87	10/30/2015 10:12	0.3	0.2
88	10/30/2015 10:13	0.3	0.3
89	10/30/2015 10:14	0.3	0.3
90	10/30/2015 10:15	0.3	0.3
91	10/30/2015 10:16	0.3	0.3
92	10/30/2015 10:17	0.3	0.3

Friday, October 30, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
43	10/30/2015 9:28	0.0	0.0
44	10/30/2015 9:29	0.0	0.0
45	10/30/2015 9:30	0.0	0.0
46	10/30/2015 9:31	0.0	0.0
47	10/30/2015 9:32	0.0	0.0
48	10/30/2015 9:33	0.0	0.0
49	10/30/2015 9:34	0.0	0.0
50	10/30/2015 9:35	0.0	0.0
51	10/30/2015 9:36	0.0	0.0
52	10/30/2015 9:37	0.0	0.0
53	10/30/2015 9:38	0.0	0.0
54	10/30/2015 9:39	0.0	0.0
55	10/30/2015 9:40	0.0	0.0
56	10/30/2015 9:41	0.0	0.0
57	10/30/2015 9:42	0.0	0.0
58	10/30/2015 9:43	0.0	0.0
59	10/30/2015 9:44	0.0	0.0
60	10/30/2015 9:45	0.0	0.0
61	10/30/2015 9:46	0.0	0.0
62	10/30/2015 9:47	0.0	0.0
63	10/30/2015 9:48	0.0	0.0
64	10/30/2015 9:49	0.0	0.0
65	10/30/2015 9:50	0.0	0.0
66	10/30/2015 9:51	0.0	0.0
67	10/30/2015 9:52	0.0	0.0
68	10/30/2015 9:53	0.0	0.0
69	10/30/2015 9:54	0.0	0.0
70	10/30/2015 9:55	0.0	0.0
71	10/30/2015 9:56	0.0	0.0
72	10/30/2015 9:57	0.0	0.0
73	10/30/2015 9:58	0.0	0.0
74	10/30/2015 9:59	0.0	0.0
75	10/30/2015 10:00	0.0	0.0
76	10/30/2015 10:01	0.0	0.0
77	10/30/2015 10:02	0.0	0.0
78	10/30/2015 10:03	0.0	0.0
79	10/30/2015 10:04	0.0	0.0
80	10/30/2015 10:05	0.0	0.0
81	10/30/2015 10:06	0.0	0.0
82	10/30/2015 10:07	0.0	0.0
83	10/30/2015 10:08	0.0	0.0
84	10/30/2015 10:09	0.0	0.0
85	10/30/2015 10:10	0.0	0.0
86	10/30/2015 10:11	0.0	0.0
87	10/30/2015 10:12	0.0	0.0
88	10/30/2015 10:13	0.0	0.0
89	10/30/2015 10:14	0.0	0.0
90	10/30/2015 10:15	0.0	0.0
91	10/30/2015 10:16	0.0	0.0
92	10/30/2015 10:17	0.0	0.0

Friday, October 30, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
93	10/30/2015 10:18	0.3	0.3
94	10/30/2015 10:19	0.3	0.3
95	10/30/2015 10:20	0.3	0.3
96	10/30/2015 10:21	0.3	0.3
97	10/30/2015 10:22	0.3	0.3
98	10/30/2015 10:23	0.3	0.3
99	10/30/2015 10:24	0.3	0.3
100	10/30/2015 10:25	0.3	0.3
101	10/30/2015 10:26	0.3	0.3
102	10/30/2015 10:27	0.3	0.3
103	10/30/2015 10:28	0.3	0.3
104	10/30/2015 10:29	0.3	0.3
105	10/30/2015 10:30	0.3	0.3
106	10/30/2015 10:31	0.3	0.3
107	10/30/2015 10:32	0.3	0.3
108	10/30/2015 10:33	0.3	0.3
109	10/30/2015 10:34	0.3	0.3
110	10/30/2015 10:35	0.3	0.3
111	10/30/2015 10:36	0.3	0.3
112	10/30/2015 10:37	0.3	0.3
113	10/30/2015 10:38	0.3	0.3
114	10/30/2015 10:39	0.3	0.3
115	10/30/2015 10:40	0.3	0.3
116	10/30/2015 10:41	0.3	0.3
117	10/30/2015 10:42	0.3	0.3
118	10/30/2015 10:43	0.3	0.3
119	10/30/2015 10:44	0.3	0.3
120	10/30/2015 10:45	0.3	0.3
121	10/30/2015 10:46	0.3	0.3
122	10/30/2015 10:47	0.3	0.3
123	10/30/2015 10:48	0.3	0.3
124	10/30/2015 10:49	0.3	0.3
125	10/30/2015 10:50	0.4	0.3
126	10/30/2015 10:51	0.4	0.3
127	10/30/2015 10:52	0.4	0.3
128	10/30/2015 10:53	0.4	0.3
129	10/30/2015 10:54	0.4	0.3
130	10/30/2015 10:55	0.4	0.3
131	10/30/2015 10:56	0.4	0.3
132	10/30/2015 10:57	0.4	0.4
133	10/30/2015 10:58	0.4	0.4
134	10/30/2015 10:59	0.4	0.4
135	10/30/2015 11:00	0.4	0.4
136	10/30/2015 11:01	0.4	0.4
137	10/30/2015 11:02	0.4	0.4
138	10/30/2015 11:03	0.4	0.4
139	10/30/2015 11:04	0.4	0.4
140	10/30/2015 11:05	0.4	0.4
141	10/30/2015 11:06	0.4	0.4
142	10/30/2015 11:07	0.4	0.4

Friday, October 30, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
93	10/30/2015 10:18	0.0	0.0
94	10/30/2015 10:19	0.0	0.0
95	10/30/2015 10:20	0.0	0.0
96	10/30/2015 10:21	0.0	0.0
97	10/30/2015 10:22	0.0	0.0
98	10/30/2015 10:23	0.0	0.0
99	10/30/2015 10:24	0.0	0.0
100	10/30/2015 10:25	0.0	0.0
101	10/30/2015 10:26	0.0	0.0
102	10/30/2015 10:27	0.0	0.0
103	10/30/2015 10:28	0.0	0.0
104	10/30/2015 10:29	0.0	0.0
105	10/30/2015 10:30	0.0	0.0
106	10/30/2015 10:31	0.0	0.0
107	10/30/2015 10:32	0.0	0.0
108	10/30/2015 10:33	0.0	0.0
109	10/30/2015 10:34	0.0	0.0
110	10/30/2015 10:35	0.0	0.0
111	10/30/2015 10:36	0.0	0.0
112	10/30/2015 10:37	0.0	0.0
113	10/30/2015 10:38	0.0	0.0
114	10/30/2015 10:39	0.0	0.0
115	10/30/2015 10:40	0.0	0.0
116	10/30/2015 10:41	0.0	0.0
117	10/30/2015 10:42	0.0	0.0
118	10/30/2015 10:43	0.0	0.0
119	10/30/2015 10:44	0.0	0.0
120	10/30/2015 10:45	0.0	0.0
121	10/30/2015 10:46	0.0	0.0
122	10/30/2015 10:47	0.0	0.0
123	10/30/2015 10:48	0.0	0.0
124	10/30/2015 10:49	0.0	0.0
125	10/30/2015 10:50	0.0	0.0
126	10/30/2015 10:51	0.0	0.0
127	10/30/2015 10:52	0.0	0.0
128	10/30/2015 10:53	0.0	0.0
129	10/30/2015 10:54	0.0	0.0
130	10/30/2015 10:55	0.0	0.0
131	10/30/2015 10:56	0.0	0.0
132	10/30/2015 10:57	0.0	0.0
133	10/30/2015 10:58	0.0	0.0
134	10/30/2015 10:59	0.0	0.0
135	10/30/2015 11:00	0.0	0.0
136	10/30/2015 11:01	0.0	0.0
137	10/30/2015 11:02	0.0	0.0
138	10/30/2015 11:03	0.0	0.0
139	10/30/2015 11:04	0.0	0.0
140	10/30/2015 11:05	0.0	0.0
141	10/30/2015 11:06	0.0	0.0
142	10/30/2015 11:07	0.0	0.0

Friday, October 30, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
143	10/30/2015 11:08	0.4	0.4
144	10/30/2015 11:09	0.4	0.4
145	10/30/2015 11:10	0.4	0.4
146	10/30/2015 11:11	0.4	0.4
147	10/30/2015 11:12	0.4	0.4
148	10/30/2015 11:13	0.4	0.4
149	10/30/2015 11:14	0.4	0.4
150	10/30/2015 11:15	0.4	0.4
151	10/30/2015 11:16	0.4	0.4
152	10/30/2015 11:17	0.4	0.4
153	10/30/2015 11:18	0.4	0.4
154	10/30/2015 11:19	0.4	0.4
155	10/30/2015 11:20	0.4	0.4
156	10/30/2015 11:21	0.4	0.4
157	10/30/2015 11:22	0.4	0.4
158	10/30/2015 11:23	0.4	0.4
159	10/30/2015 11:24	0.4	0.4
160	10/30/2015 11:25	0.4	0.4
161	10/30/2015 11:26	0.4	0.4
162	10/30/2015 11:27	0.4	0.4
163	10/30/2015 11:28	0.4	0.4
164	10/30/2015 11:29	0.4	0.4
165	10/30/2015 11:30	0.4	0.4
166	10/30/2015 11:31	0.4	0.4
167	10/30/2015 11:32	0.4	0.4
168	10/30/2015 11:33	0.4	0.4
169	10/30/2015 11:34	0.4	0.4
170	10/30/2015 11:35	0.4	0.4
171	10/30/2015 11:36	0.4	0.4
172	10/30/2015 11:37	0.4	0.4
173	10/30/2015 11:38	0.4	0.4
174	10/30/2015 11:39	0.4	0.4
175	10/30/2015 11:40	0.4	0.4
176	10/30/2015 11:41	0.4	0.4
177	10/30/2015 11:42	0.4	0.4
178	10/30/2015 11:43	0.4	0.4
179	10/30/2015 11:44	0.4	0.4
180	10/30/2015 11:45	0.4	0.4
181	10/30/2015 11:46	0.4	0.4
182	10/30/2015 11:47	0.4	0.4
183	10/30/2015 11:48	0.4	0.4
184	10/30/2015 11:49	0.4	0.4
185	10/30/2015 11:50	0.4	0.4
186	10/30/2015 11:51	0.4	0.4
187	10/30/2015 11:52	0.4	0.4
188	10/30/2015 11:53	0.4	0.4
189	10/30/2015 11:54	0.4	0.4
190	10/30/2015 11:55	0.4	0.4
191	10/30/2015 11:56	0.4	0.4
192	10/30/2015 11:57	0.4	0.4

Friday, October 30, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
143	10/30/2015 11:08	0.0	0.0
144	10/30/2015 11:09	0.0	0.0
145	10/30/2015 11:10	0.0	0.0
146	10/30/2015 11:11	0.0	0.0
147	10/30/2015 11:12	0.0	0.0
148	10/30/2015 11:13	0.0	0.0
149	10/30/2015 11:14	0.0	0.0
150	10/30/2015 11:15	0.0	0.0
151	10/30/2015 11:16	0.0	0.0
152	10/30/2015 11:17	0.0	0.0
153	10/30/2015 11:18	0.0	0.0
154	10/30/2015 11:19	0.0	0.0
155	10/30/2015 11:20	0.0	0.0
156	10/30/2015 11:21	0.0	0.0
157	10/30/2015 11:22	0.0	0.0
158	10/30/2015 11:23	0.0	0.0
159	10/30/2015 11:24	0.0	0.0
160	10/30/2015 11:25	0.0	0.0
161	10/30/2015 11:26	0.0	0.0
162	10/30/2015 11:27	0.0	0.0
163	10/30/2015 11:28	0.0	0.0
164	10/30/2015 11:29	0.0	0.0
165	10/30/2015 11:30	0.0	0.0
166	10/30/2015 11:31	0.0	0.0
167	10/30/2015 11:32	0.0	0.0
168	10/30/2015 11:33	0.0	0.0
169	10/30/2015 11:34	0.0	0.0
170	10/30/2015 11:35	0.0	0.0
171	10/30/2015 11:36	0.0	0.0
172	10/30/2015 11:37	0.0	0.0
173	10/30/2015 11:38	0.0	0.0
174	10/30/2015 11:39	0.0	0.0
175	10/30/2015 11:40	0.0	0.0
176	10/30/2015 11:41	0.0	0.0
177	10/30/2015 11:42	0.0	0.0
178	10/30/2015 11:43	0.0	0.0
179	10/30/2015 11:44	0.0	0.0
180	10/30/2015 11:45	0.0	0.0
181	10/30/2015 11:46	0.0	0.0
182	10/30/2015 11:47	0.0	0.0
183	10/30/2015 11:48	0.0	0.0
184	10/30/2015 11:49	0.0	0.0
185	10/30/2015 11:50	0.0	0.0
186	10/30/2015 11:51	0.0	0.0
187	10/30/2015 11:52	0.0	0.0
188	10/30/2015 11:53	0.0	0.0
189	10/30/2015 11:54	0.0	0.0
190	10/30/2015 11:55	0.0	0.0
191	10/30/2015 11:56	0.0	0.0
192	10/30/2015 11:57	0.0	0.0

Friday, October 30, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
193	10/30/2015 11:58	0.4	0.4
194	10/30/2015 11:59	0.4	0.4
195	10/30/2015 12:00	0.4	0.4
196	10/30/2015 12:01	0.4	0.4
197	10/30/2015 12:02	0.4	0.4
198	10/30/2015 12:03	0.3	0.4
199	10/30/2015 12:04	0.3	0.4
200	10/30/2015 12:05	0.3	0.4
201	10/30/2015 12:06	0.3	0.4
202	10/30/2015 12:07	0.3	0.4
203	10/30/2015 12:08	0.3	0.4
204	10/30/2015 12:09	0.3	0.4
205	10/30/2015 12:10	0.3	0.3
206	10/30/2015 12:11	0.3	0.3
207	10/30/2015 12:12	0.3	0.3
208	10/30/2015 12:13	0.3	0.3
209	10/30/2015 12:14	0.3	0.3
210	10/30/2015 12:15	0.3	0.3
211	10/30/2015 12:16	0.3	0.3
212	10/30/2015 12:17	0.3	0.3
213	10/30/2015 12:18	0.3	0.3
214	10/30/2015 12:19	0.3	0.3
215	10/30/2015 12:20	0.3	0.3
216	10/30/2015 12:21	0.3	0.3
217	10/30/2015 12:22	0.4	0.3
218	10/30/2015 12:23	0.4	0.3
219	10/30/2015 12:24	0.4	0.3
220	10/30/2015 12:25	0.4	0.3
221	10/30/2015 12:26	0.4	0.3
222	10/30/2015 12:27	0.4	0.3
223	10/30/2015 12:28	0.4	0.3
224	10/30/2015 12:29	0.4	0.3
225	10/30/2015 12:30	0.4	0.4
226	10/30/2015 12:31	0.4	0.4
227	10/30/2015 12:32	0.4	0.4
228	10/30/2015 12:33	0.4	0.4
229	10/30/2015 12:34	0.4	0.4
230	10/30/2015 12:35	0.4	0.4
231	10/30/2015 12:36	0.4	0.4
232	10/30/2015 12:37	0.4	0.4
233	10/30/2015 12:38	0.4	0.4
234	10/30/2015 12:39	0.4	0.4
235	10/30/2015 12:40	0.4	0.4
236	10/30/2015 12:41	0.4	0.4
237	10/30/2015 12:42	0.4	0.4
238	10/30/2015 12:43	0.4	0.4
239	10/30/2015 12:44	0.4	0.4
240	10/30/2015 12:45	0.4	0.4
241	10/30/2015 12:46	0.4	0.4
242	10/30/2015 12:47	0.4	0.4

Friday, October 30, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
193	10/30/2015 11:58	0.0	0.0
194	10/30/2015 11:59	0.0	0.0
195	10/30/2015 12:00	0.0	0.0
196	10/30/2015 12:01	0.0	0.0
197	10/30/2015 12:02	0.0	0.0
198	10/30/2015 12:03	0.0	0.0
199	10/30/2015 12:04	0.0	0.0
200	10/30/2015 12:05	0.0	0.0
201	10/30/2015 12:06	0.0	0.0
202	10/30/2015 12:07	0.0	0.0
203	10/30/2015 12:08	0.0	0.0
204	10/30/2015 12:09	0.0	0.0
205	10/30/2015 12:10	0.0	0.0
206	10/30/2015 12:11	0.0	0.0
207	10/30/2015 12:12	0.0	0.0
208	10/30/2015 12:13	0.0	0.0
209	10/30/2015 12:14	0.0	0.0
210	10/30/2015 12:15	0.0	0.0
211	10/30/2015 12:16	0.0	0.0
212	10/30/2015 12:17	0.0	0.0
213	10/30/2015 12:18	0.0	0.0
214	10/30/2015 12:19	0.0	0.0
215	10/30/2015 12:20	0.0	0.0
216	10/30/2015 12:21	0.0	0.0
217	10/30/2015 12:22	0.0	0.0
218	10/30/2015 12:23	0.0	0.0
219	10/30/2015 12:24	0.0	0.0
220	10/30/2015 12:25	0.0	0.0
221	10/30/2015 12:26	0.0	0.0
222	10/30/2015 12:27	0.0	0.0
223	10/30/2015 12:28	0.0	0.0
224	10/30/2015 12:29	0.0	0.0
225	10/30/2015 12:30	0.0	0.0
226	10/30/2015 12:31	0.0	0.0
227	10/30/2015 12:32	0.0	0.0
228	10/30/2015 12:33	0.0	0.0
229	10/30/2015 12:34	0.0	0.0
230	10/30/2015 12:35	0.0	0.0
231	10/30/2015 12:36	0.0	0.0
232	10/30/2015 12:37	0.0	0.0
233	10/30/2015 12:38	0.0	0.0
234	10/30/2015 12:39	0.0	0.0
235	10/30/2015 12:40	0.0	0.0
236	10/30/2015 12:41	0.0	0.0
237	10/30/2015 12:42	0.0	0.0
238	10/30/2015 12:43	0.0	0.0
239	10/30/2015 12:44	0.0	0.0
240	10/30/2015 12:45	0.0	0.0
241	10/30/2015 12:46	0.0	0.0
242	10/30/2015 12:47	0.0	0.0

Friday, October 30, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
243	10/30/2015 12:48	0.4	0.4
244	10/30/2015 12:49	0.4	0.4
245	10/30/2015 12:50	0.4	0.4
246	10/30/2015 12:51	0.4	0.4
247	10/30/2015 12:52	0.4	0.4
248	10/30/2015 12:53	0.4	0.4
249	10/30/2015 12:54	0.4	0.4
250	10/30/2015 12:55	0.4	0.4
251	10/30/2015 12:56	0.4	0.4
252	10/30/2015 12:57	0.4	0.4
253	10/30/2015 12:58	0.4	0.4
254	10/30/2015 12:59	0.4	0.4
255	10/30/2015 13:00	0.4	0.4
256	10/30/2015 13:01	0.4	0.4
257	10/30/2015 13:02	0.4	0.4
258	10/30/2015 13:03	0.4	0.4
259	10/30/2015 13:04	0.4	0.4
260	10/30/2015 13:05	0.4	0.4
261	10/30/2015 13:06	0.4	0.4
262	10/30/2015 13:07	0.4	0.4
263	10/30/2015 13:08	0.4	0.4
264	10/30/2015 13:09	0.4	0.4
265	10/30/2015 13:10	0.4	0.4
266	10/30/2015 13:11	0.4	0.4
267	10/30/2015 13:12	0.4	0.4
268	10/30/2015 13:13	0.4	0.4
269	10/30/2015 13:14	0.4	0.4
270	10/30/2015 13:15	0.4	0.4
271	10/30/2015 13:16	0.4	0.4
272	10/30/2015 13:17		0.4
273	10/30/2015 13:18		0.4
274	10/30/2015 13:19		0.4

Friday, October 30, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
243	10/30/2015 12:48	0.0	0.0
244	10/30/2015 12:49	0.0	0.0
245	10/30/2015 12:50	0.0	0.0
246	10/30/2015 12:51	0.0	0.0
247	10/30/2015 12:52	0.0	0.0
248	10/30/2015 12:53	0.0	0.0
249	10/30/2015 12:54	0.0	0.0
250	10/30/2015 12:55	0.0	0.0
251	10/30/2015 12:56	0.0	0.0
252	10/30/2015 12:57	0.0	0.0
253	10/30/2015 12:58	0.0	0.0
254	10/30/2015 12:59	0.0	0.0
255	10/30/2015 13:00	0.0	0.0
256	10/30/2015 13:01	0.0	0.0
257	10/30/2015 13:02	0.0	0.0
258	10/30/2015 13:03	0.0	0.0
259	10/30/2015 13:04	0.0	0.0
260	10/30/2015 13:05	0.0	0.0
261	10/30/2015 13:06	0.0	0.0
262	10/30/2015 13:07	0.0	0.0
263	10/30/2015 13:08	0.0	0.0
264	10/30/2015 13:09	0.0	0.0
265	10/30/2015 13:10	0.0	0.0
266	10/30/2015 13:11	0.0	0.0
267	10/30/2015 13:12	0.0	0.0
268	10/30/2015 13:13	0.0	0.0
269	10/30/2015 13:14	0.0	0.0
270	10/30/2015 13:15	0.0	0.0
271	10/30/2015 13:16	0.0	0.0
272	10/30/2015 13:17	0.0	0.0
273	10/30/2015 13:18	0.0	0.0
274	10/30/2015 13:19	0.0	0.0

Upwind PM-10 Data Summary		
Maximum	0.021	mg/m^3
Minimum	0.002	mg/m^3
Average	0.005	mg/m^3
Maximum 15-Minute Average	0.009	mg/m^3

Downwind PM-10 Data Summary		
Maximum	0.021	mg/m^3
Minimum	0.001	mg/m^3
Average	0.005	mg/m^3
Maximum 15-Minute Average	0.008	mg/m^3

Friday, October 30, 2015
HRPC - IRM - AOC-1
Upwind DustTrak

Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
1	10/30/2015 8:46		
2	10/30/2015 8:47		
3	10/30/2015 8:48		
4	10/30/2015 8:49		
5	10/30/2015 8:50		
6	10/30/2015 8:51	0.014	
7	10/30/2015 8:52	0.013	
8	10/30/2015 8:53	0.010	
9	10/30/2015 8:54	0.006	
10	10/30/2015 8:55	0.006	
11	10/30/2015 8:56	0.008	
12	10/30/2015 8:57	0.007	
13	10/30/2015 8:58	0.007	
14	10/30/2015 8:59	0.006	
15	10/30/2015 9:00	0.006	0.008
16	10/30/2015 9:01	0.006	0.008
17	10/30/2015 9:02	0.006	0.008
18	10/30/2015 9:03	0.005	0.008
19	10/30/2015 9:04	0.004	0.007
20	10/30/2015 9:05	0.006	0.007
21	10/30/2015 9:06	0.010	0.007
22	10/30/2015 9:07	0.010	0.007
23	10/30/2015 9:08	0.008	0.007
24	10/30/2015 9:09	0.007	0.007
25	10/30/2015 9:10	0.006	0.007
26	10/30/2015 9:11	0.015	0.007
27	10/30/2015 9:12	0.009	0.007
28	10/30/2015 9:13	0.010	0.008
29	10/30/2015 9:14	0.011	0.008
30	10/30/2015 9:15	0.010	0.008
31	10/30/2015 9:16	0.010	0.008
32	10/30/2015 9:17	0.006	0.008
33	10/30/2015 9:18	0.007	0.009
34	10/30/2015 9:19	0.005	0.009
35	10/30/2015 9:20	0.005	0.009
36	10/30/2015 9:21	0.005	0.008
37	10/30/2015 9:22	0.005	0.008
38	10/30/2015 9:23	0.005	0.008
39	10/30/2015 9:24	0.005	0.008
40	10/30/2015 9:25	0.004	0.007
41	10/30/2015 9:26	0.004	0.007

Friday, October 30, 2015
HRPC - IRM - AOC-1
Downwind DustTrak

Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
1	10/30/2015 8:46	0.005	
2	10/30/2015 8:47	0.005	
3	10/30/2015 8:48	0.005	
4	10/30/2015 8:49	0.005	
5	10/30/2015 8:50	0.005	
6	10/30/2015 8:51	0.005	
7	10/30/2015 8:52	0.005	
8	10/30/2015 8:53	0.009	
9	10/30/2015 8:54	0.010	
10	10/30/2015 8:55	0.006	
11	10/30/2015 8:56	0.006	
12	10/30/2015 8:57	0.007	
13	10/30/2015 8:58	0.007	
14	10/30/2015 8:59	0.007	
15	10/30/2015 9:00	0.007	0.006
16	10/30/2015 9:01	0.006	0.006
17	10/30/2015 9:02	0.006	0.006
18	10/30/2015 9:03	0.005	0.006
19	10/30/2015 9:04	0.005	0.006
20	10/30/2015 9:05	0.005	0.006
21	10/30/2015 9:06	0.005	0.006
22	10/30/2015 9:07	0.005	0.006
23	10/30/2015 9:08	0.005	0.006
24	10/30/2015 9:09	0.005	0.006
25	10/30/2015 9:10	0.005	0.006
26	10/30/2015 9:11	0.005	0.006
27	10/30/2015 9:12	0.008	0.006
28	10/30/2015 9:13	0.007	0.006
29	10/30/2015 9:14	0.006	0.006
30	10/30/2015 9:15	0.006	0.006
31	10/30/2015 9:16	0.007	0.006
32	10/30/2015 9:17	0.006	0.006
33	10/30/2015 9:18	0.010	0.006
34	10/30/2015 9:19	0.010	0.006
35	10/30/2015 9:20	0.017	0.007
36	10/30/2015 9:21	0.013	0.008
37	10/30/2015 9:22	0.005	0.008
38	10/30/2015 9:23	0.008	0.008
39	10/30/2015 9:24	0.009	0.008
40	10/30/2015 9:25	0.007	0.008
41	10/30/2015 9:26	0.005	0.008

Friday, October 30, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
42	10/30/2015 9:27	0.004	0.006
43	10/30/2015 9:28	0.004	0.006
44	10/30/2015 9:29	0.004	0.006
45	10/30/2015 9:30	0.005	0.005
46	10/30/2015 9:31	0.005	0.005
47	10/30/2015 9:32	0.011	0.005
48	10/30/2015 9:33	0.004	0.005
49	10/30/2015 9:34	0.004	0.005
50	10/30/2015 9:35	0.004	0.005
51	10/30/2015 9:36	0.004	0.005
52	10/30/2015 9:37	0.004	0.005
53	10/30/2015 9:38	0.006	0.005
54	10/30/2015 9:39	0.005	0.005
55	10/30/2015 9:40	0.006	0.005
56	10/30/2015 9:41	0.004	0.005
57	10/30/2015 9:42	0.004	0.005
58	10/30/2015 9:43	0.005	0.005
59	10/30/2015 9:44	0.005	0.005
60	10/30/2015 9:45	0.003	0.005
61	10/30/2015 9:46	0.003	0.005
62	10/30/2015 9:47	0.005	0.004
63	10/30/2015 9:48	0.003	0.004
64	10/30/2015 9:49	0.003	0.004
65	10/30/2015 9:50	0.003	0.004
66	10/30/2015 9:51	0.004	0.004
67	10/30/2015 9:52	0.004	0.004
68	10/30/2015 9:53	0.003	0.004
69	10/30/2015 9:54	0.003	0.004
70	10/30/2015 9:55	0.003	0.004
71	10/30/2015 9:56	0.003	0.004
72	10/30/2015 9:57	0.003	0.004
73	10/30/2015 9:58	0.003	0.003
74	10/30/2015 9:59	0.003	0.003
75	10/30/2015 10:00	0.003	0.003
76	10/30/2015 10:01	0.003	0.003
77	10/30/2015 10:02	0.003	0.003
78	10/30/2015 10:03	0.003	0.003
79	10/30/2015 10:04	0.002	0.003
80	10/30/2015 10:05	0.003	0.003
81	10/30/2015 10:06	0.003	0.003
82	10/30/2015 10:07	0.003	0.003
83	10/30/2015 10:08	0.003	0.003
84	10/30/2015 10:09	0.003	0.003
85	10/30/2015 10:10	0.003	0.003
86	10/30/2015 10:11	0.003	0.003
87	10/30/2015 10:12	0.003	0.003
88	10/30/2015 10:13	0.003	0.003
89	10/30/2015 10:14	0.003	0.003
90	10/30/2015 10:15	0.003	0.003
91	10/30/2015 10:16	0.003	0.003

Friday, October 30, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
42	10/30/2015 9:27	0.006	0.008
43	10/30/2015 9:28	0.007	0.008
44	10/30/2015 9:29	0.006	0.008
45	10/30/2015 9:30	0.005	0.008
46	10/30/2015 9:31	0.006	0.008
47	10/30/2015 9:32	0.007	0.008
48	10/30/2015 9:33	0.005	0.008
49	10/30/2015 9:34	0.012	0.008
50	10/30/2015 9:35	0.021	0.008
51	10/30/2015 9:36	0.006	0.008
52	10/30/2015 9:37	0.005	0.008
53	10/30/2015 9:38	0.005	0.007
54	10/30/2015 9:39	0.005	0.007
55	10/30/2015 9:40	0.005	0.007
56	10/30/2015 9:41	0.005	0.007
57	10/30/2015 9:42	0.005	0.007
58	10/30/2015 9:43	0.005	0.007
59	10/30/2015 9:44	0.005	0.007
60	10/30/2015 9:45	0.005	0.007
61	10/30/2015 9:46	0.005	0.007
62	10/30/2015 9:47	0.004	0.007
63	10/30/2015 9:48	0.004	0.006
64	10/30/2015 9:49	0.006	0.006
65	10/30/2015 9:50	0.005	0.005
66	10/30/2015 9:51	0.006	0.005
67	10/30/2015 9:52	0.005	0.005
68	10/30/2015 9:53	0.006	0.005
69	10/30/2015 9:54	0.005	0.005
70	10/30/2015 9:55	0.005	0.005
71	10/30/2015 9:56	0.004	0.005
72	10/30/2015 9:57	0.005	0.005
73	10/30/2015 9:58	0.007	0.005
74	10/30/2015 9:59	0.005	0.005
75	10/30/2015 10:00	0.004	0.005
76	10/30/2015 10:01	0.004	0.005
77	10/30/2015 10:02	0.004	0.005
78	10/30/2015 10:03	0.004	0.005
79	10/30/2015 10:04	0.007	0.005
80	10/30/2015 10:05	0.005	0.005
81	10/30/2015 10:06	0.005	0.005
82	10/30/2015 10:07	0.005	0.005
83	10/30/2015 10:08	0.005	0.005
84	10/30/2015 10:09	0.004	0.005
85	10/30/2015 10:10	0.004	0.005
86	10/30/2015 10:11	0.004	0.005
87	10/30/2015 10:12	0.004	0.005
88	10/30/2015 10:13	0.008	0.005
89	10/30/2015 10:14	0.008	0.005
90	10/30/2015 10:15	0.004	0.005
91	10/30/2015 10:16	0.004	0.005

Friday, October 30, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
92	10/30/2015 10:17	0.004	0.003
93	10/30/2015 10:18	0.003	0.003
94	10/30/2015 10:19	0.003	0.003
95	10/30/2015 10:20	0.003	0.003
96	10/30/2015 10:21	0.003	0.003
97	10/30/2015 10:22	0.003	0.003
98	10/30/2015 10:23	0.003	0.003
99	10/30/2015 10:24	0.002	0.003
100	10/30/2015 10:25	0.002	0.003
101	10/30/2015 10:26	0.002	0.003
102	10/30/2015 10:27	0.002	0.003
103	10/30/2015 10:28	0.002	0.003
104	10/30/2015 10:29	0.002	0.003
105	10/30/2015 10:30	0.002	0.003
106	10/30/2015 10:31	0.002	0.003
107	10/30/2015 10:32	0.006	0.003
108	10/30/2015 10:33	0.006	0.003
109	10/30/2015 10:34	0.002	0.003
110	10/30/2015 10:35	0.009	0.003
111	10/30/2015 10:36	0.002	0.003
112	10/30/2015 10:37	0.002	0.003
113	10/30/2015 10:38	0.003	0.003
114	10/30/2015 10:39	0.002	0.003
115	10/30/2015 10:40	0.002	0.003
116	10/30/2015 10:41	0.015	0.004
117	10/30/2015 10:42	0.021	0.005
118	10/30/2015 10:43	0.007	0.006
119	10/30/2015 10:44	0.003	0.006
120	10/30/2015 10:45	0.003	0.006
121	10/30/2015 10:46	0.002	0.006
122	10/30/2015 10:47	0.002	0.005
123	10/30/2015 10:48	0.007	0.005
124	10/30/2015 10:49	0.008	0.006
125	10/30/2015 10:50	0.004	0.006
126	10/30/2015 10:51	0.002	0.006
127	10/30/2015 10:52	0.002	0.006
128	10/30/2015 10:53	0.002	0.005
129	10/30/2015 10:54	0.005	0.006
130	10/30/2015 10:55	0.016	0.007
131	10/30/2015 10:56	0.015	0.007
132	10/30/2015 10:57	0.003	0.005
133	10/30/2015 10:58	0.003	0.005
134	10/30/2015 10:59	0.003	0.005
135	10/30/2015 11:00	0.003	0.005
136	10/30/2015 11:01	0.003	0.005
137	10/30/2015 11:02	0.003	0.005
138	10/30/2015 11:03	0.003	0.005
139	10/30/2015 11:04	0.003	0.005
140	10/30/2015 11:05	0.003	0.005
141	10/30/2015 11:06	0.003	0.005

Friday, October 30, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
92	10/30/2015 10:17	0.004	0.005
93	10/30/2015 10:18	0.004	0.005
94	10/30/2015 10:19	0.004	0.005
95	10/30/2015 10:20	0.004	0.005
96	10/30/2015 10:21	0.004	0.005
97	10/30/2015 10:22	0.004	0.005
98	10/30/2015 10:23	0.005	0.005
99	10/30/2015 10:24	0.004	0.005
100	10/30/2015 10:25	0.004	0.005
101	10/30/2015 10:26	0.004	0.005
102	10/30/2015 10:27	0.004	0.005
103	10/30/2015 10:28	0.004	0.004
104	10/30/2015 10:29	0.004	0.004
105	10/30/2015 10:30	0.004	0.004
106	10/30/2015 10:31	0.004	0.004
107	10/30/2015 10:32	0.004	0.004
108	10/30/2015 10:33	0.004	0.004
109	10/30/2015 10:34	0.004	0.004
110	10/30/2015 10:35	0.004	0.004
111	10/30/2015 10:36	0.004	0.004
112	10/30/2015 10:37	0.004	0.004
113	10/30/2015 10:38	0.004	0.004
114	10/30/2015 10:39	0.004	0.004
115	10/30/2015 10:40	0.004	0.004
116	10/30/2015 10:41	0.005	0.004
117	10/30/2015 10:42	0.004	0.004
118	10/30/2015 10:43	0.004	0.004
119	10/30/2015 10:44	0.004	0.004
120	10/30/2015 10:45	0.004	0.004
121	10/30/2015 10:46	0.004	0.004
122	10/30/2015 10:47	0.004	0.004
123	10/30/2015 10:48	0.004	0.004
124	10/30/2015 10:49	0.004	0.004
125	10/30/2015 10:50	0.004	0.004
126	10/30/2015 10:51	0.004	0.004
127	10/30/2015 10:52	0.005	0.004
128	10/30/2015 10:53	0.005	0.004
129	10/30/2015 10:54	0.005	0.004
130	10/30/2015 10:55	0.006	0.004
131	10/30/2015 10:56	0.005	0.004
132	10/30/2015 10:57	0.005	0.004
133	10/30/2015 10:58	0.005	0.005
134	10/30/2015 10:59	0.004	0.005
135	10/30/2015 11:00	0.004	0.005
136	10/30/2015 11:01	0.004	0.005
137	10/30/2015 11:02	0.004	0.005
138	10/30/2015 11:03	0.005	0.005
139	10/30/2015 11:04	0.005	0.005
140	10/30/2015 11:05	0.005	0.005
141	10/30/2015 11:06	0.004	0.005

Friday, October 30, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
142	10/30/2015 11:07	0.003	0.005
143	10/30/2015 11:08	0.003	0.005
144	10/30/2015 11:09	0.003	0.005
145	10/30/2015 11:10	0.003	0.004
146	10/30/2015 11:11	0.003	0.003
147	10/30/2015 11:12	0.003	0.003
148	10/30/2015 11:13	0.004	0.003
149	10/30/2015 11:14	0.004	0.003
150	10/30/2015 11:15	0.004	0.003
151	10/30/2015 11:16	0.004	0.003
152	10/30/2015 11:17	0.003	0.003
153	10/30/2015 11:18	0.003	0.003
154	10/30/2015 11:19	0.006	0.003
155	10/30/2015 11:20	0.005	0.004
156	10/30/2015 11:21	0.004	0.004
157	10/30/2015 11:22	0.004	0.004
158	10/30/2015 11:23	0.004	0.004
159	10/30/2015 11:24	0.003	0.004
160	10/30/2015 11:25	0.003	0.004
161	10/30/2015 11:26	0.005	0.004
162	10/30/2015 11:27	0.004	0.004
163	10/30/2015 11:28	0.005	0.004
164	10/30/2015 11:29	0.017	0.005
165	10/30/2015 11:30	0.004	0.005
166	10/30/2015 11:31	0.004	0.005
167	10/30/2015 11:32	0.003	0.005
168	10/30/2015 11:33	0.003	0.005
169	10/30/2015 11:34	0.004	0.005
170	10/30/2015 11:35	0.006	0.005
171	10/30/2015 11:36	0.008	0.005
172	10/30/2015 11:37	0.004	0.005
173	10/30/2015 11:38	0.004	0.005
174	10/30/2015 11:39	0.004	0.005
175	10/30/2015 11:40	0.004	0.005
176	10/30/2015 11:41	0.005	0.005
177	10/30/2015 11:42	0.004	0.005
178	10/30/2015 11:43	0.004	0.005
179	10/30/2015 11:44	0.005	0.004
180	10/30/2015 11:45	0.004	0.004
181	10/30/2015 11:46	0.008	0.005
182	10/30/2015 11:47	0.005	0.005
183	10/30/2015 11:48	0.005	0.005
184	10/30/2015 11:49	0.006	0.005
185	10/30/2015 11:50	0.005	0.005
186	10/30/2015 11:51	0.004	0.005
187	10/30/2015 11:52	0.004	0.005
188	10/30/2015 11:53	0.004	0.005
189	10/30/2015 11:54	0.004	0.005
190	10/30/2015 11:55	0.005	0.005
191	10/30/2015 11:56	0.004	0.005

Friday, October 30, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
142	10/30/2015 11:07	0.005	0.005
143	10/30/2015 11:08	0.004	0.005
144	10/30/2015 11:09	0.005	0.005
145	10/30/2015 11:10	0.004	0.005
146	10/30/2015 11:11	0.004	0.004
147	10/30/2015 11:12	0.004	0.004
148	10/30/2015 11:13	0.004	0.004
149	10/30/2015 11:14	0.004	0.004
150	10/30/2015 11:15	0.004	0.004
151	10/30/2015 11:16	0.004	0.004
152	10/30/2015 11:17	0.004	0.004
153	10/30/2015 11:18	0.004	0.004
154	10/30/2015 11:19	0.004	0.004
155	10/30/2015 11:20	0.004	0.004
156	10/30/2015 11:21	0.004	0.004
157	10/30/2015 11:22	0.004	0.004
158	10/30/2015 11:23	0.004	0.004
159	10/30/2015 11:24	0.004	0.004
160	10/30/2015 11:25	0.004	0.004
161	10/30/2015 11:26	0.004	0.004
162	10/30/2015 11:27	0.004	0.004
163	10/30/2015 11:28	0.004	0.004
164	10/30/2015 11:29	0.004	0.004
165	10/30/2015 11:30	0.004	0.004
166	10/30/2015 11:31	0.004	0.004
167	10/30/2015 11:32	0.004	0.004
168	10/30/2015 11:33	0.003	0.004
169	10/30/2015 11:34	0.003	0.004
170	10/30/2015 11:35	0.003	0.004
171	10/30/2015 11:36	0.003	0.004
172	10/30/2015 11:37	0.003	0.004
173	10/30/2015 11:38	0.003	0.004
174	10/30/2015 11:39	0.003	0.004
175	10/30/2015 11:40	0.003	0.003
176	10/30/2015 11:41	0.003	0.003
177	10/30/2015 11:42	0.003	0.003
178	10/30/2015 11:43	0.003	0.003
179	10/30/2015 11:44	0.003	0.003
180	10/30/2015 11:45	0.004	0.003
181	10/30/2015 11:46	0.004	0.003
182	10/30/2015 11:47	0.003	0.003
183	10/30/2015 11:48	0.003	0.003
184	10/30/2015 11:49	0.003	0.003
185	10/30/2015 11:50	0.003	0.003
186	10/30/2015 11:51	0.003	0.003
187	10/30/2015 11:52	0.004	0.003
188	10/30/2015 11:53	0.003	0.003
189	10/30/2015 11:54	0.003	0.003
190	10/30/2015 11:55	0.004	0.003
191	10/30/2015 11:56	0.004	0.003

Friday, October 30, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
192	10/30/2015 11:57	0.004	0.005
193	10/30/2015 11:58	0.005	0.005
194	10/30/2015 11:59	0.004	0.005
195	10/30/2015 12:00	0.004	0.005
196	10/30/2015 12:01	0.005	0.005
197	10/30/2015 12:02	0.004	0.004
198	10/30/2015 12:03	0.004	0.004
199	10/30/2015 12:04	0.004	0.004
200	10/30/2015 12:05	0.005	0.004
201	10/30/2015 12:06	0.006	0.004
202	10/30/2015 12:07	0.005	0.004
203	10/30/2015 12:08	0.005	0.005
204	10/30/2015 12:09	0.005	0.005
205	10/30/2015 12:10	0.004	0.005
206	10/30/2015 12:11	0.012	0.005
207	10/30/2015 12:12	0.004	0.005
208	10/30/2015 12:13	0.004	0.005
209	10/30/2015 12:14	0.004	0.005
210	10/30/2015 12:15	0.004	0.005
211	10/30/2015 12:16	0.004	0.005
212	10/30/2015 12:17	0.004	0.005
213	10/30/2015 12:18	0.005	0.005
214	10/30/2015 12:19	0.004	0.005
215	10/30/2015 12:20	0.006	0.005
216	10/30/2015 12:21	0.018	0.006
217	10/30/2015 12:22	0.006	0.006
218	10/30/2015 12:23	0.004	0.006
219	10/30/2015 12:24	0.004	0.006
220	10/30/2015 12:25	0.004	0.006
221	10/30/2015 12:26	0.006	0.005
222	10/30/2015 12:27	0.004	0.005
223	10/30/2015 12:28	0.004	0.005
224	10/30/2015 12:29	0.004	0.005
225	10/30/2015 12:30	0.004	0.005
226	10/30/2015 12:31	0.004	0.005
227	10/30/2015 12:32	0.004	0.005
228	10/30/2015 12:33	0.005	0.005
229	10/30/2015 12:34	0.004	0.005
230	10/30/2015 12:35	0.003	0.005
231	10/30/2015 12:36	0.004	0.004
232	10/30/2015 12:37	0.014	0.005
233	10/30/2015 12:38	0.011	0.005
234	10/30/2015 12:39	0.004	0.005
235	10/30/2015 12:40	0.003	0.005
236	10/30/2015 12:41	0.006	0.005
237	10/30/2015 12:42	0.003	0.005
238	10/30/2015 12:43	0.004	0.005
239	10/30/2015 12:44	0.003	0.005
240	10/30/2015 12:45	0.004	0.005
241	10/30/2015 12:46	0.003	0.005

Friday, October 30, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
192	10/30/2015 11:57	0.007	0.004
193	10/30/2015 11:58	0.003	0.004
194	10/30/2015 11:59	0.003	0.004
195	10/30/2015 12:00	0.003	0.004
196	10/30/2015 12:01	0.003	0.003
197	10/30/2015 12:02	0.003	0.003
198	10/30/2015 12:03	0.003	0.003
199	10/30/2015 12:04	0.004	0.004
200	10/30/2015 12:05	0.003	0.004
201	10/30/2015 12:06	0.003	0.004
202	10/30/2015 12:07	0.003	0.003
203	10/30/2015 12:08	0.004	0.004
204	10/30/2015 12:09	0.003	0.004
205	10/30/2015 12:10	0.003	0.003
206	10/30/2015 12:11	0.004	0.003
207	10/30/2015 12:12	0.003	0.003
208	10/30/2015 12:13	0.006	0.003
209	10/30/2015 12:14	0.007	0.004
210	10/30/2015 12:15	0.003	0.004
211	10/30/2015 12:16	0.004	0.004
212	10/30/2015 12:17	0.003	0.004
213	10/30/2015 12:18	0.014	0.004
214	10/30/2015 12:19	0.003	0.004
215	10/30/2015 12:20	0.003	0.004
216	10/30/2015 12:21	0.007	0.005
217	10/30/2015 12:22	0.006	0.005
218	10/30/2015 12:23	0.005	0.005
219	10/30/2015 12:24	0.003	0.005
220	10/30/2015 12:25	0.003	0.005
221	10/30/2015 12:26	0.005	0.005
222	10/30/2015 12:27	0.005	0.005
223	10/30/2015 12:28	0.003	0.005
224	10/30/2015 12:29	0.003	0.005
225	10/30/2015 12:30	0.003	0.005
226	10/30/2015 12:31	0.002	0.005
227	10/30/2015 12:32	0.002	0.004
228	10/30/2015 12:33	0.002	0.004
229	10/30/2015 12:34	0.004	0.004
230	10/30/2015 12:35	0.003	0.004
231	10/30/2015 12:36	0.002	0.003
232	10/30/2015 12:37	0.003	0.003
233	10/30/2015 12:38	0.002	0.003
234	10/30/2015 12:39	0.002	0.003
235	10/30/2015 12:40	0.003	0.003
236	10/30/2015 12:41	0.007	0.003
237	10/30/2015 12:42	0.018	0.004
238	10/30/2015 12:43	0.005	0.004
239	10/30/2015 12:44	0.003	0.004
240	10/30/2015 12:45	0.004	0.004
241	10/30/2015 12:46	0.002	0.004

Friday, October 30, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
242	10/30/2015 12:47	0.003	0.005
243	10/30/2015 12:48	0.003	0.005
244	10/30/2015 12:49	0.003	0.005
245	10/30/2015 12:50	0.004	0.005
246	10/30/2015 12:51	0.008	0.005
247	10/30/2015 12:52	0.004	0.004
248	10/30/2015 12:53	0.003	0.004
249	10/30/2015 12:54	0.004	0.004
250	10/30/2015 12:55	0.003	0.004
251	10/30/2015 12:56	0.003	0.004
252	10/30/2015 12:57	0.003	0.004
253	10/30/2015 12:58	0.004	0.004
254	10/30/2015 12:59	0.003	0.004
255	10/30/2015 13:00	0.004	0.004
256	10/30/2015 13:01	0.007	0.004
257	10/30/2015 13:02	0.017	0.005
258	10/30/2015 13:03	0.004	0.005
259	10/30/2015 13:04	0.003	0.005
260	10/30/2015 13:05	0.004	0.005
261	10/30/2015 13:06	0.004	0.005
262	10/30/2015 13:07	0.004	0.005
263	10/30/2015 13:08	0.005	0.005
264	10/30/2015 13:09	0.020	0.006
265	10/30/2015 13:10	0.007	0.006
266	10/30/2015 13:11	0.010	0.007
267	10/30/2015 13:12	0.004	0.007
268	10/30/2015 13:13	0.004	0.007
269	10/30/2015 13:14	0.004	0.007
270	10/30/2015 13:15	0.010	0.007
271	10/30/2015 13:16	0.004	0.007
272	10/30/2015 13:17	0.004	0.006
273	10/30/2015 13:18	0.004	0.006
274	10/30/2015 13:19	0.005	0.006

Friday, October 30, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
242	10/30/2015 12:47	0.005	0.004
243	10/30/2015 12:48	0.003	0.004
244	10/30/2015 12:49	0.002	0.004
245	10/30/2015 12:50	0.004	0.004
246	10/30/2015 12:51	0.003	0.004
247	10/30/2015 12:52	0.003	0.004
248	10/30/2015 12:53	0.003	0.004
249	10/30/2015 12:54	0.003	0.005
250	10/30/2015 12:55	0.003	0.005
251	10/30/2015 12:56	0.002	0.004
252	10/30/2015 12:57	0.002	0.003
253	10/30/2015 12:58	0.002	0.003
254	10/30/2015 12:59	0.002	0.003
255	10/30/2015 13:00	0.004	0.003
256	10/30/2015 13:01	0.003	0.003
257	10/30/2015 13:02	0.004	0.003
258	10/30/2015 13:03	0.006	0.003
259	10/30/2015 13:04	0.006	0.003
260	10/30/2015 13:05	0.002	0.003
261	10/30/2015 13:06	0.007	0.003
262	10/30/2015 13:07	0.003	0.003
263	10/30/2015 13:08	0.004	0.004
264	10/30/2015 13:09	0.003	0.004
265	10/30/2015 13:10	0.003	0.004
266	10/30/2015 13:11	0.002	0.004
267	10/30/2015 13:12	0.001	0.003
268	10/30/2015 13:13	0.001	0.003
269	10/30/2015 13:14	0.001	0.003
270	10/30/2015 13:15	0.001	0.003
271	10/30/2015 13:16	0.001	0.003
272	10/30/2015 13:17	0.001	0.003
273	10/30/2015 13:18	0.001	0.002
274	10/30/2015 13:19	0.001	0.002

Upwind VOC Data Summary		
Maximum	0.3	ppm
Minimum	0.0	ppm
Average	0.1	ppm
Maximum 15-Minute Average	0.3	ppm

Downwind VOC Data Summary		
Maximum	0.1	ppm
Minimum	0.0	ppm
Average	0.1	ppm
Maximum 15-Minute Average	0.1	ppm

Monday, November 9, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
1	11/9/2015 9:32		
2	11/9/2015 9:33		
3	11/9/2015 9:34		
4	11/9/2015 9:35		
5	11/9/2015 9:36		
6	11/9/2015 9:37		
7	11/9/2015 9:38		
8	11/9/2015 9:39		
9	11/9/2015 9:40		
10	11/9/2015 9:41		
11	11/9/2015 9:42		
12	11/9/2015 9:43	0.0	
13	11/9/2015 9:44	0.0	
14	11/9/2015 9:45	0.0	
15	11/9/2015 9:46	0.0	0.0
16	11/9/2015 9:47	0.0	0.0
17	11/9/2015 9:48	0.0	0.0
18	11/9/2015 9:49	0.0	0.0
19	11/9/2015 9:50	0.0	0.0
20	11/9/2015 9:51	0.0	0.0
21	11/9/2015 9:52	0.0	0.0
22	11/9/2015 9:53	0.0	0.0
23	11/9/2015 9:54	0.0	0.0
24	11/9/2015 9:55	0.0	0.0
25	11/9/2015 9:56	0.0	0.0
26	11/9/2015 9:57	0.0	0.0
27	11/9/2015 9:58	0.0	0.0
28	11/9/2015 9:59	0.0	0.0
29	11/9/2015 10:00	0.0	0.0
30	11/9/2015 10:01	0.0	0.0
31	11/9/2015 10:02	0.0	0.0
32	11/9/2015 10:03	0.0	0.0
33	11/9/2015 10:04	0.0	0.0
34	11/9/2015 10:05	0.0	0.0
35	11/9/2015 10:06	0.0	0.0
36	11/9/2015 10:07	0.0	0.0
37	11/9/2015 10:08	0.0	0.0
38	11/9/2015 10:09	0.1	0.0
39	11/9/2015 10:10	0.1	0.0
40	11/9/2015 10:11	0.1	0.0
41	11/9/2015 10:12	0.1	0.0
42	11/9/2015 10:13	0.1	0.0

Monday, November 9, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
1	11/9/2015 9:32	0.0	
2	11/9/2015 9:33	0.0	
3	11/9/2015 9:34	0.0	
4	11/9/2015 9:35	0.0	
5	11/9/2015 9:36	0.0	
6	11/9/2015 9:37	0.0	
7	11/9/2015 9:38	0.0	
8	11/9/2015 9:39	0.0	
9	11/9/2015 9:40	0.0	
10	11/9/2015 9:41	0.0	
11	11/9/2015 9:42	0.0	
12	11/9/2015 9:43	0.0	
13	11/9/2015 9:44	0.0	
14	11/9/2015 9:45	0.0	
15	11/9/2015 9:46	0.0	0.0
16	11/9/2015 9:47	0.0	0.0
17	11/9/2015 9:48	0.0	0.0
18	11/9/2015 9:49	0.0	0.0
19	11/9/2015 9:50	0.0	0.0
20	11/9/2015 9:51	0.0	0.0
21	11/9/2015 9:52	0.0	0.0
22	11/9/2015 9:53	0.0	0.0
23	11/9/2015 9:54	0.0	0.0
24	11/9/2015 9:55	0.0	0.0
25	11/9/2015 9:56	0.0	0.0
26	11/9/2015 9:57	0.0	0.0
27	11/9/2015 9:58	0.0	0.0
28	11/9/2015 9:59	0.0	0.0
29	11/9/2015 10:00	0.0	0.0
30	11/9/2015 10:01	0.0	0.0
31	11/9/2015 10:02	0.0	0.0
32	11/9/2015 10:03	0.0	0.0
33	11/9/2015 10:04	0.0	0.0
34	11/9/2015 10:05	0.0	0.0
35	11/9/2015 10:06	0.0	0.0
36	11/9/2015 10:07	0.0	0.0
37	11/9/2015 10:08	0.1	0.0
38	11/9/2015 10:09	0.0	0.0
39	11/9/2015 10:10	0.0	0.0
40	11/9/2015 10:11	0.1	0.0
41	11/9/2015 10:12	0.0	0.0
42	11/9/2015 10:13	0.0	0.0

Monday, November 9, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
43	11/9/2015 10:14	0.1	0.0
44	11/9/2015 10:15	0.1	0.0
45	11/9/2015 10:16	0.1	0.1
46	11/9/2015 10:17	0.1	0.1
47	11/9/2015 10:18	0.1	0.1
48	11/9/2015 10:19	0.1	0.1
49	11/9/2015 10:20	0.1	0.1
50	11/9/2015 10:21	0.1	0.1
51	11/9/2015 10:22	0.1	0.1
52	11/9/2015 10:23	0.1	0.1
53	11/9/2015 10:24	0.1	0.1
54	11/9/2015 10:25	0.1	0.1
55	11/9/2015 10:26	0.1	0.1
56	11/9/2015 10:27	0.1	0.1
57	11/9/2015 10:28	0.1	0.1
58	11/9/2015 10:29	0.1	0.1
59	11/9/2015 10:30	0.1	0.1
60	11/9/2015 10:31	0.1	0.1
61	11/9/2015 10:32	0.1	0.1
62	11/9/2015 10:33	0.1	0.1
63	11/9/2015 10:34	0.1	0.1
64	11/9/2015 10:35	0.1	0.1
65	11/9/2015 10:36	0.1	0.1
66	11/9/2015 10:37	0.1	0.1
67	11/9/2015 10:38	0.1	0.1
68	11/9/2015 10:39	0.1	0.1
69	11/9/2015 10:40	0.1	0.1
70	11/9/2015 10:41	0.1	0.1
71	11/9/2015 10:42	0.1	0.1
72	11/9/2015 10:43	0.1	0.1
73	11/9/2015 10:44	0.1	0.1
74	11/9/2015 10:45	0.1	0.1
75	11/9/2015 10:46	0.1	0.1
76	11/9/2015 10:47	0.1	0.1
77	11/9/2015 10:48	0.1	0.1
78	11/9/2015 10:49	0.1	0.1
79	11/9/2015 10:50	0.1	0.1
80	11/9/2015 10:51	0.1	0.1
81	11/9/2015 10:52	0.1	0.1
82	11/9/2015 10:53	0.1	0.1
83	11/9/2015 10:54	0.1	0.1
84	11/9/2015 10:55	0.2	0.1
85	11/9/2015 10:56	0.2	0.1
86	11/9/2015 10:57	0.2	0.1
87	11/9/2015 10:58	0.2	0.1
88	11/9/2015 10:59	0.2	0.1
89	11/9/2015 11:00	0.2	0.1
90	11/9/2015 11:01	0.2	0.1
91	11/9/2015 11:02	0.2	0.2
92	11/9/2015 11:03	0.2	0.2

Monday, November 9, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
43	11/9/2015 10:14	0.0	0.0
44	11/9/2015 10:15	0.1	0.0
45	11/9/2015 10:16	0.1	0.0
46	11/9/2015 10:17	0.1	0.0
47	11/9/2015 10:18	0.1	0.0
48	11/9/2015 10:19	0.1	0.0
49	11/9/2015 10:20	0.1	0.0
50	11/9/2015 10:21	0.0	0.1
51	11/9/2015 10:22	0.1	0.1
52	11/9/2015 10:23	0.1	0.1
53	11/9/2015 10:24	0.0	0.1
54	11/9/2015 10:25	0.1	0.1
55	11/9/2015 10:26	0.1	0.1
56	11/9/2015 10:27	0.1	0.1
57	11/9/2015 10:28	0.1	0.1
58	11/9/2015 10:29	0.1	0.1
59	11/9/2015 10:30	0.1	0.1
60	11/9/2015 10:31	0.1	0.1
61	11/9/2015 10:32	0.1	0.1
62	11/9/2015 10:33	0.1	0.1
63	11/9/2015 10:34	0.1	0.1
64	11/9/2015 10:35	0.1	0.1
65	11/9/2015 10:36	0.1	0.1
66	11/9/2015 10:37	0.1	0.1
67	11/9/2015 10:38	0.1	0.1
68	11/9/2015 10:39	0.0	0.1
69	11/9/2015 10:40	0.1	0.1
70	11/9/2015 10:41	0.1	0.1
71	11/9/2015 10:42	0.1	0.1
72	11/9/2015 10:43	0.1	0.1
73	11/9/2015 10:44	0.1	0.1
74	11/9/2015 10:45	0.1	0.1
75	11/9/2015 10:46	0.1	0.1
76	11/9/2015 10:47	0.1	0.1
77	11/9/2015 10:48	0.1	0.1
78	11/9/2015 10:49	0.1	0.1
79	11/9/2015 10:50	0.1	0.1
80	11/9/2015 10:51	0.1	0.1
81	11/9/2015 10:52	0.1	0.1
82	11/9/2015 10:53	0.1	0.1
83	11/9/2015 10:54	0.1	0.1
84	11/9/2015 10:55	0.1	0.1
85	11/9/2015 10:56	0.1	0.1
86	11/9/2015 10:57	0.1	0.1
87	11/9/2015 10:58	0.1	0.1
88	11/9/2015 10:59	0.1	0.1
89	11/9/2015 11:00	0.1	0.1
90	11/9/2015 11:01	0.1	0.1
91	11/9/2015 11:02	0.1	0.1
92	11/9/2015 11:03	0.1	0.1

Monday, November 9, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
93	11/9/2015 11:04	0.2	0.2
94	11/9/2015 11:05	0.2	0.2
95	11/9/2015 11:06	0.2	0.2
96	11/9/2015 11:07	0.2	0.2
97	11/9/2015 11:08	0.2	0.2
98	11/9/2015 11:09	0.2	0.2
99	11/9/2015 11:10	0.2	0.2
100	11/9/2015 11:11	0.2	0.2
101	11/9/2015 11:12	0.2	0.2
102	11/9/2015 11:13	0.2	0.2
103	11/9/2015 11:14	0.2	0.2
104	11/9/2015 11:15	0.2	0.2
105	11/9/2015 11:16	0.2	0.2
106	11/9/2015 11:17	0.2	0.2
107	11/9/2015 11:18	0.2	0.2
108	11/9/2015 11:19	0.2	0.2
109	11/9/2015 11:20	0.2	0.2
110	11/9/2015 11:21	0.2	0.2
111	11/9/2015 11:22	0.2	0.2
112	11/9/2015 11:23	0.2	0.2
113	11/9/2015 11:24	0.2	0.2
114	11/9/2015 11:25	0.3	0.2
115	11/9/2015 11:26	0.3	0.2
116	11/9/2015 11:27	0.3	0.2
117	11/9/2015 11:28	0.3	0.2
118	11/9/2015 11:29	0.3	0.2
119	11/9/2015 11:30	0.3	0.2
120	11/9/2015 11:31	0.3	0.2
121	11/9/2015 11:32	0.3	0.2
122	11/9/2015 11:33	0.3	0.3
123	11/9/2015 11:34	0.3	0.3
124	11/9/2015 11:35	0.3	0.3
125	11/9/2015 11:36	0.3	0.3
126	11/9/2015 11:37	0.3	0.3
127	11/9/2015 11:38	0.3	0.3
128	11/9/2015 11:39	0.3	0.3
129	11/9/2015 11:40	0.3	0.3
130	11/9/2015 11:41	0.3	0.3
131	11/9/2015 11:42	0.3	0.3
132	11/9/2015 11:43	0.3	0.3
133	11/9/2015 11:44	0.3	0.3
134	11/9/2015 11:45	0.3	0.3
135	11/9/2015 11:46	0.3	0.3
136	11/9/2015 11:47	0.3	0.3
137	11/9/2015 11:48	0.3	0.3
138	11/9/2015 11:49	0.3	0.3
139	11/9/2015 11:50	0.3	0.3
140	11/9/2015 11:51	0.3	0.3
141	11/9/2015 11:52	0.3	0.3
142	11/9/2015 11:53		0.3

Monday, November 9, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
93	11/9/2015 11:04	0.1	0.1
94	11/9/2015 11:05	0.1	0.1
95	11/9/2015 11:06	0.1	0.1
96	11/9/2015 11:07	0.1	0.1
97	11/9/2015 11:08	0.1	0.1
98	11/9/2015 11:09	0.1	0.1
99	11/9/2015 11:10	0.1	0.1
100	11/9/2015 11:11	0.1	0.1
101	11/9/2015 11:12	0.1	0.1
102	11/9/2015 11:13	0.1	0.1
103	11/9/2015 11:14	0.1	0.1
104	11/9/2015 11:15	0.1	0.1
105	11/9/2015 11:16	0.1	0.1
106	11/9/2015 11:17	0.1	0.1
107	11/9/2015 11:18	0.1	0.1
108	11/9/2015 11:19	0.1	0.1
109	11/9/2015 11:20	0.1	0.1
110	11/9/2015 11:21	0.1	0.1
111	11/9/2015 11:22	0.1	0.1
112	11/9/2015 11:23	0.1	0.1
113	11/9/2015 11:24	0.1	0.1
114	11/9/2015 11:25	0.1	0.1
115	11/9/2015 11:26	0.1	0.1
116	11/9/2015 11:27	0.1	0.1
117	11/9/2015 11:28	0.1	0.1
118	11/9/2015 11:29	0.1	0.1
119	11/9/2015 11:30	0.1	0.1
120	11/9/2015 11:31	0.1	0.1
121	11/9/2015 11:32	0.1	0.1
122	11/9/2015 11:33	0.1	0.1
123	11/9/2015 11:34	0.1	0.1
124	11/9/2015 11:35	0.1	0.1
125	11/9/2015 11:36	0.1	0.1
126	11/9/2015 11:37	0.1	0.1
127	11/9/2015 11:38	0.1	0.1
128	11/9/2015 11:39	0.1	0.1
129	11/9/2015 11:40	0.1	0.1
130	11/9/2015 11:41	0.1	0.1
131	11/9/2015 11:42	0.1	0.1
132	11/9/2015 11:43	0.1	0.1
133	11/9/2015 11:44	0.1	0.1
134	11/9/2015 11:45	0.1	0.1
135	11/9/2015 11:46	0.1	0.1
136	11/9/2015 11:47	0.1	0.1
137	11/9/2015 11:48	0.1	0.1
138	11/9/2015 11:49	0.1	0.1
139	11/9/2015 11:50	0.1	0.1
140	11/9/2015 11:51	0.1	0.1
141	11/9/2015 11:52	0.1	0.1
142	11/9/2015 11:53	0.1	0.1

Upwind PM-10 Data Summary		
Maximum	0.044	mg/m^3
Minimum	0.021	mg/m^3
Average	0.029	mg/m^3
Maximum 15-Minute Average	0.035	mg/m^3

Downwind PM-10 Data Summary		
Maximum	0.047	mg/m^3
Minimum	0.019	mg/m^3
Average	0.026	mg/m^3
Maximum 15-Minute Average	0.030	mg/m^3

Monday, November 9, 2015
HRPC - IRM - AOC-1
Upwind DustTrak

Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
1	11/9/2015 9:32		
2	11/9/2015 9:33		
3	11/9/2015 9:34		
4	11/9/2015 9:35		
5	11/9/2015 9:36		
6	11/9/2015 9:37		
7	11/9/2015 9:38		
8	11/9/2015 9:39		
9	11/9/2015 9:40		
10	11/9/2015 9:41		
11	11/9/2015 9:42		
12	11/9/2015 9:43	0.030	
13	11/9/2015 9:44	0.030	
14	11/9/2015 9:45	0.031	
15	11/9/2015 9:46	0.031	0.031
16	11/9/2015 9:47	0.030	0.030
17	11/9/2015 9:48	0.029	0.030
18	11/9/2015 9:49	0.029	0.030
19	11/9/2015 9:50	0.028	0.030
20	11/9/2015 9:51	0.028	0.030
21	11/9/2015 9:52	0.028	0.029
22	11/9/2015 9:53	0.028	0.029
23	11/9/2015 9:54	0.029	0.029
24	11/9/2015 9:55	0.029	0.029
25	11/9/2015 9:56	0.029	0.029
26	11/9/2015 9:57	0.028	0.029
27	11/9/2015 9:58	0.028	0.029
28	11/9/2015 9:59	0.029	0.029
29	11/9/2015 10:00	0.028	0.029
30	11/9/2015 10:01	0.028	0.029
31	11/9/2015 10:02	0.033	0.029
32	11/9/2015 10:03	0.029	0.029
33	11/9/2015 10:04	0.032	0.029
34	11/9/2015 10:05	0.031	0.029
35	11/9/2015 10:06	0.029	0.029
36	11/9/2015 10:07	0.030	0.029
37	11/9/2015 10:08	0.031	0.030
38	11/9/2015 10:09	0.030	0.030
39	11/9/2015 10:10	0.030	0.030
40	11/9/2015 10:11	0.032	0.030
41	11/9/2015 10:12	0.033	0.030

Monday, November 9, 2015
HRPC - IRM - AOC-1
Downwind DustTrak

Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
1	11/9/2015 9:32	0.023	
2	11/9/2015 9:33	0.026	
3	11/9/2015 9:34	0.024	
4	11/9/2015 9:35	0.047	
5	11/9/2015 9:36	0.029	
6	11/9/2015 9:37	0.032	
7	11/9/2015 9:38	0.032	
8	11/9/2015 9:39	0.030	
9	11/9/2015 9:40	0.029	
10	11/9/2015 9:41	0.028	
11	11/9/2015 9:42	0.029	
12	11/9/2015 9:43	0.027	
13	11/9/2015 9:44	0.025	
14	11/9/2015 9:45	0.026	
15	11/9/2015 9:46	0.026	0.029
16	11/9/2015 9:47	0.024	0.029
17	11/9/2015 9:48	0.024	0.029
18	11/9/2015 9:49	0.026	0.029
19	11/9/2015 9:50	0.026	0.028
20	11/9/2015 9:51	0.025	0.027
21	11/9/2015 9:52	0.025	0.027
22	11/9/2015 9:53	0.025	0.026
23	11/9/2015 9:54	0.025	0.026
24	11/9/2015 9:55	0.025	0.026
25	11/9/2015 9:56	0.026	0.026
26	11/9/2015 9:57	0.024	0.025
27	11/9/2015 9:58	0.024	0.025
28	11/9/2015 9:59	0.025	0.025
29	11/9/2015 10:00	0.025	0.025
30	11/9/2015 10:01	0.025	0.025
31	11/9/2015 10:02	0.025	0.025
32	11/9/2015 10:03	0.026	0.025
33	11/9/2015 10:04	0.025	0.025
34	11/9/2015 10:05	0.025	0.025
35	11/9/2015 10:06	0.025	0.025
36	11/9/2015 10:07	0.028	0.025
37	11/9/2015 10:08	0.031	0.026
38	11/9/2015 10:09	0.032	0.026
39	11/9/2015 10:10	0.031	0.026
40	11/9/2015 10:11	0.032	0.027
41	11/9/2015 10:12	0.031	0.027

Monday, November 9, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
42	11/9/2015 10:13	0.033	0.031
43	11/9/2015 10:14	0.033	0.031
44	11/9/2015 10:15	0.036	0.031
45	11/9/2015 10:16	0.037	0.032
46	11/9/2015 10:17	0.035	0.032
47	11/9/2015 10:18	0.035	0.032
48	11/9/2015 10:19	0.036	0.033
49	11/9/2015 10:20	0.034	0.033
50	11/9/2015 10:21	0.033	0.033
51	11/9/2015 10:22	0.032	0.033
52	11/9/2015 10:23	0.033	0.033
53	11/9/2015 10:24	0.033	0.034
54	11/9/2015 10:25	0.033	0.034
55	11/9/2015 10:26	0.034	0.034
56	11/9/2015 10:27	0.034	0.034
57	11/9/2015 10:28	0.035	0.034
58	11/9/2015 10:29	0.035	0.034
59	11/9/2015 10:30	0.034	0.034
60	11/9/2015 10:31	0.034	0.034
61	11/9/2015 10:32	0.035	0.034
62	11/9/2015 10:33	0.034	0.034
63	11/9/2015 10:34	0.035	0.034
64	11/9/2015 10:35	0.034	0.034
65	11/9/2015 10:36	0.034	0.034
66	11/9/2015 10:37	0.033	0.034
67	11/9/2015 10:38	0.032	0.034
68	11/9/2015 10:39	0.034	0.034
69	11/9/2015 10:40	0.036	0.034
70	11/9/2015 10:41	0.035	0.034
71	11/9/2015 10:42	0.038	0.035
72	11/9/2015 10:43	0.034	0.034
73	11/9/2015 10:44	0.034	0.034
74	11/9/2015 10:45	0.034	0.034
75	11/9/2015 10:46	0.035	0.034
76	11/9/2015 10:47	0.033	0.034
77	11/9/2015 10:48	0.032	0.034
78	11/9/2015 10:49	0.033	0.034
79	11/9/2015 10:50	0.034	0.034
80	11/9/2015 10:51	0.038	0.034
81	11/9/2015 10:52	0.044	0.035
82	11/9/2015 10:53	0.036	0.035
83	11/9/2015 10:54	0.034	0.035
84	11/9/2015 10:55	0.032	0.035
85	11/9/2015 10:56	0.032	0.035
86	11/9/2015 10:57	0.032	0.034
87	11/9/2015 10:58	0.032	0.034
88	11/9/2015 10:59	0.031	0.034
89	11/9/2015 11:00	0.031	0.034
90	11/9/2015 11:01	0.028	0.033
91	11/9/2015 11:02	0.028	0.033

Monday, November 9, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
42	11/9/2015 10:13	0.031	0.028
43	11/9/2015 10:14	0.030	0.028
44	11/9/2015 10:15	0.028	0.028
45	11/9/2015 10:16	0.028	0.029
46	11/9/2015 10:17	0.031	0.029
47	11/9/2015 10:18	0.032	0.029
48	11/9/2015 10:19	0.029	0.030
49	11/9/2015 10:20	0.028	0.030
50	11/9/2015 10:21	0.028	0.030
51	11/9/2015 10:22	0.028	0.030
52	11/9/2015 10:23	0.028	0.030
53	11/9/2015 10:24	0.028	0.030
54	11/9/2015 10:25	0.028	0.029
55	11/9/2015 10:26	0.029	0.029
56	11/9/2015 10:27	0.029	0.029
57	11/9/2015 10:28	0.033	0.029
58	11/9/2015 10:29	0.030	0.029
59	11/9/2015 10:30	0.030	0.029
60	11/9/2015 10:31	0.028	0.029
61	11/9/2015 10:32	0.028	0.029
62	11/9/2015 10:33	0.028	0.029
63	11/9/2015 10:34	0.028	0.029
64	11/9/2015 10:35	0.028	0.029
65	11/9/2015 10:36	0.027	0.029
66	11/9/2015 10:37	0.027	0.029
67	11/9/2015 10:38	0.028	0.029
68	11/9/2015 10:39	0.027	0.029
69	11/9/2015 10:40	0.028	0.029
70	11/9/2015 10:41	0.031	0.029
71	11/9/2015 10:42	0.029	0.029
72	11/9/2015 10:43	0.029	0.028
73	11/9/2015 10:44	0.028	0.028
74	11/9/2015 10:45	0.028	0.028
75	11/9/2015 10:46	0.027	0.028
76	11/9/2015 10:47	0.027	0.028
77	11/9/2015 10:48	0.028	0.028
78	11/9/2015 10:49	0.030	0.028
79	11/9/2015 10:50	0.028	0.028
80	11/9/2015 10:51	0.027	0.028
81	11/9/2015 10:52	0.028	0.028
82	11/9/2015 10:53	0.027	0.028
83	11/9/2015 10:54	0.028	0.028
84	11/9/2015 10:55	0.027	0.028
85	11/9/2015 10:56	0.027	0.028
86	11/9/2015 10:57	0.026	0.028
87	11/9/2015 10:58	0.024	0.027
88	11/9/2015 10:59	0.023	0.027
89	11/9/2015 11:00	0.023	0.027
90	11/9/2015 11:01	0.022	0.026
91	11/9/2015 11:02	0.022	0.026

Monday, November 9, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
92	11/9/2015 11:03	0.025	0.033
93	11/9/2015 11:04	0.026	0.032
94	11/9/2015 11:05	0.024	0.032
95	11/9/2015 11:06	0.023	0.031
96	11/9/2015 11:07	0.023	0.029
97	11/9/2015 11:08	0.021	0.028
98	11/9/2015 11:09	0.023	0.027
99	11/9/2015 11:10	0.023	0.027
100	11/9/2015 11:11	0.024	0.026
101	11/9/2015 11:12	0.022	0.026
102	11/9/2015 11:13	0.022	0.025
103	11/9/2015 11:14	0.025	0.025
104	11/9/2015 11:15	0.026	0.024
105	11/9/2015 11:16	0.026	0.024
106	11/9/2015 11:17	0.026	0.024
107	11/9/2015 11:18	0.026	0.024
108	11/9/2015 11:19	0.026	0.024
109	11/9/2015 11:20	0.026	0.024
110	11/9/2015 11:21	0.026	0.024
111	11/9/2015 11:22	0.026	0.025
112	11/9/2015 11:23	0.025	0.025
113	11/9/2015 11:24	0.022	0.025
114	11/9/2015 11:25	0.022	0.025
115	11/9/2015 11:26	0.022	0.025
116	11/9/2015 11:27	0.022	0.025
117	11/9/2015 11:28	0.023	0.025
118	11/9/2015 11:29	0.023	0.024
119	11/9/2015 11:30	0.023	0.024
120	11/9/2015 11:31	0.024	0.024
121	11/9/2015 11:32	0.023	0.024
122	11/9/2015 11:33	0.023	0.024
123	11/9/2015 11:34	0.024	0.024
124	11/9/2015 11:35	0.027	0.024
125	11/9/2015 11:36	0.028	0.024
126	11/9/2015 11:37	0.024	0.024
127	11/9/2015 11:38	0.023	0.024
128	11/9/2015 11:39	0.024	0.024
129	11/9/2015 11:40	0.023	0.024
130	11/9/2015 11:41	0.023	0.024
131	11/9/2015 11:42	0.023	0.024
132	11/9/2015 11:43	0.024	0.024
133	11/9/2015 11:44	0.024	0.024
134	11/9/2015 11:45	0.023	0.024
135	11/9/2015 11:46	0.024	0.024
136	11/9/2015 11:47	0.031	0.025
137	11/9/2015 11:48	0.031	0.025
138	11/9/2015 11:49	0.029	0.025
139	11/9/2015 11:50	0.027	0.025
140	11/9/2015 11:51	0.027	0.025
141	11/9/2015 11:52	0.027	0.026

Monday, November 9, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
92	11/9/2015 11:03	0.024	0.026
93	11/9/2015 11:04	0.024	0.025
94	11/9/2015 11:05	0.024	0.025
95	11/9/2015 11:06	0.024	0.025
96	11/9/2015 11:07	0.024	0.025
97	11/9/2015 11:08	0.022	0.024
98	11/9/2015 11:09	0.022	0.024
99	11/9/2015 11:10	0.022	0.024
100	11/9/2015 11:11	0.023	0.023
101	11/9/2015 11:12	0.024	0.023
102	11/9/2015 11:13	0.024	0.023
103	11/9/2015 11:14	0.024	0.023
104	11/9/2015 11:15	0.023	0.023
105	11/9/2015 11:16	0.031	0.024
106	11/9/2015 11:17	0.022	0.024
107	11/9/2015 11:18	0.023	0.024
108	11/9/2015 11:19	0.023	0.024
109	11/9/2015 11:20	0.021	0.023
110	11/9/2015 11:21	0.019	0.023
111	11/9/2015 11:22	0.019	0.023
112	11/9/2015 11:23	0.019	0.023
113	11/9/2015 11:24	0.019	0.022
114	11/9/2015 11:25	0.019	0.022
115	11/9/2015 11:26	0.020	0.022
116	11/9/2015 11:27	0.020	0.022
117	11/9/2015 11:28	0.019	0.021
118	11/9/2015 11:29	0.020	0.021
119	11/9/2015 11:30	0.019	0.021
120	11/9/2015 11:31	0.020	0.020
121	11/9/2015 11:32	0.021	0.020
122	11/9/2015 11:33	0.022	0.020
123	11/9/2015 11:34	0.022	0.020
124	11/9/2015 11:35	0.022	0.020
125	11/9/2015 11:36	0.022	0.020
126	11/9/2015 11:37	0.022	0.020
127	11/9/2015 11:38	0.022	0.021
128	11/9/2015 11:39	0.022	0.021
129	11/9/2015 11:40	0.022	0.021
130	11/9/2015 11:41	0.023	0.021
131	11/9/2015 11:42	0.023	0.021
132	11/9/2015 11:43	0.023	0.022
133	11/9/2015 11:44	0.023	0.022
134	11/9/2015 11:45	0.023	0.022
135	11/9/2015 11:46	0.023	0.022
136	11/9/2015 11:47	0.023	0.022
137	11/9/2015 11:48	0.023	0.023
138	11/9/2015 11:49	0.023	0.023
139	11/9/2015 11:50	0.022	0.023
140	11/9/2015 11:51	0.022	0.023
141	11/9/2015 11:52	0.022	0.023

Upwind VOC Data Summary		
Maximum	0.3	ppm
Minimum	0.0	ppm
Average	0.2	ppm
Maximum 15-Minute Average	0.3	ppm

Downwind VOC Data Summary		
Maximum	0.0	ppm
Minimum	0.0	ppm
Average	0.0	ppm
Maximum 15-Minute Average	0.0	ppm

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
1	11/10/2015 8:25		
2	11/10/2015 8:26		
3	11/10/2015 8:27		
4	11/10/2015 8:28		
5	11/10/2015 8:29		
6	11/10/2015 8:30	0.0	
7	11/10/2015 8:31	0.0	
8	11/10/2015 8:32	0.0	
9	11/10/2015 8:33	0.0	
10	11/10/2015 8:34	0.0	
11	11/10/2015 8:35	0.0	
12	11/10/2015 8:36	0.1	
13	11/10/2015 8:37	0.1	
14	11/10/2015 8:38	0.1	
15	11/10/2015 8:39	0.1	0.0
16	11/10/2015 8:40	0.1	0.0
17	11/10/2015 8:41	0.1	0.0
18	11/10/2015 8:42	0.1	0.0
19	11/10/2015 8:43	0.1	0.0
20	11/10/2015 8:44	0.1	0.1
21	11/10/2015 8:45	0.1	0.1
22	11/10/2015 8:46	0.1	0.1
23	11/10/2015 8:47	0.1	0.1
24	11/10/2015 8:48	0.1	0.1
25	11/10/2015 8:49	0.1	0.1
26	11/10/2015 8:50	0.1	0.1
27	11/10/2015 8:51	0.1	0.1
28	11/10/2015 8:52	0.1	0.1
29	11/10/2015 8:53	0.1	0.1
30	11/10/2015 8:54	0.1	0.1
31	11/10/2015 8:55	0.1	0.1
32	11/10/2015 8:56	0.1	0.1
33	11/10/2015 8:57	0.1	0.1
34	11/10/2015 8:58	0.1	0.1
35	11/10/2015 8:59	0.1	0.1
36	11/10/2015 9:00	0.1	0.1
37	11/10/2015 9:01	0.1	0.1
38	11/10/2015 9:02	0.1	0.1
39	11/10/2015 9:03	0.1	0.1
40	11/10/2015 9:04	0.1	0.1
41	11/10/2015 9:05	0.1	0.1
42	11/10/2015 9:06	0.1	0.1

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
1	11/10/2015 8:25	0.0	
2	11/10/2015 8:26	0.0	
3	11/10/2015 8:27	0.0	
4	11/10/2015 8:28	0.0	
5	11/10/2015 8:29	0.0	
6	11/10/2015 8:30	0.0	
7	11/10/2015 8:31	0.0	
8	11/10/2015 8:32	0.0	
9	11/10/2015 8:33	0.0	
10	11/10/2015 8:34	0.0	
11	11/10/2015 8:35	0.0	
12	11/10/2015 8:36	0.0	
13	11/10/2015 8:37	0.0	
14	11/10/2015 8:38	0.0	
15	11/10/2015 8:39	0.0	0.0
16	11/10/2015 8:40	0.0	0.0
17	11/10/2015 8:41	0.0	0.0
18	11/10/2015 8:42	0.0	0.0
19	11/10/2015 8:43	0.0	0.0
20	11/10/2015 8:44	0.0	0.0
21	11/10/2015 8:45	0.0	0.0
22	11/10/2015 8:46	0.0	0.0
23	11/10/2015 8:47	0.0	0.0
24	11/10/2015 8:48	0.0	0.0
25	11/10/2015 8:49	0.0	0.0
26	11/10/2015 8:50	0.0	0.0
27	11/10/2015 8:51	0.0	0.0
28	11/10/2015 8:52	0.0	0.0
29	11/10/2015 8:53	0.0	0.0
30	11/10/2015 8:54	0.0	0.0
31	11/10/2015 8:55	0.0	0.0
32	11/10/2015 8:56	0.0	0.0
33	11/10/2015 8:57	0.0	0.0
34	11/10/2015 8:58	0.0	0.0
35	11/10/2015 8:59	0.0	0.0
36	11/10/2015 9:00	0.0	0.0
37	11/10/2015 9:01	0.0	0.0
38	11/10/2015 9:02	0.0	0.0
39	11/10/2015 9:03	0.0	0.0
40	11/10/2015 9:04	0.0	0.0
41	11/10/2015 9:05	0.0	0.0
42	11/10/2015 9:06	0.0	0.0

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
43	11/10/2015 9:07	0.2	0.1
44	11/10/2015 9:08	0.2	0.1
45	11/10/2015 9:09	0.2	0.1
46	11/10/2015 9:10	0.2	0.1
47	11/10/2015 9:11	0.2	0.1
48	11/10/2015 9:12	0.2	0.1
49	11/10/2015 9:13	0.2	0.1
50	11/10/2015 9:14	0.2	0.1
51	11/10/2015 9:15	0.2	0.2
52	11/10/2015 9:16	0.2	0.2
53	11/10/2015 9:17	0.2	0.2
54	11/10/2015 9:18	0.2	0.2
55	11/10/2015 9:19	0.2	0.2
56	11/10/2015 9:20	0.2	0.2
57	11/10/2015 9:21	0.2	0.2
58	11/10/2015 9:22	0.2	0.2
59	11/10/2015 9:23	0.2	0.2
60	11/10/2015 9:24	0.2	0.2
61	11/10/2015 9:25	0.2	0.2
62	11/10/2015 9:26	0.2	0.2
63	11/10/2015 9:27	0.2	0.2
64	11/10/2015 9:28	0.2	0.2
65	11/10/2015 9:29	0.2	0.2
66	11/10/2015 9:30	0.2	0.2
67	11/10/2015 9:31	0.2	0.2
68	11/10/2015 9:32	0.2	0.2
69	11/10/2015 9:33	0.2	0.2
70	11/10/2015 9:34	0.2	0.2
71	11/10/2015 9:35	0.2	0.2
72	11/10/2015 9:36	0.2	0.2
73	11/10/2015 9:37	0.2	0.2
74	11/10/2015 9:38	0.2	0.2
75	11/10/2015 9:39	0.2	0.2
76	11/10/2015 9:40	0.2	0.2
77	11/10/2015 9:41	0.2	0.2
78	11/10/2015 9:42	0.2	0.2
79	11/10/2015 9:43	0.2	0.2
80	11/10/2015 9:44	0.2	0.2
81	11/10/2015 9:45	0.2	0.2
82	11/10/2015 9:46	0.2	0.2
83	11/10/2015 9:47	0.2	0.2
84	11/10/2015 9:48	0.2	0.2
85	11/10/2015 9:49	0.2	0.2
86	11/10/2015 9:50	0.2	0.2
87	11/10/2015 9:51	0.2	0.2
88	11/10/2015 9:52	0.2	0.2
89	11/10/2015 9:53	0.2	0.2
90	11/10/2015 9:54	0.2	0.2
91	11/10/2015 9:55	0.2	0.2
92	11/10/2015 9:56	0.2	0.2

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
43	11/10/2015 9:07	0.0	0.0
44	11/10/2015 9:08	0.0	0.0
45	11/10/2015 9:09	0.0	0.0
46	11/10/2015 9:10	0.0	0.0
47	11/10/2015 9:11	0.0	0.0
48	11/10/2015 9:12	0.0	0.0
49	11/10/2015 9:13	0.0	0.0
50	11/10/2015 9:14	0.0	0.0
51	11/10/2015 9:15	0.0	0.0
52	11/10/2015 9:16	0.0	0.0
53	11/10/2015 9:17	0.0	0.0
54	11/10/2015 9:18	0.0	0.0
55	11/10/2015 9:19	0.0	0.0
56	11/10/2015 9:20	0.0	0.0
57	11/10/2015 9:21	0.0	0.0
58	11/10/2015 9:22	0.0	0.0
59	11/10/2015 9:23	0.0	0.0
60	11/10/2015 9:24	0.0	0.0
61	11/10/2015 9:25	0.0	0.0
62	11/10/2015 9:26	0.0	0.0
63	11/10/2015 9:27	0.0	0.0
64	11/10/2015 9:28	0.0	0.0
65	11/10/2015 9:29	0.0	0.0
66	11/10/2015 9:30	0.0	0.0
67	11/10/2015 9:31	0.0	0.0
68	11/10/2015 9:32	0.0	0.0
69	11/10/2015 9:33	0.0	0.0
70	11/10/2015 9:34	0.0	0.0
71	11/10/2015 9:35	0.0	0.0
72	11/10/2015 9:36	0.0	0.0
73	11/10/2015 9:37	0.0	0.0
74	11/10/2015 9:38	0.0	0.0
75	11/10/2015 9:39	0.0	0.0
76	11/10/2015 9:40	0.0	0.0
77	11/10/2015 9:41	0.0	0.0
78	11/10/2015 9:42	0.0	0.0
79	11/10/2015 9:43	0.0	0.0
80	11/10/2015 9:44	0.0	0.0
81	11/10/2015 9:45	0.0	0.0
82	11/10/2015 9:46	0.0	0.0
83	11/10/2015 9:47	0.0	0.0
84	11/10/2015 9:48	0.0	0.0
85	11/10/2015 9:49	0.0	0.0
86	11/10/2015 9:50	0.0	0.0
87	11/10/2015 9:51	0.0	0.0
88	11/10/2015 9:52	0.0	0.0
89	11/10/2015 9:53	0.0	0.0
90	11/10/2015 9:54	0.0	0.0
91	11/10/2015 9:55	0.0	0.0
92	11/10/2015 9:56	0.0	0.0

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
93	11/10/2015 9:57	0.2	0.2
94	11/10/2015 9:58	0.2	0.2
95	11/10/2015 9:59	0.2	0.2
96	11/10/2015 10:00	0.2	0.2
97	11/10/2015 10:01	0.2	0.2
98	11/10/2015 10:02	0.2	0.2
99	11/10/2015 10:03	0.2	0.2
100	11/10/2015 10:04	0.2	0.2
101	11/10/2015 10:05	0.2	0.2
102	11/10/2015 10:06	0.2	0.2
103	11/10/2015 10:07	0.2	0.2
104	11/10/2015 10:08	0.2	0.2
105	11/10/2015 10:09	0.2	0.2
106	11/10/2015 10:10	0.2	0.2
107	11/10/2015 10:11	0.2	0.2
108	11/10/2015 10:12	0.2	0.2
109	11/10/2015 10:13	0.2	0.2
110	11/10/2015 10:14	0.2	0.2
111	11/10/2015 10:15	0.2	0.2
112	11/10/2015 10:16	0.2	0.2
113	11/10/2015 10:17	0.2	0.2
114	11/10/2015 10:18	0.2	0.2
115	11/10/2015 10:19	0.2	0.2
116	11/10/2015 10:20	0.2	0.2
117	11/10/2015 10:21	0.2	0.2
118	11/10/2015 10:22	0.2	0.2
119	11/10/2015 10:23	0.2	0.2
120	11/10/2015 10:24	0.2	0.2
121	11/10/2015 10:25	0.2	0.2
122	11/10/2015 10:26	0.2	0.2
123	11/10/2015 10:27	0.2	0.2
124	11/10/2015 10:28	0.2	0.2
125	11/10/2015 10:29	0.2	0.2
126	11/10/2015 10:30	0.2	0.2
127	11/10/2015 10:31	0.2	0.2
128	11/10/2015 10:32	0.2	0.2
129	11/10/2015 10:33	0.2	0.2
130	11/10/2015 10:34	0.2	0.2
131	11/10/2015 10:35	0.2	0.2
132	11/10/2015 10:36	0.2	0.2
133	11/10/2015 10:37	0.2	0.2
134	11/10/2015 10:38	0.2	0.2
135	11/10/2015 10:39	0.2	0.2
136	11/10/2015 10:40	0.2	0.2
137	11/10/2015 10:41	0.2	0.2
138	11/10/2015 10:42	0.2	0.2
139	11/10/2015 10:43	0.2	0.2
140	11/10/2015 10:44	0.2	0.2
141	11/10/2015 10:45	0.2	0.2
142	11/10/2015 10:46	0.2	0.2

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
93	11/10/2015 9:57	0.0	0.0
94	11/10/2015 9:58	0.0	0.0
95	11/10/2015 9:59	0.0	0.0
96	11/10/2015 10:00	0.0	0.0
97	11/10/2015 10:01	0.0	0.0
98	11/10/2015 10:02	0.0	0.0
99	11/10/2015 10:03	0.0	0.0
100	11/10/2015 10:04	0.0	0.0
101	11/10/2015 10:05	0.0	0.0
102	11/10/2015 10:06	0.0	0.0
103	11/10/2015 10:07	0.0	0.0
104	11/10/2015 10:08	0.0	0.0
105	11/10/2015 10:09	0.0	0.0
106	11/10/2015 10:10	0.0	0.0
107	11/10/2015 10:11	0.0	0.0
108	11/10/2015 10:12	0.0	0.0
109	11/10/2015 10:13	0.0	0.0
110	11/10/2015 10:14	0.0	0.0
111	11/10/2015 10:15	0.0	0.0
112	11/10/2015 10:16	0.0	0.0
113	11/10/2015 10:17	0.0	0.0
114	11/10/2015 10:18	0.0	0.0
115	11/10/2015 10:19	0.0	0.0
116	11/10/2015 10:20	0.0	0.0
117	11/10/2015 10:21	0.0	0.0
118	11/10/2015 10:22	0.0	0.0
119	11/10/2015 10:23	0.0	0.0
120	11/10/2015 10:24	0.0	0.0
121	11/10/2015 10:25	0.0	0.0
122	11/10/2015 10:26	0.0	0.0
123	11/10/2015 10:27	0.0	0.0
124	11/10/2015 10:28	0.0	0.0
125	11/10/2015 10:29	0.0	0.0
126	11/10/2015 10:30	0.0	0.0
127	11/10/2015 10:31	0.0	0.0
128	11/10/2015 10:32	0.0	0.0
129	11/10/2015 10:33	0.0	0.0
130	11/10/2015 10:34	0.0	0.0
131	11/10/2015 10:35	0.0	0.0
132	11/10/2015 10:36	0.0	0.0
133	11/10/2015 10:37	0.0	0.0
134	11/10/2015 10:38	0.0	0.0
135	11/10/2015 10:39	0.0	0.0
136	11/10/2015 10:40	0.0	0.0
137	11/10/2015 10:41	0.0	0.0
138	11/10/2015 10:42	0.0	0.0
139	11/10/2015 10:43	0.0	0.0
140	11/10/2015 10:44	0.0	0.0
141	11/10/2015 10:45	0.0	0.0
142	11/10/2015 10:46	0.0	0.0

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
143	11/10/2015 10:47	0.2	0.2
144	11/10/2015 10:48	0.2	0.2
145	11/10/2015 10:49	0.2	0.2
146	11/10/2015 10:50	0.2	0.2
147	11/10/2015 10:51	0.2	0.2
148	11/10/2015 10:52	0.2	0.2
149	11/10/2015 10:53	0.2	0.2
150	11/10/2015 10:54	0.2	0.2
151	11/10/2015 10:55	0.2	0.2
152	11/10/2015 10:56	0.2	0.2
153	11/10/2015 10:57	0.2	0.2
154	11/10/2015 10:58	0.2	0.2
155	11/10/2015 10:59	0.2	0.2
156	11/10/2015 11:00	0.2	0.2
157	11/10/2015 11:01	0.2	0.2
158	11/10/2015 11:02	0.2	0.2
159	11/10/2015 11:03	0.2	0.2
160	11/10/2015 11:04	0.2	0.2
161	11/10/2015 11:05	0.2	0.2
162	11/10/2015 11:06	0.2	0.2
163	11/10/2015 11:07	0.2	0.2
164	11/10/2015 11:08	0.2	0.2
165	11/10/2015 11:09	0.2	0.2
166	11/10/2015 11:10	0.2	0.2
167	11/10/2015 11:11	0.2	0.2
168	11/10/2015 11:12	0.2	0.2
169	11/10/2015 11:13	0.2	0.2
170	11/10/2015 11:14	0.2	0.2
171	11/10/2015 11:15	0.2	0.2
172	11/10/2015 11:16	0.2	0.2
173	11/10/2015 11:17	0.2	0.2
174	11/10/2015 11:18	0.2	0.2
175	11/10/2015 11:19	0.2	0.2
176	11/10/2015 11:20	0.2	0.2
177	11/10/2015 11:21	0.2	0.2
178	11/10/2015 11:22	0.2	0.2
179	11/10/2015 11:23	0.2	0.2
180	11/10/2015 11:24	0.2	0.2
181	11/10/2015 11:25	0.2	0.2
182	11/10/2015 11:26	0.2	0.2
183	11/10/2015 11:27	0.2	0.2
184	11/10/2015 11:28	0.2	0.2
185	11/10/2015 11:29	0.2	0.2
186	11/10/2015 11:30	0.2	0.2
187	11/10/2015 11:31	0.2	0.2
188	11/10/2015 11:32	0.2	0.2
189	11/10/2015 11:33	0.2	0.2
190	11/10/2015 11:34	0.2	0.2
191	11/10/2015 11:35	0.2	0.2
192	11/10/2015 11:36	0.3	0.2

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
143	11/10/2015 10:47	0.0	0.0
144	11/10/2015 10:48	0.0	0.0
145	11/10/2015 10:49	0.0	0.0
146	11/10/2015 10:50	0.0	0.0
147	11/10/2015 10:51	0.0	0.0
148	11/10/2015 10:52	0.0	0.0
149	11/10/2015 10:53	0.0	0.0
150	11/10/2015 10:54	0.0	0.0
151	11/10/2015 10:55	0.0	0.0
152	11/10/2015 10:56	0.0	0.0
153	11/10/2015 10:57	0.0	0.0
154	11/10/2015 10:58	0.0	0.0
155	11/10/2015 10:59	0.0	0.0
156	11/10/2015 11:00	0.0	0.0
157	11/10/2015 11:01	0.0	0.0
158	11/10/2015 11:02	0.0	0.0
159	11/10/2015 11:03	0.0	0.0
160	11/10/2015 11:04	0.0	0.0
161	11/10/2015 11:05	0.0	0.0
162	11/10/2015 11:06	0.0	0.0
163	11/10/2015 11:07	0.0	0.0
164	11/10/2015 11:08	0.0	0.0
165	11/10/2015 11:09	0.0	0.0
166	11/10/2015 11:10	0.0	0.0
167	11/10/2015 11:11	0.0	0.0
168	11/10/2015 11:12	0.0	0.0
169	11/10/2015 11:13	0.0	0.0
170	11/10/2015 11:14	0.0	0.0
171	11/10/2015 11:15	0.0	0.0
172	11/10/2015 11:16	0.0	0.0
173	11/10/2015 11:17	0.0	0.0
174	11/10/2015 11:18	0.0	0.0
175	11/10/2015 11:19	0.0	0.0
176	11/10/2015 11:20	0.0	0.0
177	11/10/2015 11:21	0.0	0.0
178	11/10/2015 11:22	0.0	0.0
179	11/10/2015 11:23	0.0	0.0
180	11/10/2015 11:24	0.0	0.0
181	11/10/2015 11:25	0.0	0.0
182	11/10/2015 11:26	0.0	0.0
183	11/10/2015 11:27	0.0	0.0
184	11/10/2015 11:28	0.0	0.0
185	11/10/2015 11:29	0.0	0.0
186	11/10/2015 11:30	0.0	0.0
187	11/10/2015 11:31	0.0	0.0
188	11/10/2015 11:32	0.0	0.0
189	11/10/2015 11:33	0.0	0.0
190	11/10/2015 11:34	0.0	0.0
191	11/10/2015 11:35	0.0	0.0
192	11/10/2015 11:36	0.0	0.0

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
193	11/10/2015 11:37	0.3	0.2
194	11/10/2015 11:38	0.2	0.2
195	11/10/2015 11:39	0.3	0.2
196	11/10/2015 11:40		0.2
197	11/10/2015 11:41		0.2
198	11/10/2015 11:42		0.2
199	11/10/2015 11:43		0.2
200	11/10/2015 11:44		0.2
201	11/10/2015 11:45		0.2
202	11/10/2015 11:46		0.2
203	11/10/2015 11:47		0.2
204	11/10/2015 11:48		0.2
205	11/10/2015 11:49		0.2
206	11/10/2015 11:50		0.3
207	11/10/2015 11:51		0.3
208	11/10/2015 11:52		0.3
209	11/10/2015 11:53		0.3
210	11/10/2015 11:54		N/A
211	11/10/2015 11:55		N/A
212	11/10/2015 11:56		N/A
213	11/10/2015 11:57		N/A
214	11/10/2015 11:58		N/A
215	11/10/2015 11:59		N/A
216	11/10/2015 12:00		N/A
217	11/10/2015 12:01		N/A
218	11/10/2015 12:02		N/A
219	11/10/2015 12:03		N/A
220	11/10/2015 12:04		N/A
221	11/10/2015 12:05		N/A
222	11/10/2015 12:06		N/A
223	11/10/2015 12:07		N/A
224	11/10/2015 12:08		N/A
225	11/10/2015 12:09		N/A
226	11/10/2015 12:10		N/A
227	11/10/2015 12:11		N/A
228	11/10/2015 12:12		N/A
229	11/10/2015 12:13		N/A
230	11/10/2015 12:14		N/A
231	11/10/2015 12:15		N/A
232	11/10/2015 12:16		N/A
233	11/10/2015 12:17		N/A
234	11/10/2015 12:18		N/A
235	11/10/2015 12:19		N/A
236	11/10/2015 12:20		N/A
237	11/10/2015 12:21		N/A
238	11/10/2015 12:22		N/A
239	11/10/2015 12:23		N/A
240	11/10/2015 12:24		N/A
241	11/10/2015 12:25		N/A
242	11/10/2015 12:26		N/A

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
193	11/10/2015 11:37	0.0	0.0
194	11/10/2015 11:38	0.0	0.0
195	11/10/2015 11:39	0.0	0.0
196	11/10/2015 11:40	0.0	0.0
197	11/10/2015 11:41	0.0	0.0
198	11/10/2015 11:42	0.0	0.0
199	11/10/2015 11:43	CAMP unit shut down	
200	11/10/2015 11:44	CAMP unit shut down	
201	11/10/2015 11:45	CAMP unit shut down	
202	11/10/2015 11:46	CAMP unit shut down	
203	11/10/2015 11:47	CAMP unit shut down	
204	11/10/2015 11:48	CAMP unit shut down	
205	11/10/2015 11:49	CAMP unit shut down	
206	11/10/2015 11:50	CAMP unit shut down	
207	11/10/2015 11:51	CAMP unit shut down	
208	11/10/2015 11:52	CAMP unit shut down	
209	11/10/2015 11:53	CAMP unit shut down	
210	11/10/2015 11:54	CAMP unit shut down	
211	11/10/2015 11:55	CAMP unit shut down	
212	11/10/2015 11:56	CAMP unit shut down	
213	11/10/2015 11:57	CAMP unit shut down	
214	11/10/2015 11:58	CAMP unit shut down	
215	11/10/2015 11:59	CAMP unit shut down	
216	11/10/2015 12:00	CAMP unit shut down	
217	11/10/2015 12:01	CAMP unit shut down	
218	11/10/2015 12:02	CAMP unit shut down	
219	11/10/2015 12:03	CAMP unit shut down	
220	11/10/2015 12:04	CAMP unit shut down	
221	11/10/2015 12:05	CAMP unit shut down	
222	11/10/2015 12:06	CAMP unit shut down	
223	11/10/2015 12:07	CAMP unit shut down	
224	11/10/2015 12:08	CAMP unit shut down	
225	11/10/2015 12:09	CAMP unit shut down	
226	11/10/2015 12:10	CAMP unit shut down	
227	11/10/2015 12:11	CAMP unit shut down	
228	11/10/2015 12:12	CAMP unit shut down	
229	11/10/2015 12:13	CAMP unit shut down	
230	11/10/2015 12:14	CAMP unit shut down	
231	11/10/2015 12:15	CAMP unit shut down	
232	11/10/2015 12:16	CAMP unit shut down	
233	11/10/2015 12:17	CAMP unit shut down	
234	11/10/2015 12:18	CAMP unit shut down	
235	11/10/2015 12:19	CAMP unit shut down	
236	11/10/2015 12:20	CAMP unit shut down	
237	11/10/2015 12:21	CAMP unit shut down	
238	11/10/2015 12:22	CAMP unit shut down	
239	11/10/2015 12:23	CAMP unit shut down	
240	11/10/2015 12:24	CAMP unit shut down	
241	11/10/2015 12:25	CAMP unit shut down	
242	11/10/2015 12:26	CAMP unit shut down	

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
243	11/10/2015 12:27		N/A
244	11/10/2015 12:28		N/A
245	11/10/2015 12:29		N/A
246	11/10/2015 12:30		N/A
247	11/10/2015 12:31		N/A
248	11/10/2015 12:32		N/A
249	11/10/2015 12:33		N/A
250	11/10/2015 12:34		N/A
251	11/10/2015 12:35		N/A
252	11/10/2015 12:36		N/A
253	11/10/2015 12:37		N/A
254	11/10/2015 12:38		N/A
255	11/10/2015 12:39		N/A
256	11/10/2015 12:40		N/A
257	11/10/2015 12:41		N/A
258	11/10/2015 12:42		N/A
259	11/10/2015 12:43		N/A
260	11/10/2015 12:44		N/A
261	11/10/2015 12:45		N/A
262	11/10/2015 12:46		N/A
263	11/10/2015 12:47		N/A
264	11/10/2015 12:48		N/A
265	11/10/2015 12:49		N/A
266	11/10/2015 12:50		N/A
267	11/10/2015 12:51		N/A
268	11/10/2015 12:52		N/A
269	11/10/2015 12:53		N/A
270	11/10/2015 12:54		N/A
271	11/10/2015 12:55		N/A
272	11/10/2015 12:56		N/A
273	11/10/2015 12:57		N/A
274	11/10/2015 12:58		N/A
275	11/10/2015 12:59		N/A
276	11/10/2015 13:00		N/A
277	11/10/2015 13:01		N/A
278	11/10/2015 13:02		N/A
279	11/10/2015 13:03		N/A
280	11/10/2015 13:04		N/A
281	11/10/2015 13:05		N/A
282	11/10/2015 13:06		N/A
283	11/10/2015 13:07		N/A
284	11/10/2015 13:08		N/A
285	11/10/2015 13:09		N/A
286	11/10/2015 13:10		N/A
287	11/10/2015 13:11		N/A
288	11/10/2015 13:12		N/A

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	**Date & Time**	**VOC (ppm)**	**15-Minute Average**
243	11/10/2015 12:27	CAMP unit shut down	
244	11/10/2015 12:28	CAMP unit shut down	
245	11/10/2015 12:29	CAMP unit shut down	
246	11/10/2015 12:30	CAMP unit shut down	
247	11/10/2015 12:31	CAMP unit shut down	
248	11/10/2015 12:32	CAMP unit shut down	
249	11/10/2015 12:33	CAMP unit shut down	
250	11/10/2015 12:34	CAMP unit shut down	
251	11/10/2015 12:35	CAMP unit shut down	
252	11/10/2015 12:36	CAMP unit shut down	
253	11/10/2015 12:37	CAMP unit shut down	
254	11/10/2015 12:38	CAMP unit shut down	
255	11/10/2015 12:39	CAMP unit shut down	
256	11/10/2015 12:40	0.0	0.0
257	11/10/2015 12:41	0.0	0.0
258	11/10/2015 12:42	0.0	0.0
259	11/10/2015 12:43	0.0	0.0
260	11/10/2015 12:44	0.0	0.0
261	11/10/2015 12:45	0.0	0.0
262	11/10/2015 12:46	0.0	0.0
263	11/10/2015 12:47	0.0	0.0
264	11/10/2015 12:48	0.0	0.0
265	11/10/2015 12:49	0.0	0.0
266	11/10/2015 12:50	0.0	0.0
267	11/10/2015 12:51	0.0	0.0
268	11/10/2015 12:52	0.0	0.0
269	11/10/2015 12:53	0.0	0.0
270	11/10/2015 12:54	0.0	0.0
271	11/10/2015 12:55	0.0	0.0
272	11/10/2015 12:56	0.0	0.0
273	11/10/2015 12:57	0.0	0.0
274	11/10/2015 12:58	0.0	0.0
275	11/10/2015 12:59	0.0	0.0
276	11/10/2015 13:00	0.0	0.0
277	11/10/2015 13:01	0.0	0.0
278	11/10/2015 13:02	0.0	0.0
279	11/10/2015 13:03	0.0	0.0
280	11/10/2015 13:04	0.0	0.0
281	11/10/2015 13:05	0.0	0.0
282	11/10/2015 13:06	0.0	0.0
283	11/10/2015 13:07	0.0	0.0
284	11/10/2015 13:08	0.0	0.0
285	11/10/2015 13:09	0.0	0.0
286	11/10/2015 13:10	0.0	0.0
287	11/10/2015 13:11	0.0	0.0
288	11/10/2015 13:12	0.0	0.0

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
289	11/10/2015 13:13		N/A
290	11/10/2015 13:14		N/A
291	11/10/2015 13:15		N/A
292	11/10/2015 13:16		N/A
293	11/10/2015 13:17		N/A
294	11/10/2015 13:18		N/A
295	11/10/2015 13:19		N/A
296	11/10/2015 13:20		N/A
297	11/10/2015 13:21		N/A
298	11/10/2015 13:22		N/A
299	11/10/2015 13:23		N/A
300	11/10/2015 13:24		N/A
301	11/10/2015 13:25		N/A
302	11/10/2015 13:26		N/A
303	11/10/2015 13:27		N/A
304	11/10/2015 13:28		N/A
305	11/10/2015 13:29		N/A
306	11/10/2015 13:30		N/A
307	11/10/2015 13:31		N/A
308	11/10/2015 13:32		N/A
309	11/10/2015 13:33		N/A
310	11/10/2015 13:34		N/A
311	11/10/2015 13:35		N/A
312	11/10/2015 13:36		N/A
313	11/10/2015 13:37		N/A
314	11/10/2015 13:38		N/A
315	11/10/2015 13:39		N/A
316	11/10/2015 13:40		N/A
317	11/10/2015 13:41		N/A
318	11/10/2015 13:42		N/A
319	11/10/2015 13:43		N/A
320	11/10/2015 13:44		N/A
321	11/10/2015 13:45		N/A
322	11/10/2015 13:46		N/A
323	11/10/2015 13:47		N/A
324	11/10/2015 13:48		N/A
325	11/10/2015 13:49		N/A
326	11/10/2015 13:50		N/A
327	11/10/2015 13:51		N/A
328	11/10/2015 13:52		N/A
329	11/10/2015 13:53		N/A
330	11/10/2015 13:54		N/A
331	11/10/2015 13:55		N/A
332	11/10/2015 13:56		N/A
333	11/10/2015 13:57		N/A
334	11/10/2015 13:58		N/A
335	11/10/2015 13:59		N/A
336	11/10/2015 14:00		N/A
337	11/10/2015 14:01		N/A
338	11/10/2015 14:02		N/A

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
289	11/10/2015 13:13	0.0	0.0
290	11/10/2015 13:14	0.0	0.0
291	11/10/2015 13:15	0.0	0.0
292	11/10/2015 13:16	0.0	0.0
293	11/10/2015 13:17	0.0	0.0
294	11/10/2015 13:18	0.0	0.0
295	11/10/2015 13:19	0.0	0.0
296	11/10/2015 13:20	0.0	0.0
297	11/10/2015 13:21	0.0	0.0
298	11/10/2015 13:22	0.0	0.0
299	11/10/2015 13:23	0.0	0.0
300	11/10/2015 13:24	0.0	0.0
301	11/10/2015 13:25	0.0	0.0
302	11/10/2015 13:26	0.0	0.0
303	11/10/2015 13:27	0.0	0.0
304	11/10/2015 13:28	0.0	0.0
305	11/10/2015 13:29	0.0	0.0
306	11/10/2015 13:30	0.0	0.0
307	11/10/2015 13:31	0.0	0.0
308	11/10/2015 13:32	0.0	0.0
309	11/10/2015 13:33	0.0	0.0
310	11/10/2015 13:34	0.0	0.0
311	11/10/2015 13:35	0.0	0.0
312	11/10/2015 13:36	0.0	0.0
313	11/10/2015 13:37	0.0	0.0
314	11/10/2015 13:38	0.0	0.0
315	11/10/2015 13:39	0.0	0.0
316	11/10/2015 13:40	0.0	0.0
317	11/10/2015 13:41	0.0	0.0
318	11/10/2015 13:42	0.0	0.0
319	11/10/2015 13:43	0.0	0.0
320	11/10/2015 13:44	0.0	0.0
321	11/10/2015 13:45	0.0	0.0
322	11/10/2015 13:46	0.0	0.0
323	11/10/2015 13:47	0.0	0.0
324	11/10/2015 13:48	0.0	0.0
325	11/10/2015 13:49	0.0	0.0
326	11/10/2015 13:50	0.0	0.0
327	11/10/2015 13:51	0.0	0.0
328	11/10/2015 13:52	0.0	0.0
329	11/10/2015 13:53	0.0	0.0
330	11/10/2015 13:54	0.0	0.0
331	11/10/2015 13:55	0.0	0.0
332	11/10/2015 13:56	0.0	0.0
333	11/10/2015 13:57	0.0	0.0
334	11/10/2015 13:58	0.0	0.0
335	11/10/2015 13:59	0.0	0.0
336	11/10/2015 14:00	0.0	0.0
337	11/10/2015 14:01	0.0	0.0
338	11/10/2015 14:02	0.0	0.0

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Upwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
339	11/10/2015 14:03		N/A
340	11/10/2015 14:04		N/A
341	11/10/2015 14:05		N/A
342	11/10/2015 14:06		N/A
343	11/10/2015 14:07		N/A
344	11/10/2015 14:08		N/A
345	11/10/2015 14:09		N/A
346	11/10/2015 14:10		N/A
347	11/10/2015 14:11		N/A
348	11/10/2015 14:12		N/A
349	11/10/2015 14:13		N/A
350	11/10/2015 14:14		N/A
351	11/10/2015 14:15		N/A
352	11/10/2015 14:16		N/A
353	11/10/2015 14:17		N/A
354	11/10/2015 14:18		N/A
355	11/10/2015 14:19		N/A
356	11/10/2015 14:20		N/A
357	11/10/2015 14:21		N/A
358	11/10/2015 14:22		N/A
359	11/10/2015 14:23		N/A
360	11/10/2015 14:24		N/A
361	11/10/2015 14:25		N/A
362	11/10/2015 14:26		N/A
363	11/10/2015 14:27		N/A
364	11/10/2015 14:28		N/A
365	11/10/2015 14:29		N/A
366	11/10/2015 14:30		N/A
367	11/10/2015 14:31		N/A
368	11/10/2015 14:32		N/A
369	11/10/2015 14:33		N/A
370	11/10/2015 14:34		N/A
371	11/10/2015 14:35		N/A
372	11/10/2015 14:36		N/A
373	11/10/2015 14:37		N/A
374	11/10/2015 14:38		N/A
375	11/10/2015 14:39		N/A
376	11/10/2015 14:40		N/A
377	11/10/2015 14:41		N/A
378	11/10/2015 14:42		N/A
379	11/10/2015 14:43		N/A
380	11/10/2015 14:44		N/A
381	11/10/2015 14:45		N/A
382	11/10/2015 14:46		N/A
383	11/10/2015 14:47		N/A
384	11/10/2015 14:48		N/A
385	11/10/2015 14:49		N/A
386	11/10/2015 14:50		N/A
387	11/10/2015 14:51		N/A

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Downwind PID			
Record	Date & Time	VOC (ppm)	15-Minute Average
339	11/10/2015 14:03	0.0	0.0
340	11/10/2015 14:04	0.0	0.0
341	11/10/2015 14:05	0.0	0.0
342	11/10/2015 14:06	0.0	0.0
343	11/10/2015 14:07	0.0	0.0
344	11/10/2015 14:08	0.0	0.0
345	11/10/2015 14:09	0.0	0.0
346	11/10/2015 14:10	0.0	0.0
347	11/10/2015 14:11	0.0	0.0
348	11/10/2015 14:12	0.0	0.0
349	11/10/2015 14:13	0.0	0.0
350	11/10/2015 14:14	0.0	0.0
351	11/10/2015 14:15	0.0	0.0
352	11/10/2015 14:16	0.0	0.0
353	11/10/2015 14:17	0.0	0.0
354	11/10/2015 14:18	0.0	0.0
355	11/10/2015 14:19	0.0	0.0
356	11/10/2015 14:20	0.0	0.0
357	11/10/2015 14:21	0.0	0.0
358	11/10/2015 14:22	0.0	0.0
359	11/10/2015 14:23	0.0	0.0
360	11/10/2015 14:24	0.0	0.0
361	11/10/2015 14:25	0.0	0.0
362	11/10/2015 14:26	0.0	0.0
363	11/10/2015 14:27	0.0	0.0
364	11/10/2015 14:28	0.0	0.0
365	11/10/2015 14:29	0.0	0.0
366	11/10/2015 14:30	0.0	0.0
367	11/10/2015 14:31	0.0	0.0
368	11/10/2015 14:32	0.0	0.0
369	11/10/2015 14:33	0.0	0.0
370	11/10/2015 14:34	0.0	0.0
371	11/10/2015 14:35	0.0	0.0
372	11/10/2015 14:36	0.0	0.0
373	11/10/2015 14:37	0.0	0.0
374	11/10/2015 14:38	0.0	0.0
375	11/10/2015 14:39	0.0	0.0
376	11/10/2015 14:40	0.0	0.0
377	11/10/2015 14:41	0.0	0.0
378	11/10/2015 14:42	0.0	0.0
379	11/10/2015 14:43	0.0	0.0
380	11/10/2015 14:44	0.0	0.0
381	11/10/2015 14:45	0.0	0.0
382	11/10/2015 14:46	0.0	0.0
383	11/10/2015 14:47	0.0	0.0
384	11/10/2015 14:48	0.0	0.0
385	11/10/2015 14:49	0.0	0.0
386	11/10/2015 14:50	0.0	0.0
387	11/10/2015 14:51	0.0	0.0

Upwind PM-10 Data Summary		
Maximum	0.069	mg/m^3
Minimum	0.018	mg/m^3
Average	0.022	mg/m^3
Maximum 15-Minute Average	0.032	mg/m^3

Downwind PM-10 Data Summary		
Maximum	0.090	mg/m^3
Minimum	0.013	mg/m^3
Average	0.019	mg/m^3
Maximum 15-Minute Average	0.033	mg/m^3

Tuesday, November 10, 2015
HRPC - IRM - AOC-1
Upwind DustTrak

Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
1	11/10/2015 8:25		
2	11/10/2015 8:26		
3	11/10/2015 8:27		
4	11/10/2015 8:28		
5	11/10/2015 8:29		
6	11/10/2015 8:30	0.069	
7	11/10/2015 8:31	0.028	
8	11/10/2015 8:32	0.028	
9	11/10/2015 8:33	0.029	
10	11/10/2015 8:34	0.029	
11	11/10/2015 8:35	0.028	
12	11/10/2015 8:36	0.028	
13	11/10/2015 8:37	0.028	
14	11/10/2015 8:38	0.028	
15	11/10/2015 8:39	0.028	0.032
16	11/10/2015 8:40	0.028	0.032
17	11/10/2015 8:41	0.028	0.032
18	11/10/2015 8:42	0.028	0.031
19	11/10/2015 8:43	0.028	0.031
20	11/10/2015 8:44	0.028	0.031
21	11/10/2015 8:45	0.028	0.028
22	11/10/2015 8:46	0.028	0.028
23	11/10/2015 8:47	0.028	0.028
24	11/10/2015 8:48	0.028	0.028
25	11/10/2015 8:49	0.028	0.028
26	11/10/2015 8:50	0.028	0.028
27	11/10/2015 8:51	0.028	0.028
28	11/10/2015 8:52	0.028	0.028
29	11/10/2015 8:53	0.028	0.028
30	11/10/2015 8:54	0.028	0.028
31	11/10/2015 8:55	0.028	0.028
32	11/10/2015 8:56	0.028	0.028
33	11/10/2015 8:57	0.028	0.028
34	11/10/2015 8:58	0.028	0.028
35	11/10/2015 8:59	0.028	0.028
36	11/10/2015 9:00	0.029	0.028
37	11/10/2015 9:01	0.028	0.028
38	11/10/2015 9:02	0.028	0.028
39	11/10/2015 9:03	0.028	0.028
40	11/10/2015 9:04	0.028	0.028
41	11/10/2015 9:05	0.028	0.028

Tuesday, November 10, 2015
HRPC - IRM - AOC-1
Downwind DustTrak

Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
1	11/10/2015 8:25	0.030	
2	11/10/2015 8:26	0.026	
3	11/10/2015 8:27	0.022	
4	11/10/2015 8:28	0.021	
5	11/10/2015 8:29	0.020	
6	11/10/2015 8:30	0.022	
7	11/10/2015 8:31	0.022	
8	11/10/2015 8:32	0.025	
9	11/10/2015 8:33	0.090	
10	11/10/2015 8:34	0.044	
11	11/10/2015 8:35	0.041	
12	11/10/2015 8:36	0.037	
13	11/10/2015 8:37	0.026	
14	11/10/2015 8:38	0.023	
15	11/10/2015 8:39	0.022	0.031
16	11/10/2015 8:40	0.021	0.031
17	11/10/2015 8:41	0.021	0.030
18	11/10/2015 8:42	0.036	0.031
19	11/10/2015 8:43	0.029	0.032
20	11/10/2015 8:44	0.027	0.032
21	11/10/2015 8:45	0.028	0.033
22	11/10/2015 8:46	0.021	0.033
23	11/10/2015 8:47	0.025	0.033
24	11/10/2015 8:48	0.021	0.028
25	11/10/2015 8:49	0.022	0.027
26	11/10/2015 8:50	0.024	0.026
27	11/10/2015 8:51	0.029	0.025
28	11/10/2015 8:52	0.027	0.025
29	11/10/2015 8:53	0.060	0.028
30	11/10/2015 8:54	0.048	0.029
31	11/10/2015 8:55	0.022	0.029
32	11/10/2015 8:56	0.021	0.029
33	11/10/2015 8:57	0.022	0.028
34	11/10/2015 8:58	0.023	0.028
35	11/10/2015 8:59	0.025	0.028
36	11/10/2015 9:00	0.021	0.027
37	11/10/2015 9:01	0.020	0.027
38	11/10/2015 9:02	0.020	0.027
39	11/10/2015 9:03	0.022	0.027
40	11/10/2015 9:04	0.020	0.027
41	11/10/2015 9:05	0.019	0.027

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
42	11/10/2015 9:06	0.028	0.028
43	11/10/2015 9:07	0.027	0.028
44	11/10/2015 9:08	0.027	0.028
45	11/10/2015 9:09	0.028	0.028
46	11/10/2015 9:10	0.027	0.028
47	11/10/2015 9:11	0.027	0.028
48	11/10/2015 9:12	0.027	0.028
49	11/10/2015 9:13	0.027	0.028
50	11/10/2015 9:14	0.026	0.028
51	11/10/2015 9:15	0.026	0.027
52	11/10/2015 9:16	0.027	0.027
53	11/10/2015 9:17	0.027	0.027
54	11/10/2015 9:18	0.028	0.027
55	11/10/2015 9:19	0.028	0.027
56	11/10/2015 9:20	0.027	0.027
57	11/10/2015 9:21	0.026	0.027
58	11/10/2015 9:22	0.026	0.027
59	11/10/2015 9:23	0.026	0.027
60	11/10/2015 9:24	0.026	0.027
61	11/10/2015 9:25	0.025	0.027
62	11/10/2015 9:26	0.025	0.026
63	11/10/2015 9:27	0.024	0.026
64	11/10/2015 9:28	0.024	0.026
65	11/10/2015 9:29	0.024	0.026
66	11/10/2015 9:30	0.023	0.026
67	11/10/2015 9:31	0.023	0.025
68	11/10/2015 9:32	0.023	0.025
69	11/10/2015 9:33	0.023	0.025
70	11/10/2015 9:34	0.023	0.025
71	11/10/2015 9:35	0.022	0.024
72	11/10/2015 9:36	0.022	0.024
73	11/10/2015 9:37	0.022	0.024
74	11/10/2015 9:38	0.022	0.023
75	11/10/2015 9:39	0.023	0.023
76	11/10/2015 9:40	0.023	0.023
77	11/10/2015 9:41	0.022	0.023
78	11/10/2015 9:42	0.022	0.023
79	11/10/2015 9:43	0.022	0.023
80	11/10/2015 9:44	0.022	0.022
81	11/10/2015 9:45	0.023	0.022
82	11/10/2015 9:46	0.022	0.022
83	11/10/2015 9:47	0.022	0.022
84	11/10/2015 9:48	0.022	0.022
85	11/10/2015 9:49	0.022	0.022
86	11/10/2015 9:50	0.022	0.022
87	11/10/2015 9:51	0.021	0.022
88	11/10/2015 9:52	0.022	0.022
89	11/10/2015 9:53	0.021	0.022
90	11/10/2015 9:54	0.021	0.022
91	11/10/2015 9:55	0.021	0.022

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
42	11/10/2015 9:06	0.023	0.026
43	11/10/2015 9:07	0.021	0.026
44	11/10/2015 9:08	0.022	0.023
45	11/10/2015 9:09	0.023	0.022
46	11/10/2015 9:10	0.031	0.022
47	11/10/2015 9:11	0.031	0.023
48	11/10/2015 9:12	0.029	0.023
49	11/10/2015 9:13	0.023	0.023
50	11/10/2015 9:14	0.021	0.023
51	11/10/2015 9:15	0.023	0.023
52	11/10/2015 9:16	0.024	0.023
53	11/10/2015 9:17	0.024	0.024
54	11/10/2015 9:18	0.021	0.024
55	11/10/2015 9:19	0.022	0.024
56	11/10/2015 9:20	0.020	0.024
57	11/10/2015 9:21	0.020	0.024
58	11/10/2015 9:22	0.019	0.024
59	11/10/2015 9:23	0.020	0.023
60	11/10/2015 9:24	0.020	0.023
61	11/10/2015 9:25	0.021	0.023
62	11/10/2015 9:26	0.018	0.022
63	11/10/2015 9:27	0.019	0.021
64	11/10/2015 9:28	0.021	0.021
65	11/10/2015 9:29	0.020	0.021
66	11/10/2015 9:30	0.022	0.021
67	11/10/2015 9:31	0.021	0.021
68	11/10/2015 9:32	0.018	0.020
69	11/10/2015 9:33	0.020	0.020
70	11/10/2015 9:34	0.028	0.020
71	11/10/2015 9:35	0.021	0.021
72	11/10/2015 9:36	0.020	0.021
73	11/10/2015 9:37	0.020	0.021
74	11/10/2015 9:38	0.018	0.020
75	11/10/2015 9:39	0.018	0.020
76	11/10/2015 9:40	0.017	0.020
77	11/10/2015 9:41	0.018	0.020
78	11/10/2015 9:42	0.017	0.020
79	11/10/2015 9:43	0.017	0.020
80	11/10/2015 9:44	0.017	0.019
81	11/10/2015 9:45	0.017	0.019
82	11/10/2015 9:46	0.017	0.019
83	11/10/2015 9:47	0.017	0.019
84	11/10/2015 9:48	0.017	0.019
85	11/10/2015 9:49	0.024	0.018
86	11/10/2015 9:50	0.034	0.019
87	11/10/2015 9:51	0.020	0.019
88	11/10/2015 9:52	0.017	0.019
89	11/10/2015 9:53	0.016	0.019
90	11/10/2015 9:54	0.016	0.019
91	11/10/2015 9:55	0.016	0.019

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
92	11/10/2015 9:56	0.021	0.022
93	11/10/2015 9:57	0.021	0.022
94	11/10/2015 9:58	0.021	0.022
95	11/10/2015 9:59	0.021	0.022
96	11/10/2015 10:00	0.021	0.021
97	11/10/2015 10:01	0.021	0.021
98	11/10/2015 10:02	0.021	0.021
99	11/10/2015 10:03	0.020	0.021
100	11/10/2015 10:04	0.021	0.021
101	11/10/2015 10:05	0.021	0.021
102	11/10/2015 10:06	0.021	0.021
103	11/10/2015 10:07	0.021	0.021
104	11/10/2015 10:08	0.020	0.021
105	11/10/2015 10:09	0.020	0.021
106	11/10/2015 10:10	0.020	0.021
107	11/10/2015 10:11	0.020	0.021
108	11/10/2015 10:12	0.020	0.021
109	11/10/2015 10:13	0.020	0.021
110	11/10/2015 10:14	0.020	0.020
111	11/10/2015 10:15	0.020	0.020
112	11/10/2015 10:16	0.021	0.020
113	11/10/2015 10:17	0.021	0.020
114	11/10/2015 10:18	0.021	0.020
115	11/10/2015 10:19	0.021	0.020
116	11/10/2015 10:20	0.021	0.020
117	11/10/2015 10:21	0.021	0.020
118	11/10/2015 10:22	0.021	0.020
119	11/10/2015 10:23	0.020	0.020
120	11/10/2015 10:24	0.020	0.020
121	11/10/2015 10:25	0.021	0.021
122	11/10/2015 10:26	0.020	0.021
123	11/10/2015 10:27	0.021	0.021
124	11/10/2015 10:28	0.020	0.021
125	11/10/2015 10:29	0.021	0.021
126	11/10/2015 10:30	0.020	0.021
127	11/10/2015 10:31	0.020	0.021
128	11/10/2015 10:32	0.021	0.021
129	11/10/2015 10:33	0.021	0.021
130	11/10/2015 10:34	0.021	0.021
131	11/10/2015 10:35	0.020	0.021
132	11/10/2015 10:36	0.021	0.021
133	11/10/2015 10:37	0.021	0.021
134	11/10/2015 10:38	0.021	0.021
135	11/10/2015 10:39	0.021	0.021
136	11/10/2015 10:40	0.020	0.021
137	11/10/2015 10:41	0.021	0.021
138	11/10/2015 10:42	0.021	0.021
139	11/10/2015 10:43	0.022	0.021
140	11/10/2015 10:44	0.021	0.021
141	11/10/2015 10:45	0.021	0.021

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
92	11/10/2015 9:56	0.016	0.019
93	11/10/2015 9:57	0.016	0.018
94	11/10/2015 9:58	0.015	0.018
95	11/10/2015 9:59	0.016	0.018
96	11/10/2015 10:00	0.016	0.018
97	11/10/2015 10:01	0.016	0.018
98	11/10/2015 10:02	0.016	0.018
99	11/10/2015 10:03	0.015	0.018
100	11/10/2015 10:04	0.016	0.017
101	11/10/2015 10:05	0.015	0.016
102	11/10/2015 10:06	0.016	0.016
103	11/10/2015 10:07	0.016	0.016
104	11/10/2015 10:08	0.016	0.016
105	11/10/2015 10:09	0.016	0.016
106	11/10/2015 10:10	0.015	0.016
107	11/10/2015 10:11	0.015	0.016
108	11/10/2015 10:12	0.016	0.016
109	11/10/2015 10:13	0.016	0.016
110	11/10/2015 10:14	0.016	0.016
111	11/10/2015 10:15	0.016	0.016
112	11/10/2015 10:16	0.016	0.016
113	11/10/2015 10:17	0.016	0.016
114	11/10/2015 10:18	0.016	0.016
115	11/10/2015 10:19	0.016	0.016
116	11/10/2015 10:20	0.022	0.016
117	11/10/2015 10:21	0.019	0.016
118	11/10/2015 10:22	0.017	0.017
119	11/10/2015 10:23	0.016	0.017
120	11/10/2015 10:24	0.016	0.017
121	11/10/2015 10:25	0.016	0.017
122	11/10/2015 10:26	0.016	0.017
123	11/10/2015 10:27	0.018	0.017
124	11/10/2015 10:28	0.021	0.017
125	11/10/2015 10:29	0.018	0.017
126	11/10/2015 10:30	0.018	0.017
127	11/10/2015 10:31	0.019	0.018
128	11/10/2015 10:32	0.018	0.018
129	11/10/2015 10:33	0.017	0.018
130	11/10/2015 10:34	0.016	0.018
131	11/10/2015 10:35	0.016	0.017
132	11/10/2015 10:36	0.016	0.017
133	11/10/2015 10:37	0.034	0.018
134	11/10/2015 10:38	0.041	0.020
135	11/10/2015 10:39	0.024	0.021
136	11/10/2015 10:40	0.021	0.021
137	11/10/2015 10:41	0.022	0.021
138	11/10/2015 10:42	0.020	0.021
139	11/10/2015 10:43	0.019	0.021
140	11/10/2015 10:44	0.017	0.021
141	11/10/2015 10:45	0.017	0.021

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
142	11/10/2015 10:46	0.021	0.021
143	11/10/2015 10:47	0.021	0.021
144	11/10/2015 10:48	0.021	0.021
145	11/10/2015 10:49	0.021	0.021
146	11/10/2015 10:50	0.021	0.021
147	11/10/2015 10:51	0.021	0.021
148	11/10/2015 10:52	0.021	0.021
149	11/10/2015 10:53	0.021	0.021
150	11/10/2015 10:54	0.021	0.021
151	11/10/2015 10:55	0.021	0.021
152	11/10/2015 10:56	0.021	0.021
153	11/10/2015 10:57	0.021	0.021
154	11/10/2015 10:58	0.021	0.021
155	11/10/2015 10:59	0.021	0.021
156	11/10/2015 11:00	0.021	0.021
157	11/10/2015 11:01	0.021	0.021
158	11/10/2015 11:02	0.021	0.021
159	11/10/2015 11:03	0.021	0.021
160	11/10/2015 11:04	0.020	0.021
161	11/10/2015 11:05	0.021	0.021
162	11/10/2015 11:06	0.021	0.021
163	11/10/2015 11:07	0.020	0.021
164	11/10/2015 11:08	0.020	0.021
165	11/10/2015 11:09	0.020	0.021
166	11/10/2015 11:10	0.021	0.021
167	11/10/2015 11:11	0.021	0.021
168	11/10/2015 11:12	0.021	0.021
169	11/10/2015 11:13	0.021	0.021
170	11/10/2015 11:14	0.020	0.021
171	11/10/2015 11:15	0.021	0.021
172	11/10/2015 11:16	0.020	0.021
173	11/10/2015 11:17	0.021	0.021
174	11/10/2015 11:18	0.020	0.021
175	11/10/2015 11:19	0.021	0.021
176	11/10/2015 11:20	0.021	0.021
177	11/10/2015 11:21	0.021	0.021
178	11/10/2015 11:22	0.020	0.021
179	11/10/2015 11:23	0.021	0.021
180	11/10/2015 11:24	0.020	0.021
181	11/10/2015 11:25	0.020	0.021
182	11/10/2015 11:26	0.020	0.021
183	11/10/2015 11:27	0.020	0.020
184	11/10/2015 11:28	0.020	0.020
185	11/10/2015 11:29	0.020	0.020
186	11/10/2015 11:30	0.020	0.020
187	11/10/2015 11:31	0.020	0.020
188	11/10/2015 11:32	0.020	0.020
189	11/10/2015 11:33	0.020	0.020
190	11/10/2015 11:34	0.020	0.020
191	11/10/2015 11:35	0.020	0.020

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
142	11/10/2015 10:46	0.016	0.021
143	11/10/2015 10:47	0.015	0.021
144	11/10/2015 10:48	0.015	0.021
145	11/10/2015 10:49	0.018	0.021
146	11/10/2015 10:50	0.017	0.021
147	11/10/2015 10:51	0.017	0.021
148	11/10/2015 10:52	0.016	0.020
149	11/10/2015 10:53	0.016	0.018
150	11/10/2015 10:54	0.016	0.017
151	11/10/2015 10:55	0.015	0.017
152	11/10/2015 10:56	0.015	0.017
153	11/10/2015 10:57	0.016	0.016
154	11/10/2015 10:58	0.015	0.016
155	11/10/2015 10:59	0.015	0.016
156	11/10/2015 11:00	0.016	0.016
157	11/10/2015 11:01	0.016	0.016
158	11/10/2015 11:02	0.018	0.016
159	11/10/2015 11:03	0.016	0.016
160	11/10/2015 11:04	0.016	0.016
161	11/10/2015 11:05	0.057	0.019
162	11/10/2015 11:06	0.042	0.020
163	11/10/2015 11:07	0.021	0.021
164	11/10/2015 11:08	0.018	0.021
165	11/10/2015 11:09	0.016	0.021
166	11/10/2015 11:10	0.019	0.021
167	11/10/2015 11:11	0.021	0.021
168	11/10/2015 11:12	0.016	0.021
169	11/10/2015 11:13	0.017	0.022
170	11/10/2015 11:14	0.018	0.022
171	11/10/2015 11:15	0.018	0.022
172	11/10/2015 11:16	0.018	0.022
173	11/10/2015 11:17	0.023	0.022
174	11/10/2015 11:18	0.017	0.022
175	11/10/2015 11:19	0.023	0.023
176	11/10/2015 11:20	0.018	0.020
177	11/10/2015 11:21	0.016	0.019
178	11/10/2015 11:22	0.019	0.018
179	11/10/2015 11:23	0.023	0.019
180	11/10/2015 11:24	0.037	0.020
181	11/10/2015 11:25	0.023	0.020
182	11/10/2015 11:26	0.016	0.020
183	11/10/2015 11:27	0.016	0.020
184	11/10/2015 11:28	0.016	0.020
185	11/10/2015 11:29	0.016	0.020
186	11/10/2015 11:30	0.017	0.020
187	11/10/2015 11:31	0.019	0.020
188	11/10/2015 11:32	0.018	0.020
189	11/10/2015 11:33	0.015	0.019
190	11/10/2015 11:34	0.015	0.019
191	11/10/2015 11:35	0.034	0.020

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
192	11/10/2015 11:36	0.021	0.020
193	11/10/2015 11:37	0.021	0.020
194	11/10/2015 11:38	0.021	0.020
195	11/10/2015 11:39	0.021	0.020
196	11/10/2015 11:40	CAMP unit shut down	
197	11/10/2015 11:41	CAMP unit shut down	
198	11/10/2015 11:42	CAMP unit shut down	
199	11/10/2015 11:43	CAMP unit shut down	
200	11/10/2015 11:44	CAMP unit shut down	
201	11/10/2015 11:45	CAMP unit shut down	
202	11/10/2015 11:46	CAMP unit shut down	
203	11/10/2015 11:47	CAMP unit shut down	
204	11/10/2015 11:48	CAMP unit shut down	
205	11/10/2015 11:49	CAMP unit shut down	
206	11/10/2015 11:50	CAMP unit shut down	
207	11/10/2015 11:51	CAMP unit shut down	
208	11/10/2015 11:52	CAMP unit shut down	
209	11/10/2015 11:53	CAMP unit shut down	
210	11/10/2015 11:54	CAMP unit shut down	
211	11/10/2015 11:55	CAMP unit shut down	
212	11/10/2015 11:56	CAMP unit shut down	
213	11/10/2015 11:57	CAMP unit shut down	
214	11/10/2015 11:58	CAMP unit shut down	
215	11/10/2015 11:59	CAMP unit shut down	
216	11/10/2015 12:00	CAMP unit shut down	
217	11/10/2015 12:01	CAMP unit shut down	
218	11/10/2015 12:02	CAMP unit shut down	
219	11/10/2015 12:03	CAMP unit shut down	
220	11/10/2015 12:04	CAMP unit shut down	
221	11/10/2015 12:05	CAMP unit shut down	
222	11/10/2015 12:06	CAMP unit shut down	
223	11/10/2015 12:07	CAMP unit shut down	
224	11/10/2015 12:08	CAMP unit shut down	
225	11/10/2015 12:09	CAMP unit shut down	
226	11/10/2015 12:10	CAMP unit shut down	
227	11/10/2015 12:11	CAMP unit shut down	
228	11/10/2015 12:12	CAMP unit shut down	
229	11/10/2015 12:13	CAMP unit shut down	
230	11/10/2015 12:14	CAMP unit shut down	
231	11/10/2015 12:15	CAMP unit shut down	
232	11/10/2015 12:16	CAMP unit shut down	
233	11/10/2015 12:17	CAMP unit shut down	
234	11/10/2015 12:18	CAMP unit shut down	
235	11/10/2015 12:19	CAMP unit shut down	
236	11/10/2015 12:20	CAMP unit shut down	
237	11/10/2015 12:21	CAMP unit shut down	
238	11/10/2015 12:22	CAMP unit shut down	
239	11/10/2015 12:23	CAMP unit shut down	
240	11/10/2015 12:24	CAMP unit shut down	
241	11/10/2015 12:25	CAMP unit shut down	

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
192	11/10/2015 11:36	0.027	0.021
193	11/10/2015 11:37	0.019	0.021
194	11/10/2015 11:38	0.017	0.020
195	11/10/2015 11:39	0.016	0.019
196	11/10/2015 11:40	0.073	0.022
197	11/10/2015 11:41	0.038	0.024
198	11/10/2015 11:42	0.026	0.024
199	11/10/2015 11:43	CAMP unit shut down	
200	11/10/2015 11:44	CAMP unit shut down	
201	11/10/2015 11:45	CAMP unit shut down	
202	11/10/2015 11:46	CAMP unit shut down	
203	11/10/2015 11:47	CAMP unit shut down	
204	11/10/2015 11:48	CAMP unit shut down	
205	11/10/2015 11:49	CAMP unit shut down	
206	11/10/2015 11:50	CAMP unit shut down	
207	11/10/2015 11:51	CAMP unit shut down	
208	11/10/2015 11:52	CAMP unit shut down	
209	11/10/2015 11:53	CAMP unit shut down	
210	11/10/2015 11:54	CAMP unit shut down	
211	11/10/2015 11:55	CAMP unit shut down	
212	11/10/2015 11:56	CAMP unit shut down	
213	11/10/2015 11:57	CAMP unit shut down	
214	11/10/2015 11:58	CAMP unit shut down	
215	11/10/2015 11:59	CAMP unit shut down	
216	11/10/2015 12:00	CAMP unit shut down	
217	11/10/2015 12:01	CAMP unit shut down	
218	11/10/2015 12:02	CAMP unit shut down	
219	11/10/2015 12:03	CAMP unit shut down	
220	11/10/2015 12:04	CAMP unit shut down	
221	11/10/2015 12:05	CAMP unit shut down	
222	11/10/2015 12:06	CAMP unit shut down	
223	11/10/2015 12:07	CAMP unit shut down	
224	11/10/2015 12:08	CAMP unit shut down	
225	11/10/2015 12:09	CAMP unit shut down	
226	11/10/2015 12:10	CAMP unit shut down	
227	11/10/2015 12:11	CAMP unit shut down	
228	11/10/2015 12:12	CAMP unit shut down	
229	11/10/2015 12:13	CAMP unit shut down	
230	11/10/2015 12:14	CAMP unit shut down	
231	11/10/2015 12:15	CAMP unit shut down	
232	11/10/2015 12:16	CAMP unit shut down	
233	11/10/2015 12:17	CAMP unit shut down	
234	11/10/2015 12:18	CAMP unit shut down	
235	11/10/2015 12:19	CAMP unit shut down	
236	11/10/2015 12:20	CAMP unit shut down	
237	11/10/2015 12:21	CAMP unit shut down	
238	11/10/2015 12:22	CAMP unit shut down	
239	11/10/2015 12:23	CAMP unit shut down	
240	11/10/2015 12:24	CAMP unit shut down	
241	11/10/2015 12:25	CAMP unit shut down	

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
242	11/10/2015 12:26	CAMP unit shut down	
243	11/10/2015 12:27	CAMP unit shut down	
244	11/10/2015 12:28	CAMP unit shut down	
245	11/10/2015 12:29	CAMP unit shut down	
246	11/10/2015 12:30	CAMP unit shut down	
247	11/10/2015 12:31	CAMP unit shut down	
248	11/10/2015 12:32	CAMP unit shut down	
249	11/10/2015 12:33	CAMP unit shut down	
250	11/10/2015 12:34	CAMP unit shut down	
251	11/10/2015 12:35	CAMP unit shut down	
252	11/10/2015 12:36	CAMP unit shut down	
253	11/10/2015 12:37	CAMP unit shut down	
254	11/10/2015 12:38	CAMP unit shut down	
255	11/10/2015 12:39	CAMP unit shut down	
256	11/10/2015 12:40	CAMP unit shut down	
257	11/10/2015 12:41	CAMP unit shut down	
258	11/10/2015 12:42	0.026	0.026
259	11/10/2015 12:43	0.019	0.023
260	11/10/2015 12:44	0.019	0.021
261	11/10/2015 12:45	0.019	0.021
262	11/10/2015 12:46	0.019	0.020
263	11/10/2015 12:47	0.019	0.020
264	11/10/2015 12:48	0.019	0.020
265	11/10/2015 12:49	0.019	0.020
266	11/10/2015 12:50	0.019	0.020
267	11/10/2015 12:51	0.019	0.020
268	11/10/2015 12:52	0.019	0.020
269	11/10/2015 12:53	0.019	0.020
270	11/10/2015 12:54	0.019	0.020
271	11/10/2015 12:55	0.018	0.019
272	11/10/2015 12:56	0.018	0.019
273	11/10/2015 12:57	0.018	0.019
274	11/10/2015 12:58	0.018	0.019
275	11/10/2015 12:59	0.018	0.019
276	11/10/2015 13:00	0.018	0.019
277	11/10/2015 13:01	0.018	0.019
278	11/10/2015 13:02	0.019	0.019
279	11/10/2015 13:03	0.019	0.019
280	11/10/2015 13:04	0.018	0.018
281	11/10/2015 13:05	0.019	0.018
282	11/10/2015 13:06	0.018	0.018
283	11/10/2015 13:07	0.018	0.018
284	11/10/2015 13:08	0.018	0.018
285	11/10/2015 13:09	0.018	0.018
286	11/10/2015 13:10	0.018	0.018
287	11/10/2015 13:11	0.018	0.018
288	11/10/2015 13:12	0.018	0.018
289	11/10/2015 13:13	0.018	0.018
290	11/10/2015 13:14	0.019	0.018
291	11/10/2015 13:15	0.019	0.018

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
242	11/10/2015 12:26	CAMP unit shut down	
243	11/10/2015 12:27	CAMP unit shut down	
244	11/10/2015 12:28	CAMP unit shut down	
245	11/10/2015 12:29	CAMP unit shut down	
246	11/10/2015 12:30	CAMP unit shut down	
247	11/10/2015 12:31	CAMP unit shut down	
248	11/10/2015 12:32	CAMP unit shut down	
249	11/10/2015 12:33	CAMP unit shut down	
250	11/10/2015 12:34	CAMP unit shut down	
251	11/10/2015 12:35	CAMP unit shut down	
252	11/10/2015 12:36	CAMP unit shut down	
253	11/10/2015 12:37	CAMP unit shut down	
254	11/10/2015 12:38	CAMP unit shut down	
255	11/10/2015 12:39	0.028	0.028
256	11/10/2015 12:40	0.016	0.022
257	11/10/2015 12:41	0.016	0.020
258	11/10/2015 12:42	0.016	0.019
259	11/10/2015 12:43	0.015	0.018
260	11/10/2015 12:44	0.015	0.018
261	11/10/2015 12:45	0.015	0.017
262	11/10/2015 12:46	0.014	0.017
263	11/10/2015 12:47	0.014	0.017
264	11/10/2015 12:48	0.014	0.016
265	11/10/2015 12:49	0.014	0.016
266	11/10/2015 12:50	0.014	0.016
267	11/10/2015 12:51	0.013	0.016
268	11/10/2015 12:52	0.014	0.016
269	11/10/2015 12:53	0.014	0.015
270	11/10/2015 12:54	0.014	0.015
271	11/10/2015 12:55	0.013	0.014
272	11/10/2015 12:56	0.014	0.014
273	11/10/2015 12:57	0.014	0.014
274	11/10/2015 12:58	0.014	0.014
275	11/10/2015 12:59	0.013	0.014
276	11/10/2015 13:00	0.014	0.014
277	11/10/2015 13:01	0.013	0.014
278	11/10/2015 13:02	0.015	0.014
279	11/10/2015 13:03	0.030	0.015
280	11/10/2015 13:04	0.014	0.015
281	11/10/2015 13:05	0.014	0.015
282	11/10/2015 13:06	0.014	0.015
283	11/10/2015 13:07	0.013	0.015
284	11/10/2015 13:08	0.013	0.015
285	11/10/2015 13:09	0.014	0.015
286	11/10/2015 13:10	0.013	0.015
287	11/10/2015 13:11	0.013	0.015
288	11/10/2015 13:12	0.014	0.015
289	11/10/2015 13:13	0.013	0.015
290	11/10/2015 13:14	0.013	0.015
291	11/10/2015 13:15	0.014	0.015

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
292	11/10/2015 13:16	0.019	0.018
293	11/10/2015 13:17	0.019	0.018
294	11/10/2015 13:18	0.018	0.018
295	11/10/2015 13:19	0.019	0.018
296	11/10/2015 13:20	0.019	0.018
297	11/10/2015 13:21	0.019	0.018
298	11/10/2015 13:22	0.018	0.018
299	11/10/2015 13:23	0.019	0.019
300	11/10/2015 13:24	0.019	0.019
301	11/10/2015 13:25	0.019	0.019
302	11/10/2015 13:26	0.019	0.019
303	11/10/2015 13:27	0.019	0.019
304	11/10/2015 13:28	0.019	0.019
305	11/10/2015 13:29	0.018	0.019
306	11/10/2015 13:30	0.018	0.019
307	11/10/2015 13:31	0.018	0.019
308	11/10/2015 13:32	0.018	0.019
309	11/10/2015 13:33	0.018	0.019
310	11/10/2015 13:34	0.018	0.019
311	11/10/2015 13:35	0.019	0.019
312	11/10/2015 13:36	0.020	0.019
313	11/10/2015 13:37	0.019	0.019
314	11/10/2015 13:38	0.019	0.019
315	11/10/2015 13:39	0.052	0.021
316	11/10/2015 13:40	0.027	0.021
317	11/10/2015 13:41	0.020	0.021
318	11/10/2015 13:42	0.019	0.021
319	11/10/2015 13:43	0.019	0.021
320	11/10/2015 13:44	0.019	0.022
321	11/10/2015 13:45	0.019	0.022
322	11/10/2015 13:46	0.018	0.022
323	11/10/2015 13:47	0.018	0.022
324	11/10/2015 13:48	0.019	0.022
325	11/10/2015 13:49	0.019	0.022
326	11/10/2015 13:50	0.019	0.022
327	11/10/2015 13:51	0.019	0.022
328	11/10/2015 13:52	0.019	0.022
329	11/10/2015 13:53	0.019	0.022
330	11/10/2015 13:54	0.019	0.019
331	11/10/2015 13:55	0.019	0.019
332	11/10/2015 13:56	0.019	0.019
333	11/10/2015 13:57	0.019	0.019
334	11/10/2015 13:58	0.019	0.019
335	11/10/2015 13:59	0.019	0.019
336	11/10/2015 14:00	0.019	0.019
337	11/10/2015 14:01	0.019	0.019
338	11/10/2015 14:02	0.020	0.019
339	11/10/2015 14:03	0.020	0.019
340	11/10/2015 14:04	0.020	0.019
341	11/10/2015 14:05	0.020	0.019

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
292	11/10/2015 13:16	0.022	0.015
293	11/10/2015 13:17	0.040	0.017
294	11/10/2015 13:18	0.026	0.017
295	11/10/2015 13:19	0.017	0.017
296	11/10/2015 13:20	0.019	0.017
297	11/10/2015 13:21	0.016	0.017
298	11/10/2015 13:22	0.021	0.018
299	11/10/2015 13:23	0.019	0.018
300	11/10/2015 13:24	0.014	0.018
301	11/10/2015 13:25	0.014	0.018
302	11/10/2015 13:26	0.014	0.018
303	11/10/2015 13:27	0.017	0.019
304	11/10/2015 13:28	0.038	0.020
305	11/10/2015 13:29	0.015	0.020
306	11/10/2015 13:30	0.016	0.021
307	11/10/2015 13:31	0.016	0.020
308	11/10/2015 13:32	0.014	0.018
309	11/10/2015 13:33	0.013	0.018
310	11/10/2015 13:34	0.013	0.017
311	11/10/2015 13:35	0.013	0.017
312	11/10/2015 13:36	0.020	0.017
313	11/10/2015 13:37	0.020	0.017
314	11/10/2015 13:38	0.046	0.019
315	11/10/2015 13:39	0.048	0.021
316	11/10/2015 13:40	0.022	0.022
317	11/10/2015 13:41	0.017	0.022
318	11/10/2015 13:42	0.015	0.022
319	11/10/2015 13:43	0.013	0.020
320	11/10/2015 13:44	0.014	0.020
321	11/10/2015 13:45	0.014	0.020
322	11/10/2015 13:46	0.014	0.020
323	11/10/2015 13:47	0.014	0.020
324	11/10/2015 13:48	0.015	0.020
325	11/10/2015 13:49	0.013	0.020
326	11/10/2015 13:50	0.013	0.020
327	11/10/2015 13:51	0.013	0.019
328	11/10/2015 13:52	0.015	0.019
329	11/10/2015 13:53	0.016	0.017
330	11/10/2015 13:54	0.013	0.015
331	11/10/2015 13:55	0.015	0.014
332	11/10/2015 13:56	0.017	0.014
333	11/10/2015 13:57	0.037	0.016
334	11/10/2015 13:58	0.017	0.016
335	11/10/2015 13:59	0.014	0.016
336	11/10/2015 14:00	0.014	0.016
337	11/10/2015 14:01	0.014	0.016
338	11/10/2015 14:02	0.014	0.016
339	11/10/2015 14:03	0.014	0.016
340	11/10/2015 14:04	0.015	0.016
341	11/10/2015 14:05	0.017	0.016

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Upwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
342	11/10/2015 14:06	0.020	0.019
343	11/10/2015 14:07	0.020	0.019
344	11/10/2015 14:08		0.019
345	11/10/2015 14:09		0.019
346	11/10/2015 14:10		0.020
347	11/10/2015 14:11		0.020
348	11/10/2015 14:12		0.020
349	11/10/2015 14:13		0.020
350	11/10/2015 14:14		0.020
351	11/10/2015 14:15		0.020
352	11/10/2015 14:16		0.020
353	11/10/2015 14:17		0.020
354	11/10/2015 14:18		0.020
355	11/10/2015 14:19		0.020
356	11/10/2015 14:20		0.020
357	11/10/2015 14:21		0.020
358	11/10/2015 14:22		N/A
359	11/10/2015 14:23		N/A
360	11/10/2015 14:24		N/A
361	11/10/2015 14:25		N/A
362	11/10/2015 14:26		N/A
363	11/10/2015 14:27		N/A
364	11/10/2015 14:28		N/A
365	11/10/2015 14:29		N/A
366	11/10/2015 14:30		N/A
367	11/10/2015 14:31		N/A
368	11/10/2015 14:32		N/A
369	11/10/2015 14:33		N/A
370	11/10/2015 14:34		N/A
371	11/10/2015 14:35		N/A
372	11/10/2015 14:36		N/A
373	11/10/2015 14:37		N/A
374	11/10/2015 14:38		N/A
375	11/10/2015 14:39		N/A
376	11/10/2015 14:40		N/A
377	11/10/2015 14:41		N/A
378	11/10/2015 14:42		N/A
379	11/10/2015 14:43		N/A
380	11/10/2015 14:44		N/A
381	11/10/2015 14:45		N/A
382	11/10/2015 14:46		N/A
383	11/10/2015 14:47		N/A
384	11/10/2015 14:48		N/A
385	11/10/2015 14:49		N/A
386	11/10/2015 14:50		N/A
387	11/10/2015 14:51		N/A

Tuesday, November 10, 2015			
HRPC - IRM - AOC-1			
Downwind DustTrak			
Record	Date & Time	Mass Conc. (mg/m^3)	15-Minute Average
342	11/10/2015 14:06	0.016	0.017
343	11/10/2015 14:07	0.014	0.016
344	11/10/2015 14:08	0.014	0.016
345	11/10/2015 14:09	0.014	0.016
346	11/10/2015 14:10	0.014	0.016
347	11/10/2015 14:11	0.014	0.016
348	11/10/2015 14:12	0.017	0.015
349	11/10/2015 14:13	0.015	0.015
350	11/10/2015 14:14	0.015	0.015
351	11/10/2015 14:15	0.019	0.015
352	11/10/2015 14:16	0.017	0.015
353	11/10/2015 14:17	0.015	0.015
354	11/10/2015 14:18	0.015	0.015
355	11/10/2015 14:19	0.014	0.015
356	11/10/2015 14:20	0.015	0.015
357	11/10/2015 14:21	0.015	0.015
358	11/10/2015 14:22	0.017	0.015
359	11/10/2015 14:23	0.016	0.015
360	11/10/2015 14:24	0.016	0.016
361	11/10/2015 14:25	0.015	0.016
362	11/10/2015 14:26	0.015	0.016
363	11/10/2015 14:27	0.015	0.016
364	11/10/2015 14:28	0.016	0.016
365	11/10/2015 14:29	0.015	0.016
366	11/10/2015 14:30	0.017	0.016
367	11/10/2015 14:31	0.016	0.015
368	11/10/2015 14:32	0.016	0.016
369	11/10/2015 14:33	0.016	0.016
370	11/10/2015 14:34	0.015	0.016
371	11/10/2015 14:35	0.015	0.016
372	11/10/2015 14:36	0.016	0.016
373	11/10/2015 14:37	0.015	0.016
374	11/10/2015 14:38	0.016	0.016
375	11/10/2015 14:39	0.014	0.015
376	11/10/2015 14:40	0.014	0.015
377	11/10/2015 14:41	0.014	0.015
378	11/10/2015 14:42	0.014	0.015
379	11/10/2015 14:43	0.017	0.015
380	11/10/2015 14:44	0.016	0.015
381	11/10/2015 14:45	0.016	0.015
382	11/10/2015 14:46	0.015	0.015
383	11/10/2015 14:47	0.015	0.015
384	11/10/2015 14:48	0.014	0.015
385	11/10/2015 14:49	0.015	0.015
386	11/10/2015 14:50	0.015	0.015
387	11/10/2015 14:51	0.015	0.015

Appendix E:

Daily Reports with Digital Photos

DAILY STATUS REPORT

Prepared By: Alan Mason

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	x
TEMP.	< 32		32-50		50-70		70-85		>85	x

BCP No.:	C314121	PVE Project No.:560909	N/A	Date:	9/2/2015
Project Name:	AOC-1 (Power House), Hudson Valley Psychiatric Center, Poughkeepsie, NY				

Consultant: PVE,LLC	Consultant On-Site: AJ Spiers
General Contractor: Corewood Ventures	General Contractor Contact: Matt Simonetty

Work Activities Performed (Since Last Report):

PVE, LLC (PVE) was retained by EFG/DRA to provide environmental oversight, conduct air monitoring, and to support waste disposal during excavation and soil disposal activities in AOC-1 (Power House) at the Hudson Valley Psychiatric Center (HRPC) in Poughkeepsie, New York (Site). The Site activities, photograph log, disposal, and Site sketches are provided below.

Site Activities:

- Corewood Ventures (Corewood) excavated to allow for temporary removal of the existing water line running through the excavation area and installation of a temporary water line for use during the period of excavation work.

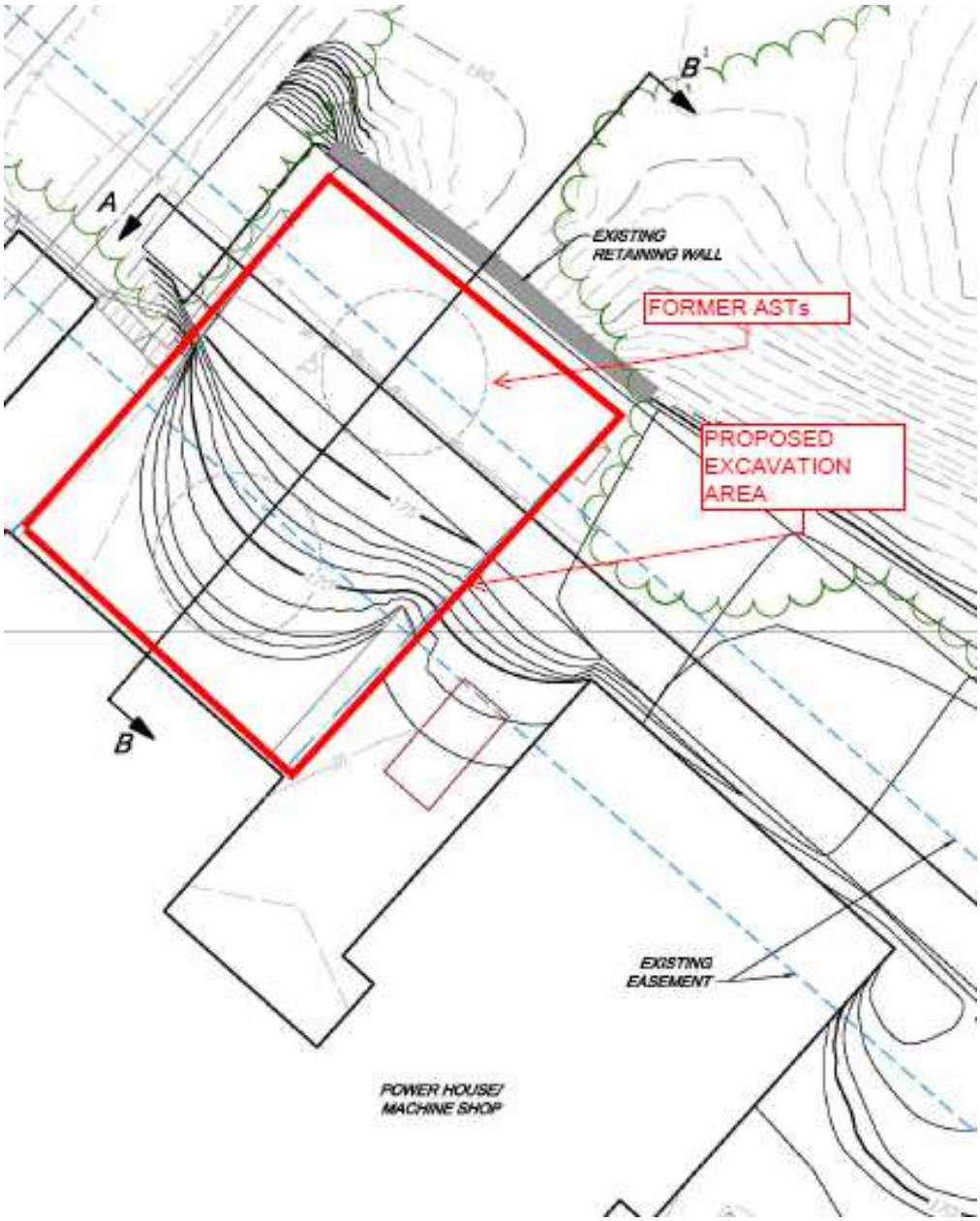
Waste Disposal:

- No waste disposal.

Samples Collected (Since Last Report): No samples collected.
Air Monitoring (Since Last Report): • No air monitoring for particulate matter with particles less than 10 µm in diameter (PM10) and total VOCs was conducted on Site due to only limited excavation.
Problems Encountered: No problems encountered.
Planned Activities for the Next Day/ Week: Based on the current schedule, Corewood will continue excavation activities in the coming weeks.

Facility # Name/ Location Type of Waste Solid Or Liquid										
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)		
Today										
Total										

Site Grid Map



TODAY's WASTE DISPOSAL SUMMARY			
Material	**Grid Nos.**	**No. Trucks**	**Disposal Facility**
N/A	**N/A**	**N/A**	**N/A**

Photo Log

Photo 1 – Overview of Site during excavation activities.	
Photo 2 – Installation of the temporary waterline.	
Photo 3 – Installation of the temporary waterline.	

DAILY STATUS REPORT

Prepared By: Alan Mason

WEATHER	Snow		Rain		Overcast		Partly Cloudy	x	Bright Sun	
TEMP.	< 32		32-50		50-70		70-85	x	>85	

BCP No.:	C314121	PVE, LLC Project No.:560909	N/A	Date:	9/28/2015
Project Name:	AOC-1 (Power House), Hudson Valley Psychiatric Center, Poughkeepsie, NY				

Consultant: PVE, LLC	Consultant On-Site: AJ Spiers
General Contractor: Corewood Ventures	General Contractor Contact: Matt Simonetty

Work Activities Performed (Since Last Report):

PVE, LLC (PVE) was retained by EFG/DRA to provide environmental oversight, conduct air monitoring, and to support waste disposal during excavation and soil disposal activities in AOC-1 (Power House) at the Hudson Valley Psychiatric Center (HRPC) in Poughkeepsie, New York (Site). The Site activities, photograph log, disposal, and Site sketches are provided below.

Site Activities:

- Corewood Ventures (Corewood) conducted excavation, segregation and stockpiling of the overlying soil from the former tank containment area which isn't grossly contaminated and presumably meets SCOs.

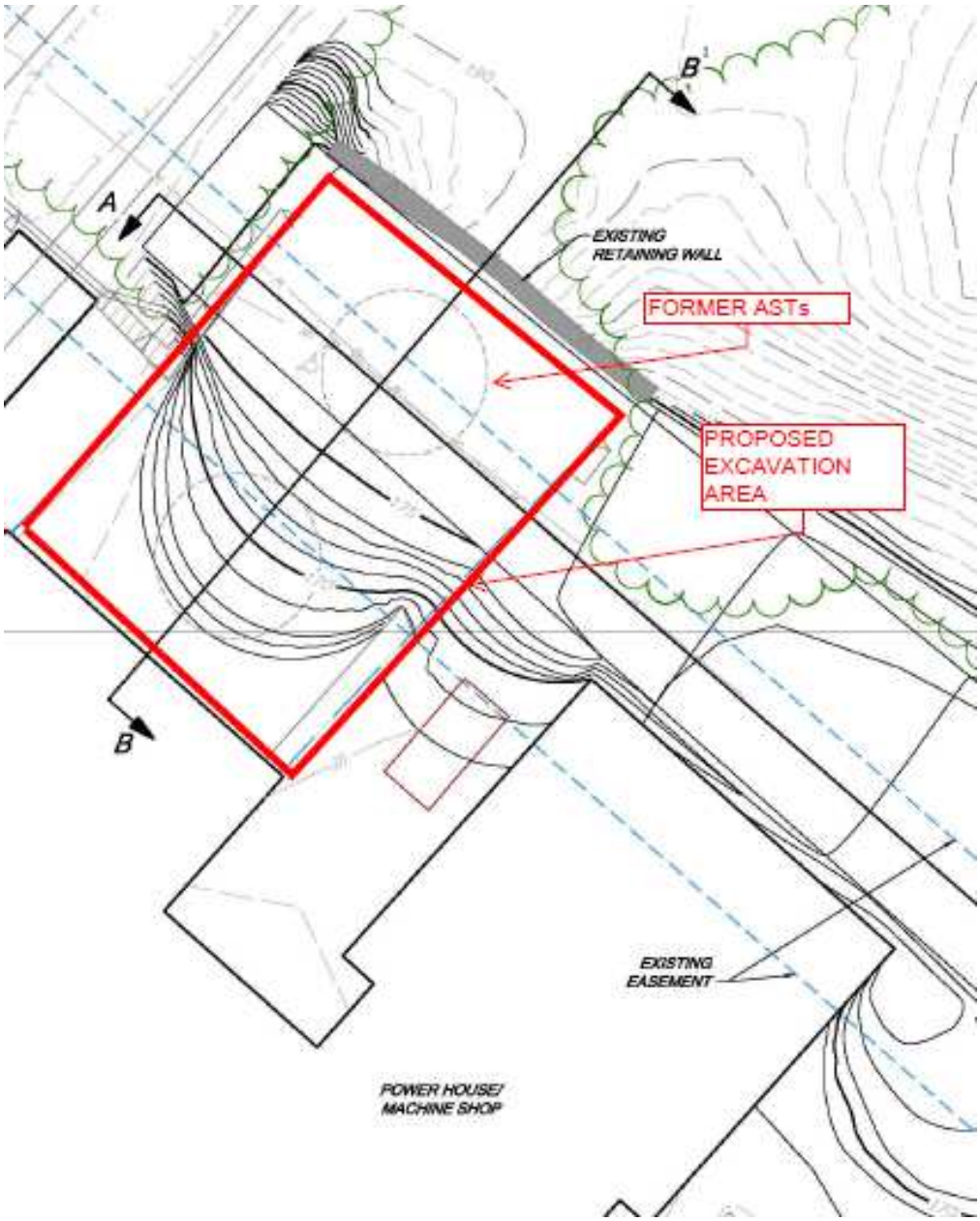
Waste Disposal:

- No waste disposal.

Samples Collected (Since Last Report): No samples collected.
Air Monitoring (Since Last Report): • Air monitoring for particulate matter with particles less than 10 µm in diameter (PM10) and total VOCs was conducted on Site. o No 15-minute running average PM10 or total VOC concentrations were detected above the background (upwind) concentrations during air monitoring at the downwind air-monitoring station.
Problems Encountered: No problems encountered.
Planned Activities for the Next Day/ Week: Based on the current schedule, Corewood will continue excavation activities tomorrow.

Facility # Name/ Location Type of Waste Solid Or Liquid										
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)		
Today										
Total										

Site Grid Map



TODAY's WASTE DISPOSAL SUMMARY			
Material	**Grid Nos.**	**No. Trucks**	**Disposal Facility**
N/A	**N/A**	**N/A**	**N/A**

Photo Log

Photo 1 – Overview of Site during excavation activities.	
Photo 2 – Excavation and loading of presumably non-contaminated overlying soil.	
Photo 3 – Stockpiling of presumably non-contaminated overlying soil on the eastern portion of the nearby tennis court area.	

DAILY STATUS REPORT

Prepared By: Alan Mason

WEATHER	Snow		Rain		Overcast		Partly Cloudy	x	Bright Sun	
TEMP.	< 32		32-50		50-70		70-85	x	>85	

BCP No.:	C314121	PVE Project No.:560909	N/A	Date:	9/29/2015
Project Name:	AOC-1 (Power House), Hudson Valley Psychiatric Center, Poughkeepsie, NY				

Consultant: PVE, LLC	Consultant On-Site: AJ Spiers
General Contractor: Corewood Ventures	General Contractor Contact: Matt Simonetty

Work Activities Performed (Since Last Report):

PVE, LLC (PVE) was retained by EFG/DRA to provide environmental oversight, conduct air monitoring, and to support waste disposal during excavation and soil disposal activities in AOC-1 (Power House) at the Hudson Valley Psychiatric Center (HRPC) in Poughkeepsie, New York (Site). The Site activities, photograph log, disposal, and Site sketches are provided below.

Site Activities:

- Corewood Ventures (Corewood) continued to conduct excavation, segregation and stockpiling of the overlying soil from the former tank containment area which isn't grossly contaminated and presumably meets SCOs.
- Corewood began excavation, segregation and stockpiling of the grossly contaminated underlying soil from the former tank containment area.

Waste Disposal:

- No waste disposal.

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):

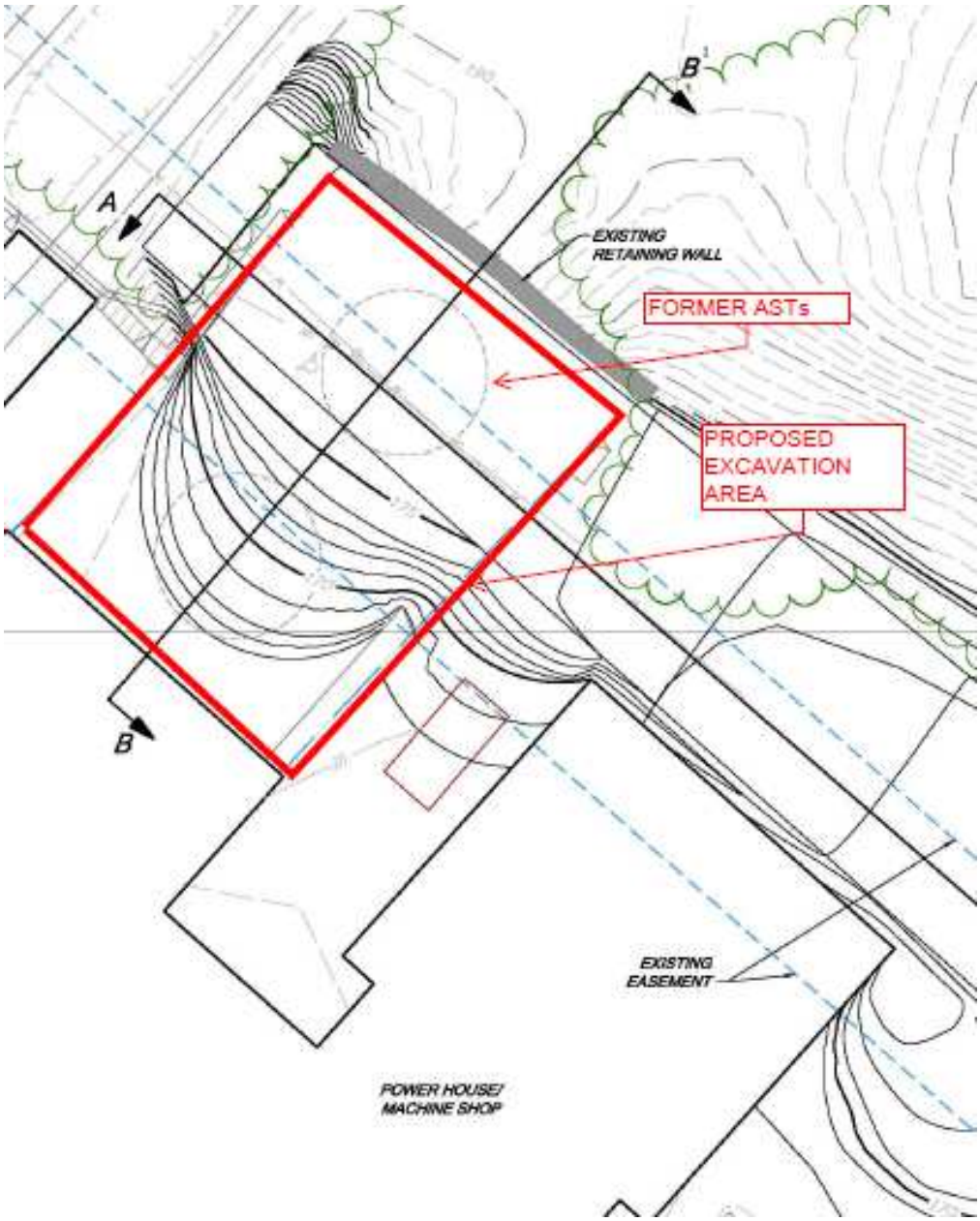
- Air monitoring for particulate matter with particles less than 10 µm in diameter (PM10) and total VOCs was conducted on Site.
  - No 15-minute running average PM10 or total VOC concentrations were detected above the background (upwind) concentrations during air monitoring at the downwind air-monitoring station.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week:
Based on the current schedule, Corewood will continue excavation activities tomorrow.

Facility # Name/ Location Type of Waste Solid Or Liquid										
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)		
Today										
Total										

Site Grid Map



TODAY's WASTE DISPOSAL SUMMARY			
Material	**Grid Nos.**	**No. Trucks**	**Disposal Facility**
N/A	**N/A**	**N/A**	**N/A**

Photo Log

Photo 1 – Overview of Site during excavation activities.	
Photo 2 – Fresh product exhibited in grossly contaminated underlying soil.	
Photo 3 – Stockpiling of grossly contaminated underlying soil on the western portion of the nearby tennis court area. A bermed and impervious surface was constructed using polyethylene sheeting to prevent migration of contamination.	

DAILY STATUS REPORT

Prepared By: Alan Mason

WEATHER	Snow		Rain	x	Overcast		Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50		50-70	x	70-85		>85	

BCP No.:	C314121	PVE Project No.:560909	N/A	Date:	9/30/2015
Project Name:	AOC-1 (Power House), Hudson Valley Psychiatric Center, Poughkeepsie, NY				

Consultant: PVE, LLC	Consultant On-Site: Anthony Spadavecchia
General Contractor: Corewood Ventures	General Contractor Contact: Matt Simonetty

Work Activities Performed (Since Last Report):

PVE, LLC (PVE) was retained by EFG/DRA to provide environmental oversight, conduct air monitoring, and to support waste disposal during excavation and soil disposal activities in AOC-1 (Power House) at the Hudson Valley Psychiatric Center (HRPC) in Poughkeepsie, New York (Site). The Site activities, photograph log, disposal, and Site sketches are provided below.

Site Activities:

- Excavation activities on hold due to excessive rain.

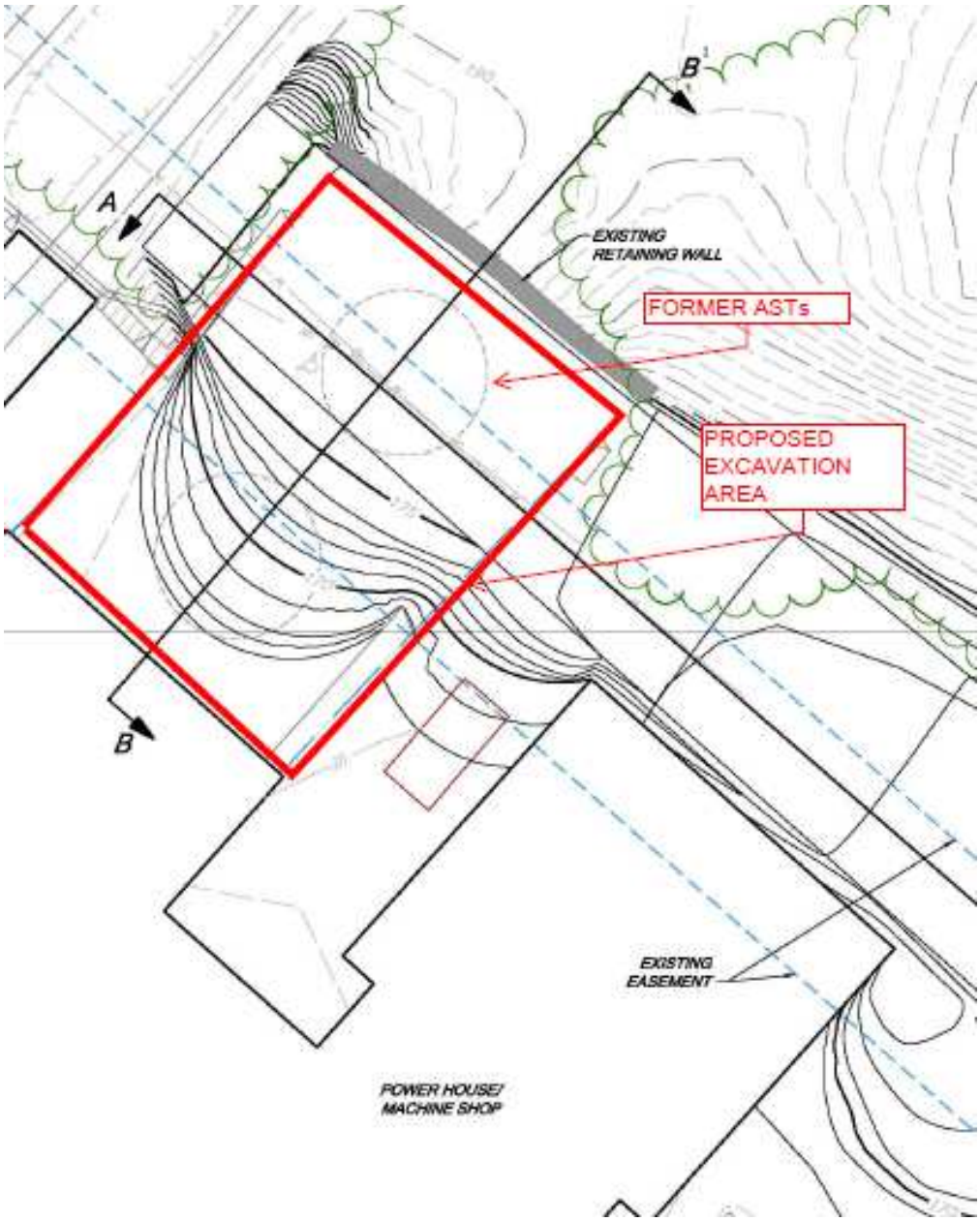
Waste Disposal:

- No waste disposal.

Samples Collected (Since Last Report): No samples collected.
Air Monitoring (Since Last Report): • No air monitoring for particulate matter with particles less than 10 µm in diameter (PM10) and total VOCs was conducted on Site due to no excavation activities.
Problems Encountered: No problems encountered.
Planned Activities for the Next Day/ Week: Based on the current schedule, Corewood will continue excavation activities next week.

Facility # Name/ Location Type of Waste Solid Or Liquid										
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)		
Today										
Total										

Site Grid Map



TODAY's WASTE DISPOSAL SUMMARY			
Material	**Grid Nos.**	**No. Trucks**	**Disposal Facility**
N/A	**N/A**	**N/A**	**N/A**

Photo Log

Photo 1 – Overview of Site during excavation activities.	
Photo 2 – Fresh product exhibited on the surface of groundwater.	
Photo 3 – Stockpile of grossly contaminated underlying soil covered by polyethylene sheeting to prevent migration of contamination.	

DAILY STATUS REPORT

Prepared By: Alan Mason

WEATHER	Snow		Rain		Overcast	x	Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50		50-70	x	70-85		>85	

BCP No.:	C314121	PVE Project No.:560909	N/A	Date:	10/1/2015
Project Name:	AOC-1 (Power House), Hudson Valley Psychiatric Center, Poughkeepsie, NY				

Consultant: PVE, LLC	Consultant On-Site: Anthony Spadavecchia
General Contractor: Corewood Ventures	General Contractor Contact: Matt Simonetty

Work Activities Performed (Since Last Report):

PVE, LLC (PVES) was retained by EFG/DRA to provide environmental oversight, conduct air monitoring, and to support waste disposal during excavation and soil disposal activities in AOC-1 (Power House) at the Hudson Valley Psychiatric Center (HRPC) in Poughkeepsie, New York (Site). The Site activities, photograph log, disposal, and Site sketches are provided below.

Site Activities:

- Prior to any excavation activities, Buckner Oil Service & Industrial Tank Cleaning Inc (Buckner) used a vacuum truck to pump out approximately 1,000 gallons of water contaminated with #6 fuel oil.
- Corewood Ventures (Corewood) continued to conduct excavation, segregation and stockpiling of the overlying soil from the former tank containment area which isn't grossly contaminated and presumably meets SCOs.
- Corewood began excavation, segregation and stockpiling of the grossly contaminated underlying soil from the former tank containment area.

Waste Disposal:

- No waste disposal.

Samples Collected (Since Last Report):

- A total of 3 end-point samples were collected in accordance with the frequency and procedures established in DER-10.

Air Monitoring (Since Last Report):

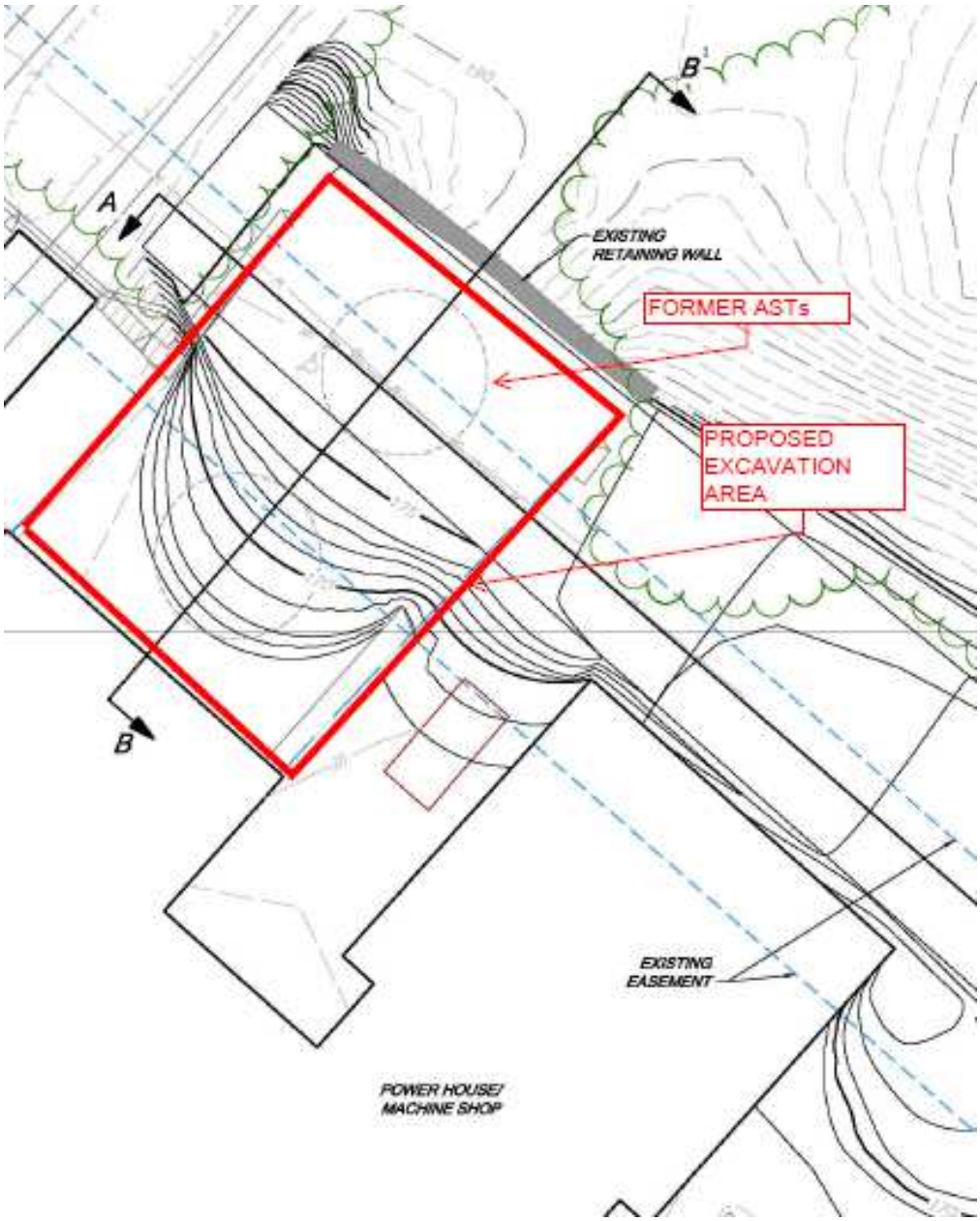
- Air monitoring for particulate matter with particles less than 10 µm in diameter (PM10) and total VOCs was conducted on Site.
  - No 15-minute running average PM10 or total VOC concentrations were detected above the background (upwind) concentrations during air monitoring at the downwind air-monitoring station.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week:
Based on the current schedule, Corewood will continue excavation activities tomorrow.

Facility # Name/ Location Type of Waste Solid Or Liquid	Buckner Oil Service & Industrial Tank Cleaning Inc #6 oil impacted water									
(Trucks, Cu.Yds. Or Gallons)	Trucks	Gallons (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)		
Today	1	1000								
Total	1	1000								

Site Grid Map



TODAY's WASTE DISPOSAL SUMMARY			
Material	**Grid Nos.**	**No. Trucks**	**Disposal Facility**
N/A	**N/A**	**N/A**	**N/A**

Photo Log

Photo 1 – Buckner using a vacuum truck to pump out fresh product from the surface of groundwater.	
Photo 2 – Excavation activities.	
Photo 3 – Excavation area at the conclusion of the day's work. Note the fresh product in the exposed groundwater to the right of picture.	

DAILY STATUS REPORT

Prepared By: Alan Mason

WEATHER	Snow		Rain		Overcast	x	Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50		50-70	x	70-85		>85	

BCP No.:	C314121	PVE Project No.:560909	N/A	Date:	10/2/2015
Project Name:	AOC-1 (Power House), Hudson Valley Psychiatric Center, Poughkeepsie, NY				

Consultant: PVE, LLC	Consultant On-Site: Anthony Spadavecchia
General Contractor: Corewood Ventures	General Contractor Contact: Matt Simonetty

Work Activities Performed (Since Last Report):

PVE, LLC (PVE) was retained by EFG/DRA to provide environmental oversight, conduct air monitoring, and to support waste disposal during excavation and soil disposal activities in AOC-1 (Power House) at the Hudson Valley Psychiatric Center (HRPC) in Poughkeepsie, New York (Site). The Site activities, photograph log, disposal, and Site sketches are provided below.

Site Activities:

- Prior to any excavation activities, Buckner Oil Service & Industrial Tank Cleaning Inc (Buckner) used a vacuum truck to pump out approximately 900 gallons of water contaminated with #6 fuel oil.
- Corewood Ventures (Corewood) continued to conduct excavation, segregation and stockpiling of the overlying soil from the former tank containment area which isn't grossly contaminated and presumably meets SCOs.
- Corewood began excavation, segregation and stockpiling of the grossly contaminated underlying soil from the former tank containment area.

Waste Disposal:

- No waste disposal.

Samples Collected (Since Last Report):

- To confirm it appropriate for re-use as backfill, a total of 7 soil samples (5 grabs, 2 comps) were collected from the presumably non-contaminated soil stockpiled in the eastern portion of the tennis court area. Samples were collected in accordance with the frequency and procedures established in DER-10.

Air Monitoring (Since Last Report):

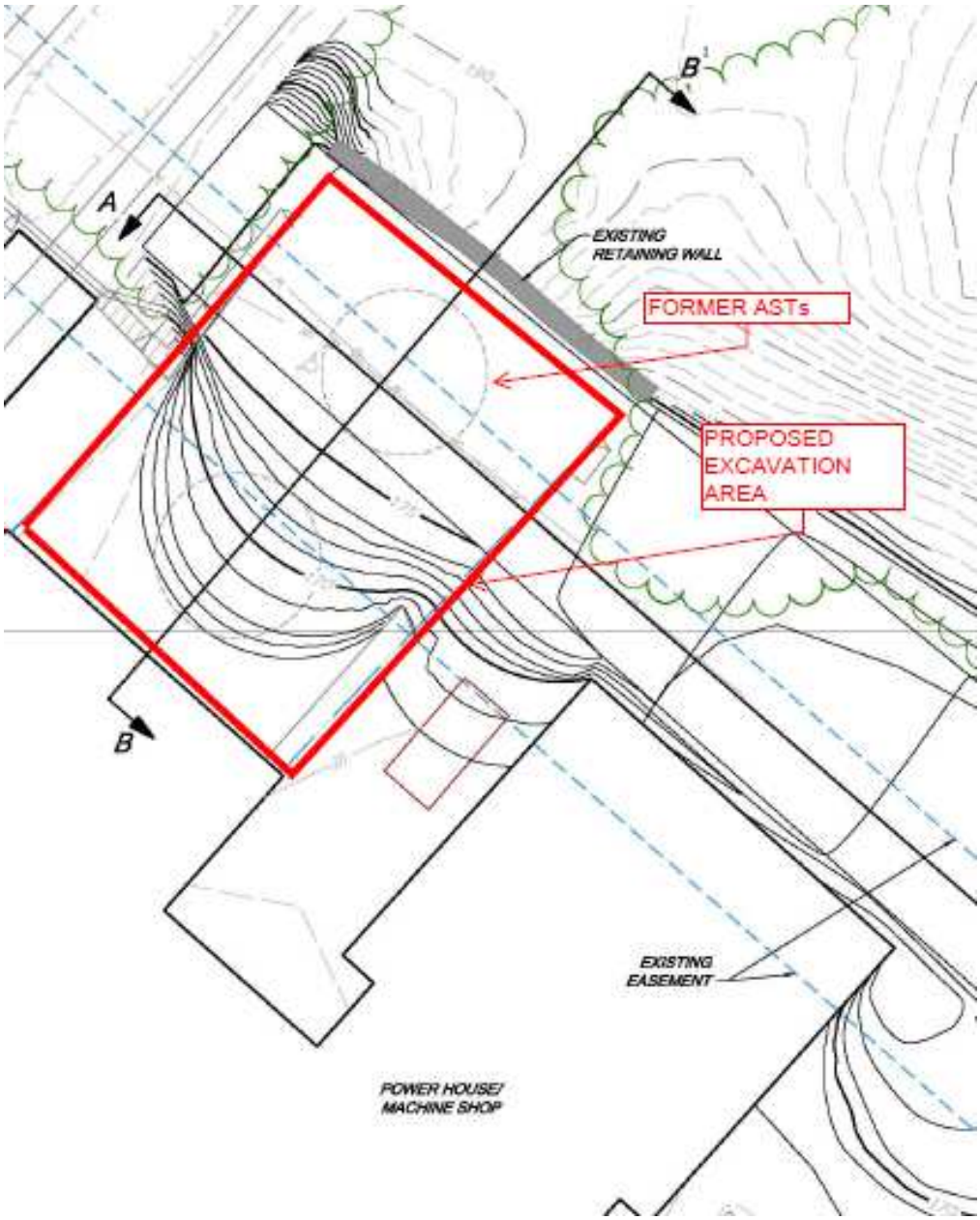
- Air monitoring for particulate matter with particles less than 10 µm in diameter (PM10) and total VOCs was not conducted on Site due to limited excavation activities.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week:
Based on the current schedule, Corewood will continue excavation activities tomorrow.

Facility # Name/ Location Type of Waste Solid Or Liquid	Buckner Oil Service & Industrial Tank Cleaning Inc #6 oil impacted water									
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)		
Today	1	900								
Total	2	1900								

Site Grid Map



TODAY's WASTE DISPOSAL SUMMARY			
Material	**Grid Nos.**	**No. Trucks**	**Disposal Facility**
N/A	**N/A**	**N/A**	**N/A**

Photo Log

Photo 1 – Buckner used a vacuum truck to pump out fresh product from the surface of groundwater.	
Photo 2 – Buckner used a vacuum truck to pump out fresh product from the surface of groundwater.	
Photo 3 – Presumably non-contaminated soil stockpiled in the eastern portion of the tennis court area.	

DAILY STATUS REPORT

Prepared By: Alan Mason

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	x
TEMP.	< 32		32-50		50-70		70-85	x	>85	

BCP No.:	C314121	PVE Project No.:560909	N/A	Date:	10/12/2015
Project Name:	AOC-1 (Power House), Hudson Valley Psychiatric Center, Poughkeepsie, NY				

Consultant: PVE, LLC	Consultant On-Site: Anthony Spadavecchia
General Contractor: Corewood Ventures	General Contractor Contact: Matt Simonetty

Work Activities Performed (Since Last Report):

PVE, LLC (PVE) was retained by EFG/DRA to provide environmental oversight, conduct air monitoring, and to support waste disposal during excavation and soil disposal activities in AOC-1 (Power House) at the Hudson Valley Psychiatric Center (HRPC) in Poughkeepsie, New York (Site). The Site activities, photograph log, disposal, and Site sketches are provided below.

Site Activities:

- Corewood Ventures (Corewood) imported #2 Washed Stone from Dutchess Quarry & Supply for use backfilling over exposed groundwater in the excavation area.

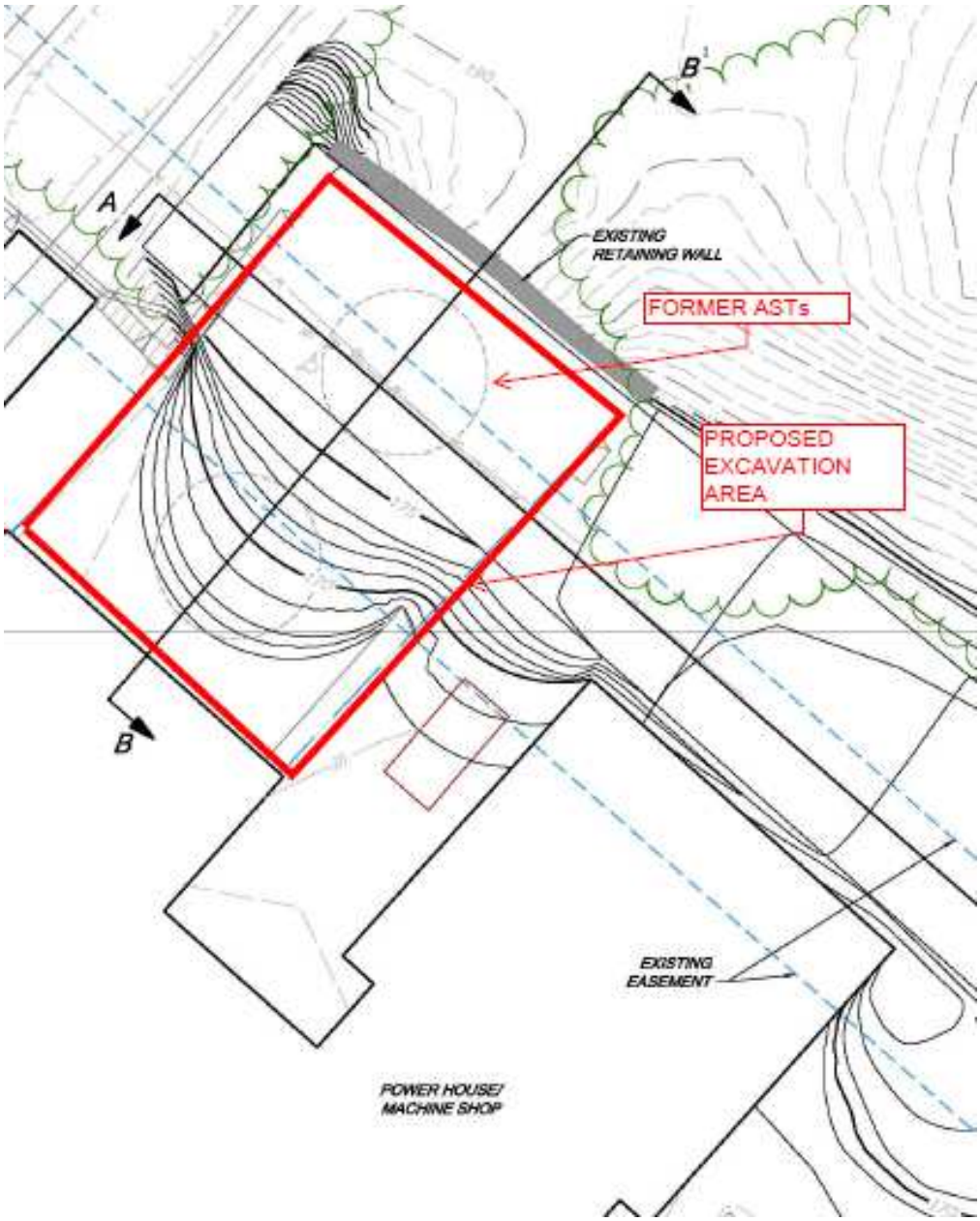
Waste Disposal:

- No waste disposal.

Samples Collected (Since Last Report): • No samples collected.
Air Monitoring (Since Last Report): • Air monitoring for particulate matter with particles less than 10 µm in diameter (PM10) and total VOCs was not conducted on Site due to limited excavation activities.
Problems Encountered: No problems encountered.
Planned Activities for the Next Day/ Week: Based on the current schedule, Corewood will continue excavation activities tomorrow.

Facility # Name/ Location Type of Waste Solid Or Liquid	Buckner Oil Service & Industrial Tank Cleaning Inc #6 oil impacted water									
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)		
Today	0	0								
Total	2	1900								

Site Grid Map



TODAY's WASTE DISPOSAL SUMMARY			
Material	**Grid Nos.**	**No. Trucks**	**Disposal Facility**
N/A	**N/A**	**N/A**	**N/A**

Photo Log

Photo 1 – Corewood importing #2 Washed Stone for backfilling over exposed groundwater in the excavation area.	
Photo 2 – Corewood using #2 Washed Stone for backfilling over exposed groundwater in the excavation area.	
Photo 3 – Corewood using #2 Washed Stone for backfilling over exposed groundwater in the excavation area.	

DAILY STATUS REPORT

Prepared By: Alan Mason

WEATHER	Snow		Rain		Overcast		Partly Cloudy	x	Bright Sun	
TEMP.	< 32		32-50		50-70	x	70-85		>85	

BCP No.:	C314121	PVE Project No.:560909	N/A	Date:	10/15/2015
Project Name:	AOC-1 (Power House), Hudson Valley Psychiatric Center, Poughkeepsie, NY				

Consultant: PVE, LLC	Consultant On-Site: Alan Mason
General Contractor: Corewood Ventures	General Contractor Contact: Matt Simonetty

Work Activities Performed (Since Last Report):

PVE, LLC (PVE) was retained by EFG/DRA to provide environmental oversight, conduct air monitoring, and to support waste disposal during excavation and soil disposal activities in AOC-1 (Power House) at the Hudson Valley Psychiatric Center (HRPC) in Poughkeepsie, New York (Site). The Site activities, photograph log, disposal, and Site sketches are provided below.

Site Activities:

- No excavation activities.

Waste Disposal:

- No waste disposal.

Samples Collected (Since Last Report):

- To confirm it appropriate for disposal at Clean Earth of Carteret, a total of 9 soil samples (8 grabs, 1 comp) were collected from the grossly impacted soil stockpiled in the western portion of the tennis court area. Samples were collected in accordance with the frequency and procedures established by the disposal facilities sampling protocol.

Air Monitoring (Since Last Report):

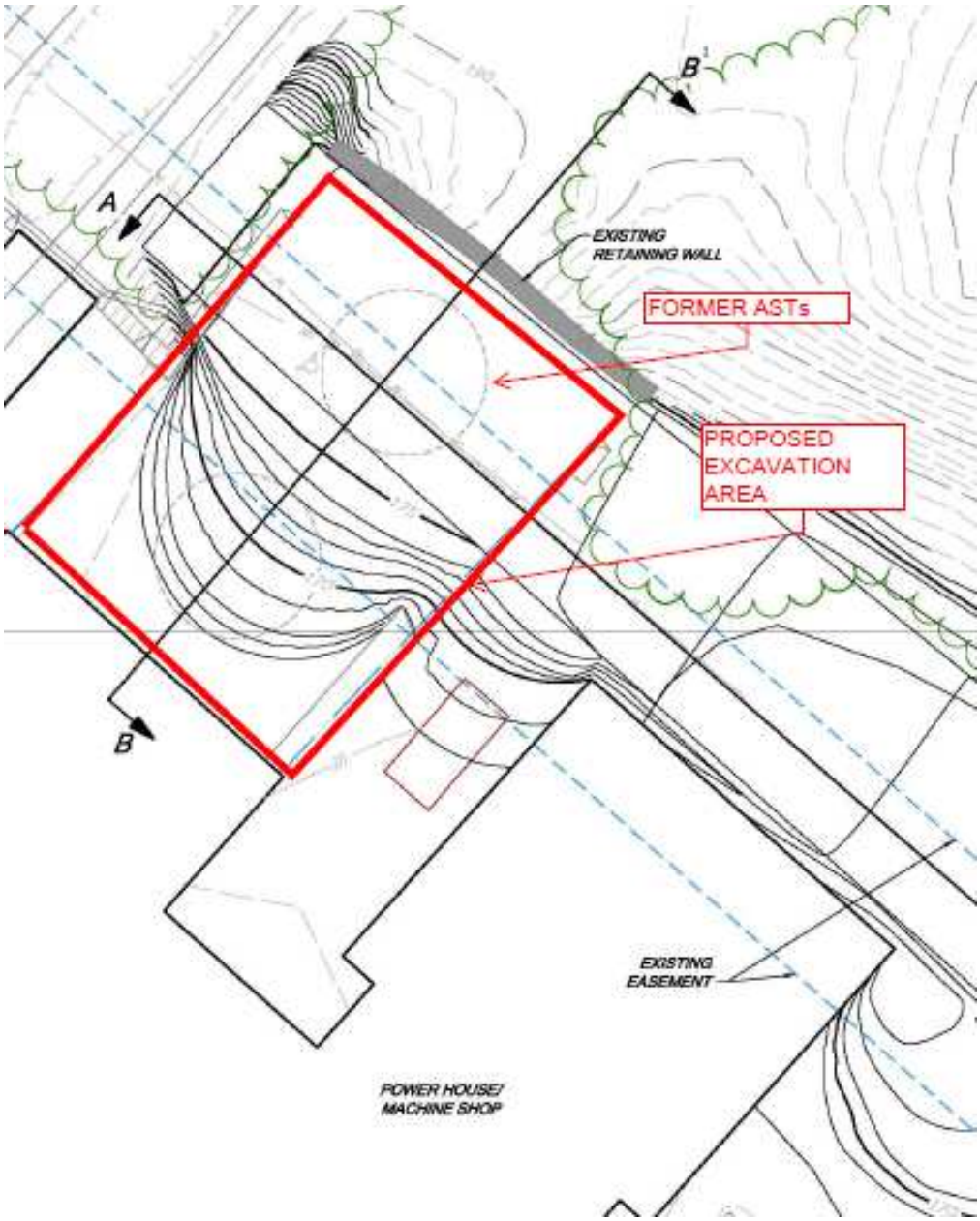
- Air monitoring for particulate matter with particles less than 10 µm in diameter (PM10) and total VOCs was not conducted on Site due to no excavation activities.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week:
Based on the current schedule, Corewood will start backfilling the excavation and disposing of grossly contaminated soil in the coming weeks.

Facility # Name/ Location Type of Waste Solid Or Liquid	Buckner Oil Service & Industrial Tank Cleaning Inc #6 oil impacted water									
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)		
Today	0	0								
Total	2	1900								

Site Grid Map



TODAY's WASTE DISPOSAL SUMMARY			
Material	**Grid Nos.**	**No. Trucks**	**Disposal Facility**
N/A	**N/A**	**N/A**	**N/A**

Photo Log

Photo 1 – No photo available.	
Photo 2 – No photo available.	
Photo 3 – No photo available.	

DAILY STATUS REPORT

Prepared By: Alan Mason

WEATHER	Snow		Rain		Overcast		Partly Cloudy	x	Bright Sun	
TEMP.	< 32		32-50		50-70		70-85	x	>85	

BCP No.:	C314121	PVE Project No.:560909	N/A	Date:	10/21/2015
Project Name:	AOC-1 (Power House), Hudson Valley Psychiatric Center, Poughkeepsie, NY				

Consultant: PVE, LLC	Consultant On-Site: Alan Mason
General Contractor: Corewood Ventures	General Contractor Contact: Matt Simonetty

Work Activities Performed (Since Last Report):

PVE, LLC (PVE) was retained by EFG/DRA to provide environmental oversight, conduct air monitoring, and to support waste disposal during excavation and soil disposal activities in AOC-1 (Power House) at the Hudson Valley Psychiatric Center (HRPC) in Poughkeepsie, New York (Site). The Site activities, photograph log, disposal, and Site sketches are provided below.

Site Activities:

- No excavation activities.

Waste Disposal:

- No waste disposal.

Samples Collected (Since Last Report):

- A total of 2 end-point samples were collected in accordance with the frequency and procedures established in DER-10.

Air Monitoring (Since Last Report):

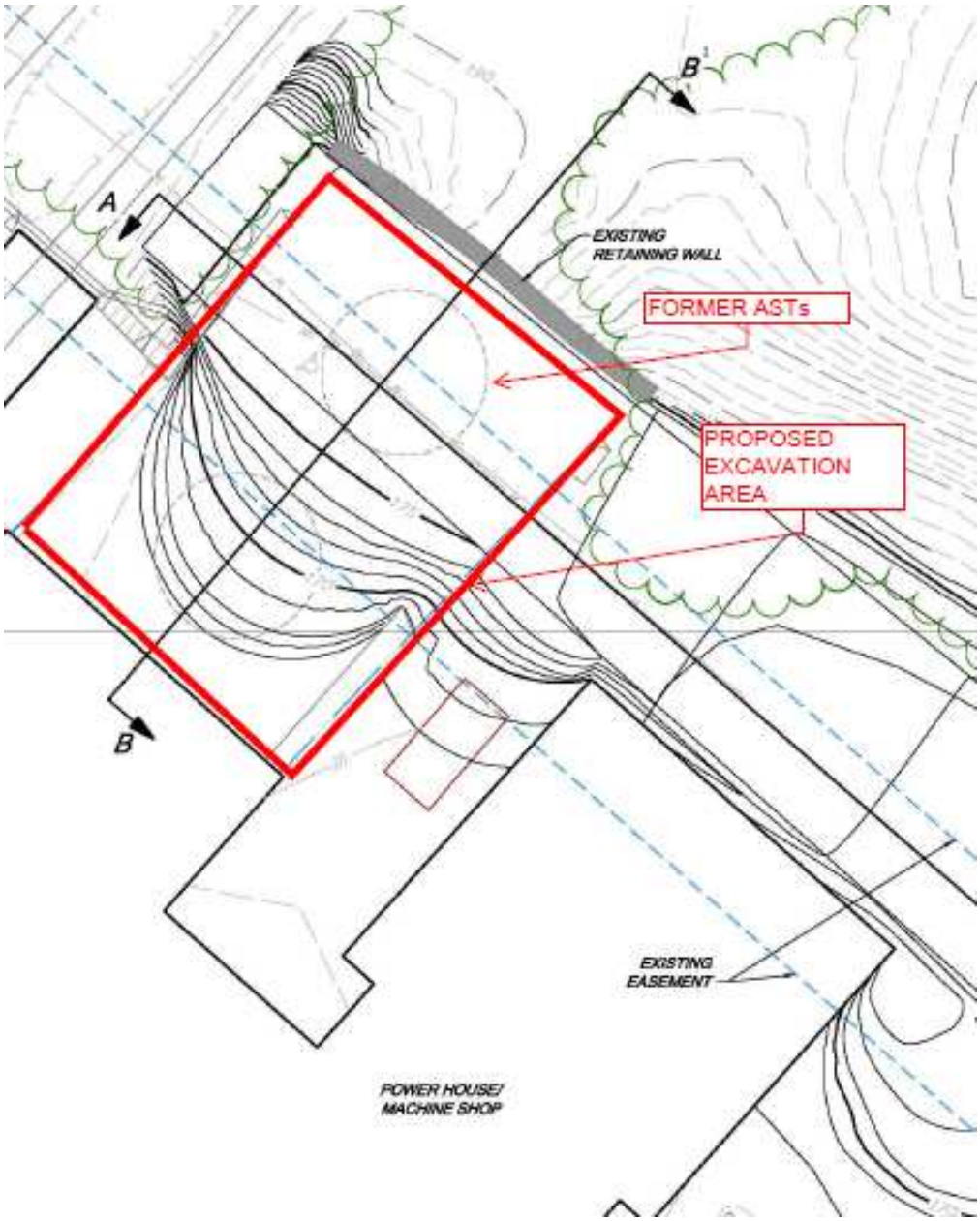
- Air monitoring for particulate matter with particles less than 10 µm in diameter (PM10) and total VOCs was not conducted on Site due to no excavation activities.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week:
Based on the current schedule, Corewood will start backfilling the excavation and disposing of grossly contaminated soil in the coming weeks.

Facility # Name/ Location Type of Waste Solid Or Liquid	Buckner Oil Service & Industrial Tank Cleaning Inc #6 oil impacted water									
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)		
Today	0	0								
Total	2	1900								

Site Grid Map



TODAY's WASTE DISPOSAL SUMMARY			
Material	**Grid Nos.**	**No. Trucks**	**Disposal Facility**
N/A	**N/A**	**N/A**	**N/A**

Photo Log

Photo 1 – No photo available.	
Photo 2 – No photo available.	
Photo 3 – No photo available.	

DAILY STATUS REPORT

Prepared By: Alan Mason

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	x
TEMP.	< 32		32-50		50-70	x	70-85		>85	

BCP No.:	C314121	PVE Project No.:560909	N/A	Date:	10/26/2015
Project Name:	AOC-1 (Power House), Hudson Valley Psychiatric Center, Poughkeepsie, NY				

Consultant: PVE, LLC	Consultant On-Site: Alan Mason
General Contractor: Corewood Ventures	General Contractor Contact: Matt Simonetty

Work Activities Performed (Since Last Report):

PVE, LLC (PVE) was retained by EFG/DRA to provide environmental oversight, conduct air monitoring, and to support waste disposal during excavation and soil disposal activities in AOC-1 (Power House) at the Hudson Valley Psychiatric Center (HRPC) in Poughkeepsie, New York (Site). The Site activities, photograph log, disposal, and Site sketches are provided below.

Site Activities:

- Corewood Ventures (Corewood) used non-contaminated soil stockpiled on-site to backfill the excavation area. This soil was previously excavated as the overlying soil from the former tank containment area which wasn't grossly contaminated. Samples collected from this stockpile confirmed the soil met site-specific SCOs and NYSDEC approved it for re-use on-site.

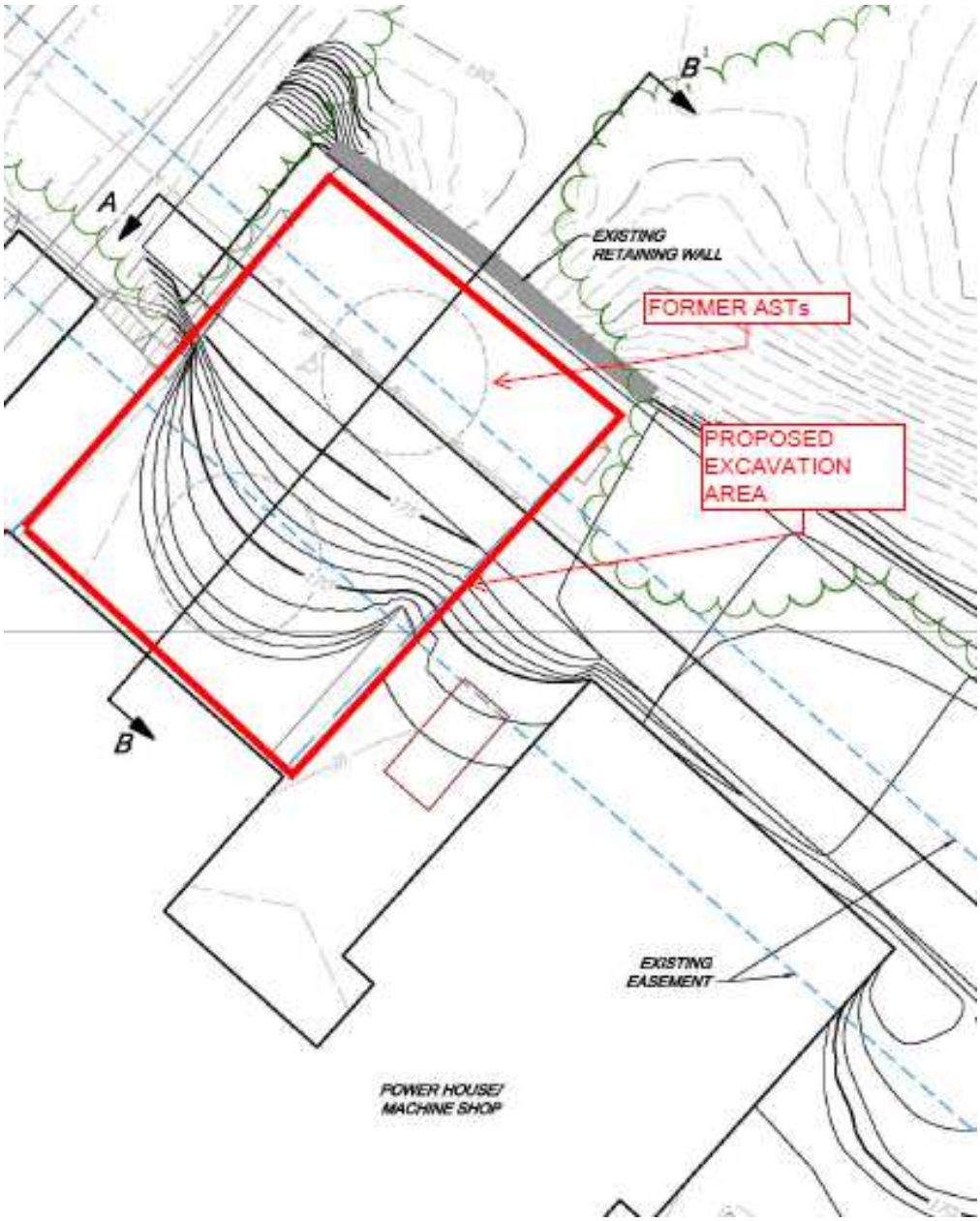
Waste Disposal:

- No waste disposal.

Samples Collected (Since Last Report): • No samples collected.
Air Monitoring (Since Last Report): • Air monitoring for particulate matter with particles less than 10 µm in diameter (PM10) and total VOCs was conducted on Site. o No 15-minute running average PM10 or total VOC concentrations were detected above the background (upwind) concentrations during air monitoring at the downwind air-monitoring station.
Problems Encountered: No problems encountered.
Planned Activities for the Next Day/ Week: Based on the current schedule, Corewood will continue backfilling the excavation tomorrow.

Facility # Name/ Location Type of Waste Solid Or Liquid	Buckner Oil Service & Industrial Tank Cleaning Inc #6 oil impacted water									
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)		
Today	0	0								
Total	2	1900								

Site Grid Map



TODAY's WASTE DISPOSAL SUMMARY			
Material	**Grid Nos.**	**No. Trucks**	**Disposal Facility**
N/A	**N/A**	**N/A**	**N/A**

Photo Log

Photo 1 – Corewood loading non-contaminated soil for use backfilling the excavation area.	
Photo 2 – Corewood spreading out non-contaminated soil as backfill in the excavation area.	
Photo 3 – Corewood compacting non-contaminated soil as backfill in the excavation area.	

DAILY STATUS REPORT

Prepared By: Alan Mason

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	x
TEMP.	< 32		32-50		50-70	x	70-85		>85	

BCP No.:	C314121	PVE Project No.:560909	N/A	Date:	10/27/2015
Project Name:	AOC-1 (Power House), Hudson Valley Psychiatric Center, Poughkeepsie, NY				

Consultant: PVE, LLC	Consultant On-Site: Alan Mason
General Contractor: Corewood Ventures	General Contractor Contact: Matt Simonetty

Work Activities Performed (Since Last Report):

PVE, LLC (PVE) was retained by EFG/DRA to provide environmental oversight, conduct air monitoring, and to support waste disposal during excavation and soil disposal activities in AOC-1 (Power House) at the Hudson Valley Psychiatric Center (HRPC) in Poughkeepsie, New York (Site). The Site activities, photograph log, disposal, and Site sketches are provided below.

Site Activities:

- Corewood Ventures (Corewood) used non-contaminated soil stockpiled on-site to backfill the excavation area. This soil was previously excavated as the overlying soil from the former tank containment area which wasn't grossly contaminated. Samples collected from this stockpile confirmed the soil met site-specific SCOs and NYSDEC approved it for re-use on-site.
- Corewood imported Item 4 RCA from Recycle Depot for construction of a minimum 2-feet thick soil cap over the excavation area.

Waste Disposal:

- No waste disposal.

Samples Collected (Since Last Report):

- No samples collected.

Air Monitoring (Since Last Report):

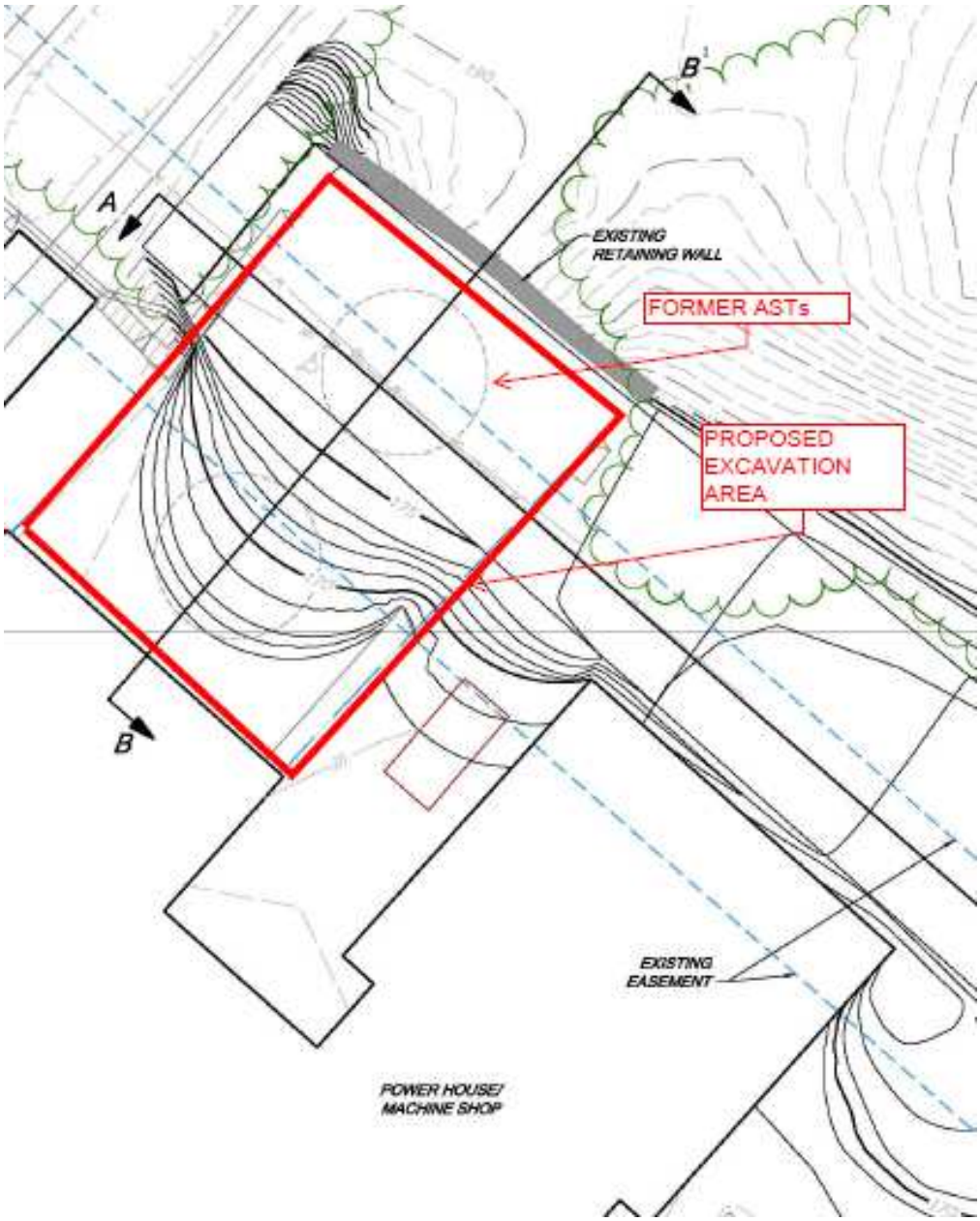
- Air monitoring for particulate matter with particles less than 10 µm in diameter (PM10) and total VOCs was conducted on Site.
  - No 15-minute running average PM10 or total VOC concentrations were detected above the background (upwind) concentrations during air monitoring at the downwind air-monitoring station.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week:
Based on the current schedule, Corewood will continue construction of the minimum 2-feet thick soil cap tomorrow.

Facility # Name/ Location Type of Waste Solid Or Liquid	Buckner Oil Service & Industrial Tank Cleaning Inc #6 oil impacted water									
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)		
Today	0	0								
Total	2	1900								

Site Grid Map



TODAY's WASTE DISPOSAL SUMMARY			
Material	**Grid Nos.**	**No. Trucks**	**Disposal Facility**
N/A	**N/A**	**N/A**	**N/A**

Photo Log

Photo 1 – Corewood spreading out non-contaminated soil as backfill in the excavation area.	
Photo 2 – All non-contaminated soil now used to backfill the excavation (stockpile now gone).	
Photo 3 – Corewood spreading out Item 4 RCA for construction of a minimum 2-feet thick soil cap over the excavation area.	

DAILY STATUS REPORT

Prepared By: Alan Mason

WEATHER	Snow		Rain		Overcast	x	Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50		50-70	x	70-85		>85	

BCP No.:	C314121	PVE Project No.:560909	N/A	Date:	10/28/2015
Project Name:	AOC-1 (Power House), Hudson Valley Psychiatric Center, Poughkeepsie, NY				

Consultant: PVE, LLC	Consultant On-Site: Alan Mason
General Contractor: Corewood Ventures	General Contractor Contact: Matt Simonetty

Work Activities Performed (Since Last Report):

PVE, LLC (PVE) was retained by EFG/DRA to provide environmental oversight, conduct air monitoring, and to support waste disposal during excavation and soil disposal activities in AOC-1 (Power House) at the Hudson Valley Psychiatric Center (HRPC) in Poughkeepsie, New York (Site). The Site activities, photograph log, disposal, and Site sketches are provided below.

Site Activities:

- Corewood Ventures (Corewood) imported Item 4 RCA from Recycle Depot for construction of a minimum 2-feet thick soil cap over the excavation area.
- Concrete exposed during excavation activities was stockpiled adjacent to the excavation area.

Waste Disposal:

- No waste disposal.

Samples Collected (Since Last Report):

- No samples collected.

Air Monitoring (Since Last Report):

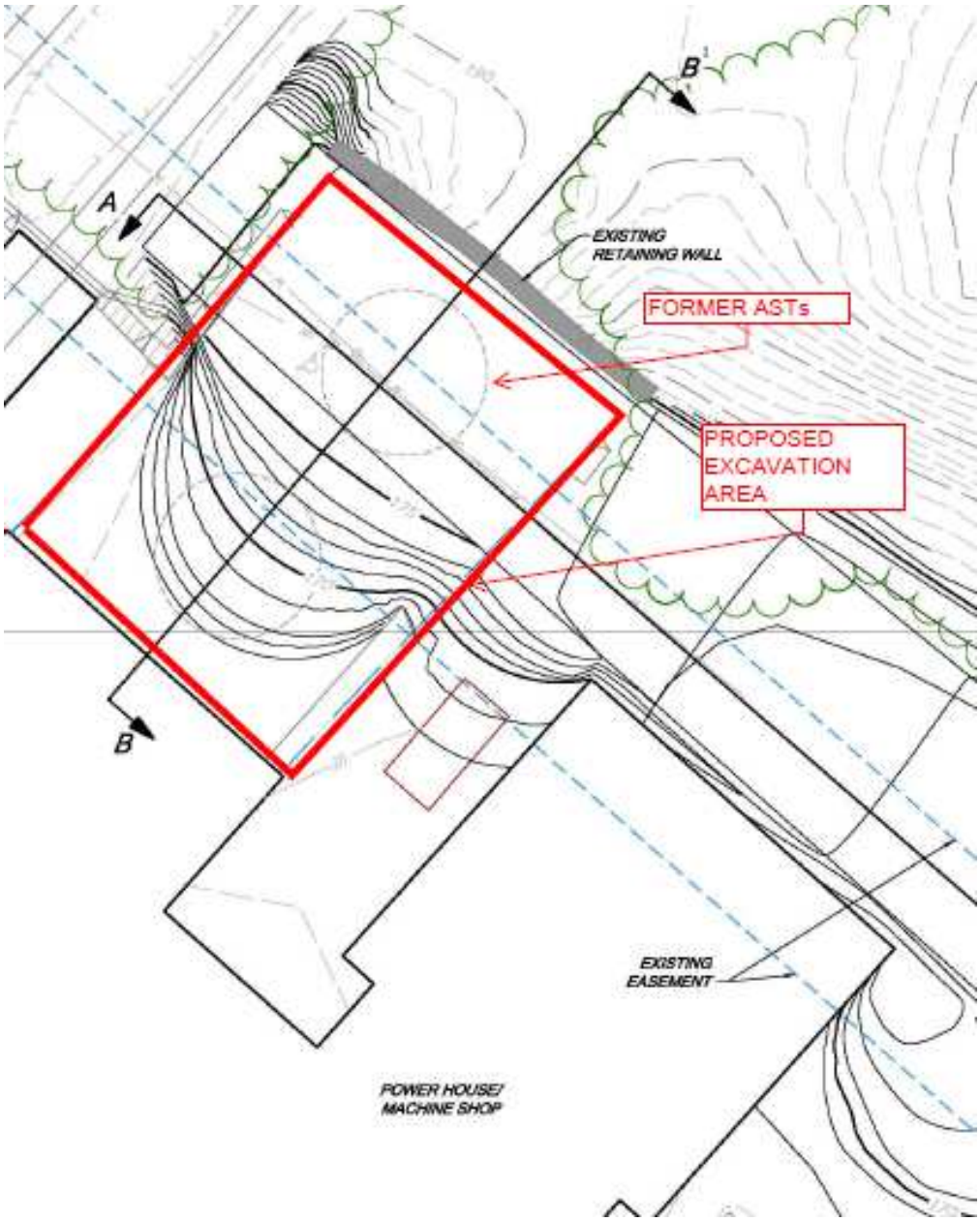
- Air monitoring for particulate matter with particles less than 10 µm in diameter (PM10) and total VOCs was conducted on Site.
  - No 15-minute running average PM10 or total VOC concentrations were detected above the background (upwind) concentrations during air monitoring at the downwind air-monitoring station.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week:
Based on the current schedule, Corewood will start reinstalling the waterline tomorrow.

Facility # Name/ Location Type of Waste Solid Or Liquid	Buckner Oil Service & Industrial Tank Cleaning Inc #6 oil impacted water									
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)		
Today	0	0								
Total	2	1900								

Site Grid Map



TODAY's WASTE DISPOSAL SUMMARY			
Material	**Grid Nos.**	**No. Trucks**	**Disposal Facility**
N/A	**N/A**	**N/A**	**N/A**

Photo Log

Photo 1 – Corewood spreading out Item 4 RCA as backfill for the minimum 2-feet thick soil cap over the excavation area.	
Photo 2 – Excavating and stockpiling concrete adjacent to the excavation area.	
Photo 3 –	

DAILY STATUS REPORT

Prepared By: Alan Mason

WEATHER	Snow		Rain		Overcast		Partly Cloudy	x	Bright Sun	
TEMP.	< 32		32-50		50-70	x	70-85		>85	

BCP No.:	C314121	PVE Project No.:560909	N/A	Date:	10/29/2015
Project Name:	AOC-1 (Power House), Hudson Valley Psychiatric Center, Poughkeepsie, NY				

Consultant: PVE, LLC	Consultant On-Site: Alan Mason
General Contractor: Corewood Ventures	General Contractor Contact: Matt Simonetty

Work Activities Performed (Since Last Report):

PVE, LLC (PVE) was retained by EFG/DRA to provide environmental oversight, conduct air monitoring, and to support waste disposal during excavation and soil disposal activities in AOC-1 (Power House) at the Hudson Valley Psychiatric Center (HRPC) in Poughkeepsie, New York (Site). The Site activities, photograph log, disposal, and Site sketches are provided below.

Site Activities:

- Corewood Ventures (Corewood) started reinstalling the waterline running through the excavation area.
- Corewood imported Item #1 Washed Stone from Dutchess Quarry & Supply for backfilling around the new waterline.

Waste Disposal:

- No waste disposal.

Samples Collected (Since Last Report):

- No samples collected.

Air Monitoring (Since Last Report):

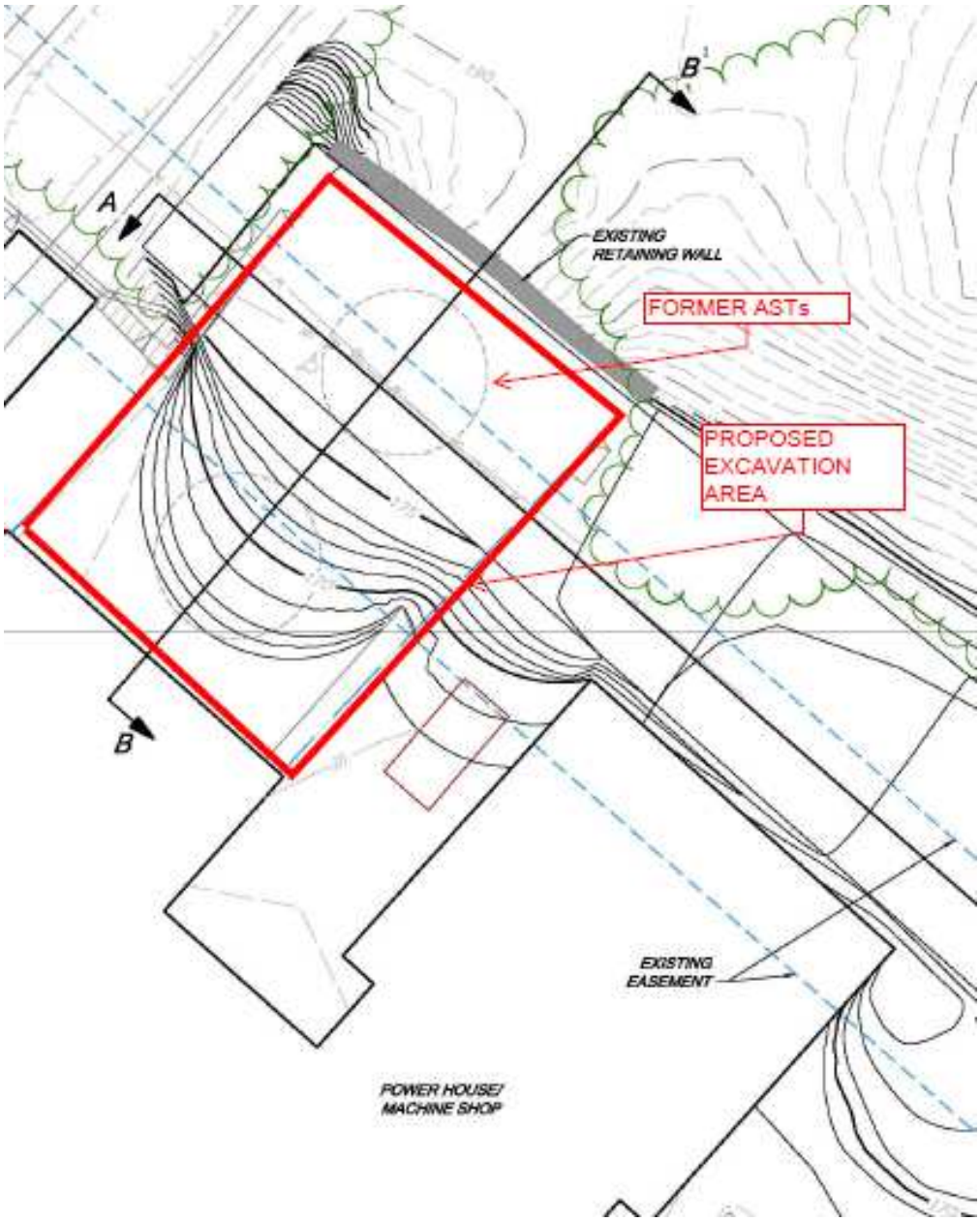
- Air monitoring for particulate matter with particles less than 10 µm in diameter (PM10) and total VOCs was conducted on Site.
  - No 15-minute running average PM10 or total VOC concentrations were detected above the background (upwind) concentrations during air monitoring at the downwind air-monitoring station.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week:
Based on the current schedule, Corewood will continue reinstalling the waterline tomorrow.

Facility # Name/ Location Type of Waste Solid Or Liquid	Buckner Oil Service & Industrial Tank Cleaning Inc #6 oil impacted water									
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)		
Today	0	0								
Total	2	1900								

Site Grid Map



TODAY's WASTE DISPOSAL SUMMARY			
Material	**Grid Nos.**	**No. Trucks**	**Disposal Facility**
N/A	**N/A**	**N/A**	**N/A**

Photo Log

Photo 1 – Corewood spreading out Item 4 RCA as backfill for the minimum 2-feet thick soil cap over the excavation area.	
Photo 2 – Excavating and stockpiling concrete adjacent to the excavation area.	
Photo 3 –	

DAILY STATUS REPORT

Prepared By: Alan Mason

WEATHER	Snow		Rain		Overcast		Partly Cloudy	x	Bright Sun	
TEMP.	< 32		32-50		50-70	x	70-85		>85	

BCP No.:	C314121	PVE Project No.:560909	N/A	Date:	10/30/2015
Project Name:	AOC-1 (Power House), Hudson Valley Psychiatric Center, Poughkeepsie, NY				

Consultant: PVE, LLC	Consultant On-Site: Alan Mason
General Contractor: Corewood Ventures	General Contractor Contact: Matt Simonetty

Work Activities Performed (Since Last Report):

PVE, LLC (PVE) was retained by EFG/DRA to provide environmental oversight, conduct air monitoring, and to support waste disposal during excavation and soil disposal activities in AOC-1 (Power House) at the Hudson Valley Psychiatric Center (HRPC) in Poughkeepsie, New York (Site). The Site activities, photograph log, disposal, and Site sketches are provided below.

Site Activities:

- Corewood Ventures (Corewood) continued reinstalling the waterline running through the excavation area.

Waste Disposal:

- No waste disposal.

Samples Collected (Since Last Report):

- No samples collected.

Air Monitoring (Since Last Report):

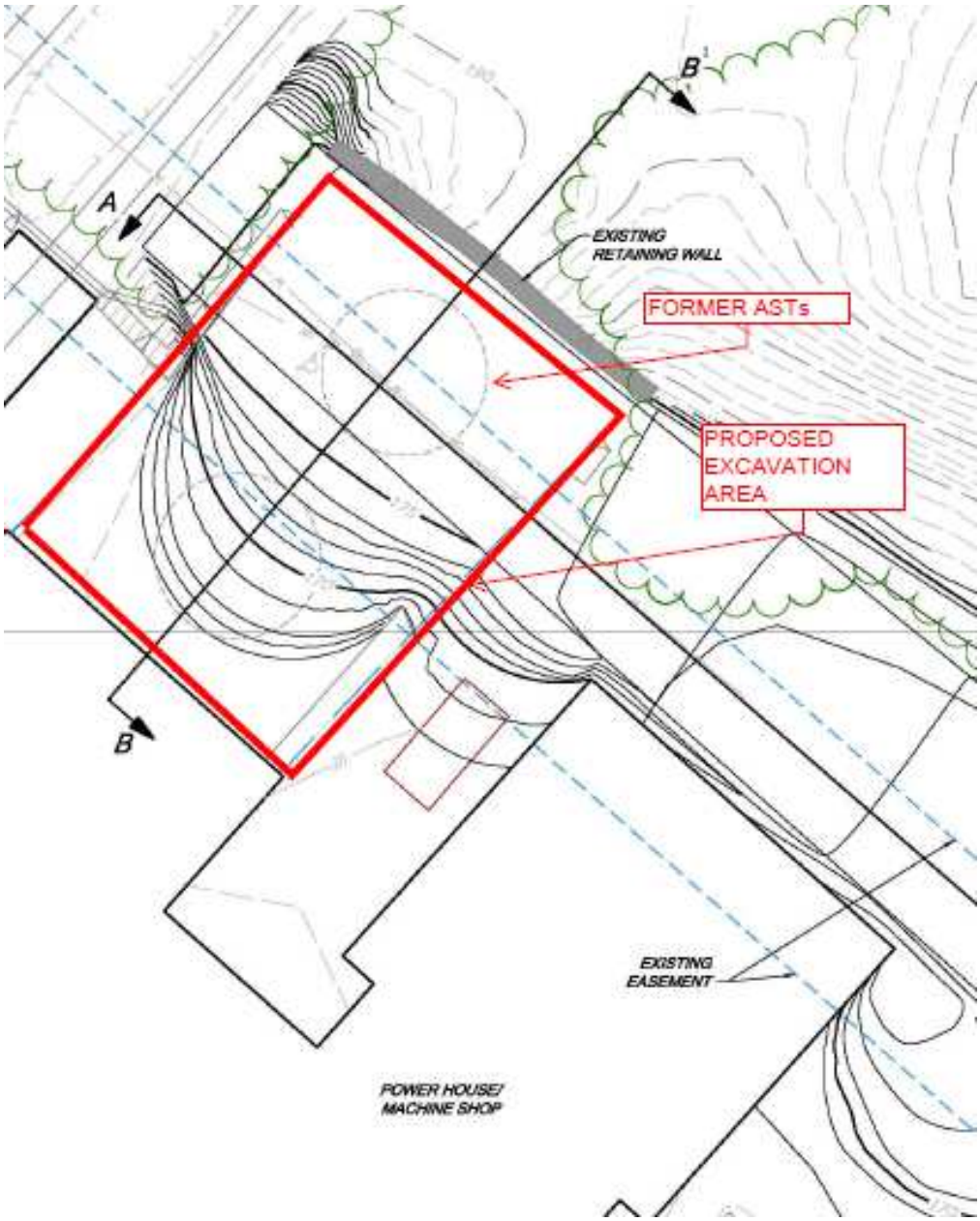
- Air monitoring for particulate matter with particles less than 10 µm in diameter (PM10) and total VOCs was conducted on Site.
  - No 15-minute running average PM10 or total VOC concentrations were detected above the background (upwind) concentrations during air monitoring at the downwind air-monitoring station.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week:
Based on the current schedule, Corewood will be on-site in the next week or two to load grossly contaminated soil for off-site disposal.

Facility # Name/ Location Type of Waste Solid Or Liquid	Buckner Oil Service & Industrial Tank Cleaning Inc #6 oil impacted water									
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)		
Today	0	0								
Total	2	1900								

Site Grid Map



TODAY's WASTE DISPOSAL SUMMARY			
Material	**Grid Nos.**	**No. Trucks**	**Disposal Facility**
N/A	**N/A**	**N/A**	**N/A**

Photo Log

Photo 1 – Corewood backfilling around the newly installed waterline.	
Photo 2 – Corewood backfilling around the newly installed waterline.	
Photo 3 – Using the roller to compact the backfilled excavation area.	

DAILY STATUS REPORT

Prepared By: Alan Mason

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	x
TEMP.	< 32		32-50		50-70	x	70-85		>85	

BCP No.:	C314121	PVE Project No.:560909	N/A	Date:	11/9/2015
Project Name:	AOC-1 (Power House), Hudson Valley Psychiatric Center, Poughkeepsie, NY				

Consultant: PVE, LLC	Consultant On-Site: Alan Mason
General Contractor: Corewood Ventures	General Contractor Contact: Matt Simonetty

Work Activities Performed (Since Last Report):

PVE, LLC (PVE) was retained by EFG/DRA to provide environmental oversight, conduct air monitoring, and to support waste disposal during excavation and soil disposal activities in AOC-1 (Power House) at the Hudson Valley Psychiatric Center (HRPC) in Poughkeepsie, New York (Site). The Site activities, photograph log, disposal, and Site sketches are provided below.

Site Activities:

- Corewood Ventures (Corewood) loaded trucks with grossly contaminated soil stockpiled in the western portion of the tennis court area.

Waste Disposal:

- Grossly contaminated soil excavated from the underlying portion of the excavation area was loaded into 10 trucks and transported to the Clean Earth of Carteret (Clean Earth) facility located in Carteret, New Jersey for off-site soil disposal.

Samples Collected (Since Last Report):

- No samples collected.

Air Monitoring (Since Last Report):

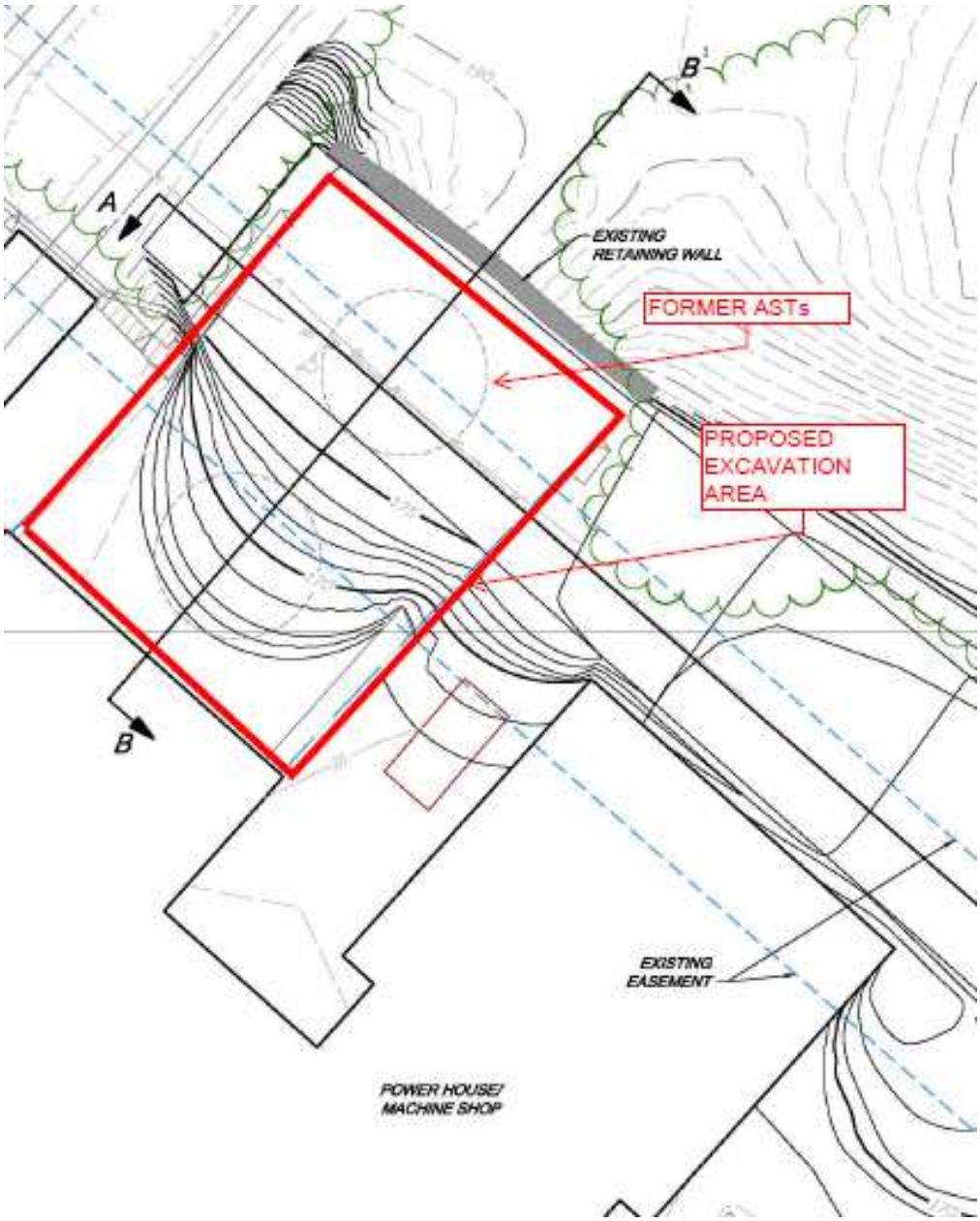
- Air monitoring for particulate matter with particles less than 10 µm in diameter (PM10) and total VOCs was conducted on Site.
  - No 15-minute running average PM10 or total VOC concentrations were detected above the background (upwind) concentrations during air monitoring at the downwind air-monitoring station.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week:
Based on the current schedule, Corewood will be on-site to continue loading grossly contaminated soil for off-site disposal.

Facility # Name/ Location Type of Waste Solid Or Liquid	Buckner Oil Service & Industrial Tank Cleaning Inc #6 oil impacted water									
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)		
Today	0	0	10	250						
Total	2	1900	10	250						

Site Grid Map



TODAY's WASTE DISPOSAL SUMMARY			
Material	**Grid Nos.**	**No. Trucks**	**Disposal Facility**
Grossly Contaminated Soil	**N/A**	**10**	**Clean Earth of Carteret**

Photo Log

Photo 1 – Loading trucks with grossly contaminated soil for off-site disposal.	
Photo 2 – Loading trucks with grossly contaminated soil for off-site disposal.	
Photo 3 – Loading trucks with grossly contaminated soil for off-site disposal.	

DAILY STATUS REPORT

Prepared By: Alan Mason

WEATHER	Snow		Rain		Overcast	x	Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50	x	50-70		70-85		>85	

BCP No.:	C314121	PVE Project No.:560909	N/A	Date:	11/10/2015
Project Name:	AOC-1 (Power House), Hudson Valley Psychiatric Center, Poughkeepsie, NY				

Consultant: PVE, LLC	Consultant On-Site: Alan Mason
General Contractor: Corewood Ventures	General Contractor Contact: Matt Simonetty

Work Activities Performed (Since Last Report):

PVE, LLC (PVE) was retained by EFG/DRA to provide environmental oversight, conduct air monitoring, and to support waste disposal during excavation and soil disposal activities in AOC-1 (Power House) at the Hudson Valley Psychiatric Center (HRPC) in Poughkeepsie, New York (Site). The Site activities, photograph log, disposal, and Site sketches are provided below.

Site Activities:

- Corewood Ventures (Corewood) loaded trucks with grossly contaminated soil stockpiled in the western portion of the tennis court area.

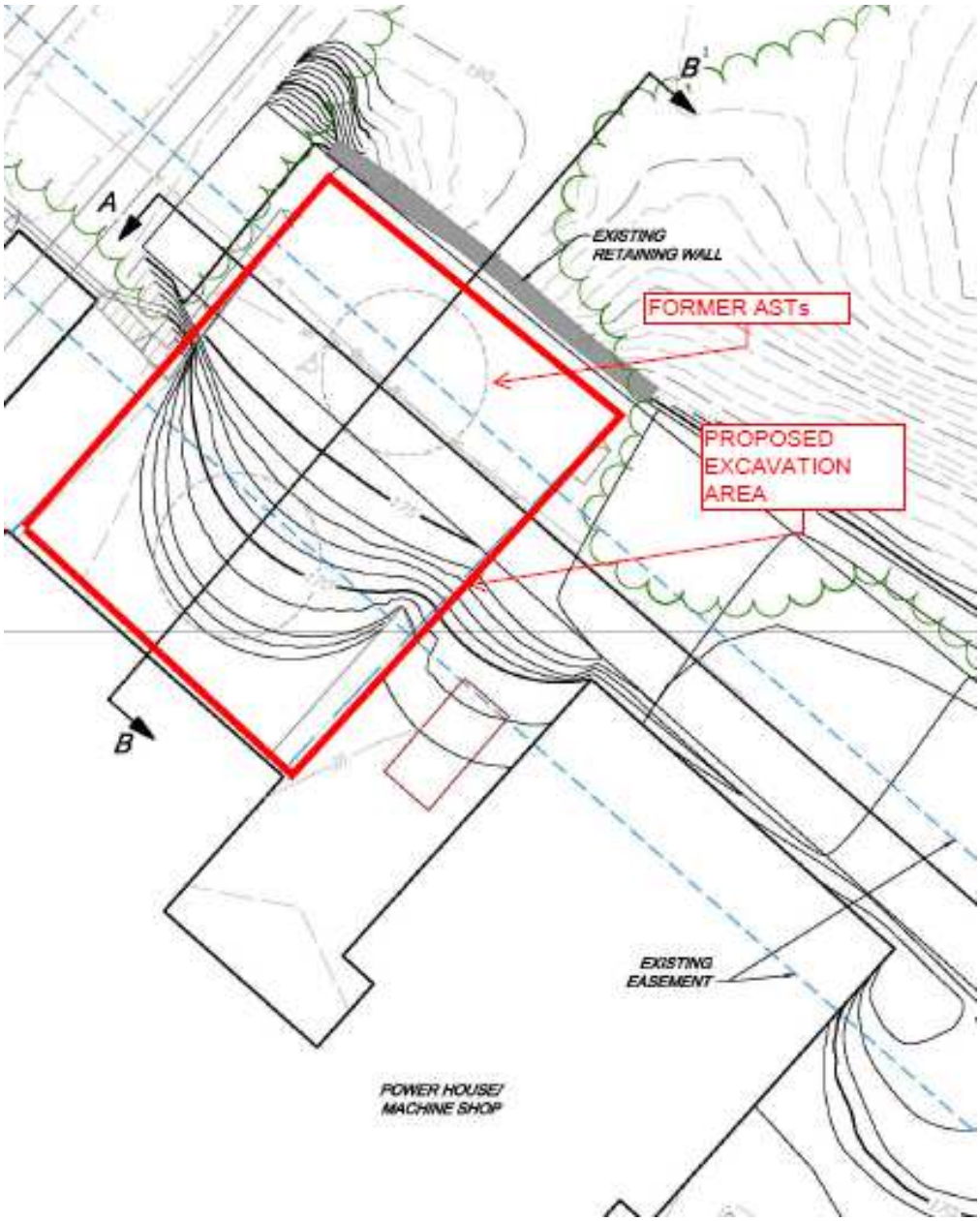
Waste Disposal:

- Grossly contaminated soil excavated from the underlying portion of the excavation area was loaded into 16 trucks and transported to the Clean Earth of Carteret (Clean Earth) facility located in Carteret, New Jersey for off-site soil disposal.

Samples Collected (Since Last Report): • No samples collected.
Air Monitoring (Since Last Report): • Air monitoring for particulate matter with particles less than 10 µm in diameter (PM10) and total VOCs was conducted on Site. o No 15-minute running average PM10 or total VOC concentrations were detected above the background (upwind) concentrations during air monitoring at the downwind air-monitoring station.
Problems Encountered: No problems encountered.
Planned Activities for the Next Day/ Week: Based on the current schedule, Corewood will be on-site in the coming days to finish constructing the soil cap.

Facility # Name/ Location Type of Waste Solid Or Liquid	Buckner Oil Service & Industrial Tank Cleaning Inc #6 oil impacted water									
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)		
Today	0	0	16	400						
Total	2	1900	26	650						

Site Grid Map



TODAY's WASTE DISPOSAL SUMMARY			
Material	**Grid Nos.**	**No. Trucks**	**Disposal Facility**
Grossly Contaminated Soil	**N/A**	**16**	**Clean Earth of Carteret**

Photo Log

Photo 1 – Loading trucks with grossly contaminated soil for off-site disposal.	
Photo 2 – Loading trucks with grossly contaminated soil for off-site disposal.	
Photo 3 – Loading trucks with grossly contaminated soil for off-site disposal.	

DAILY STATUS REPORT

Prepared By: Alan Mason

WEATHER	Snow		Rain		Overcast	x	Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50	x	50-70		70-85		>85	

BCP No.:	C314121	PVE Project No.:560909	N/A	Date:	11/12/2015
Project Name:	AOC-1 (Power House), Hudson Valley Psychiatric Center, Poughkeepsie, NY				

Consultant: PVE, LLC	Consultant On-Site: Alan Mason
General Contractor: Corewood Ventures	General Contractor Contact: Matt Simonetty

Work Activities Performed (Since Last Report):

PVE, LLC (PVE) was retained by EFG/DRA to provide environmental oversight, conduct air monitoring, and to support waste disposal during excavation and soil disposal activities in AOC-1 (Power House) at the Hudson Valley Psychiatric Center (HRPC) in Poughkeepsie, New York (Site). The Site activities, photograph log, disposal, and Site sketches are provided below.

Site Activities:

- Corewood Ventures (Corewood) imported Item 4 RCA from Recycle Depot for construction of a minimum 2-feet thick soil cap over the excavation area.

Waste Disposal:

- No waste disposal.

Samples Collected (Since Last Report):

- No samples collected.

Air Monitoring (Since Last Report):

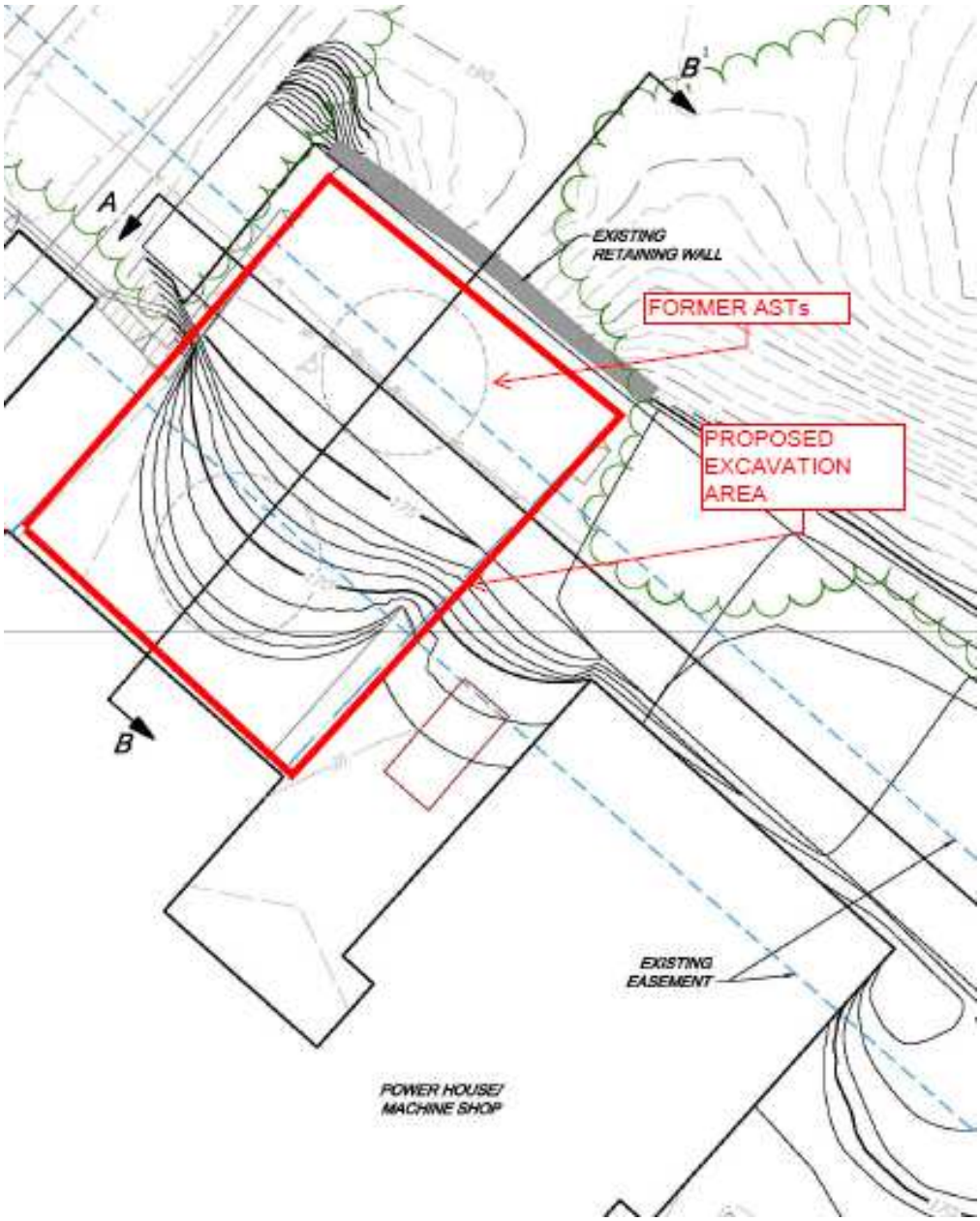
- Air monitoring for particulate matter with particles less than 10 µm in diameter (PM10) and total VOCs was not conducted on Site due to only limited excavation activities.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week:
Project is complete.

Facility # Name/ Location Type of Waste Solid Or Liquid	Buckner Oil Service & Industrial Tank Cleaning Inc #6 oil impacted water									
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)	Trucks	Cu. Yds. (approx.)		
Today	0	0	0	0						
Total	2	1900	26	650						

Site Grid Map



TODAY's WASTE DISPOSAL SUMMARY			
Material	**Grid Nos.**	**No. Trucks**	**Disposal Facility**
N/A	**N/A**	**N/A**	**N/A**

Photo Log

Photo 1 – Excavation area backfilled with Item 4 RCA for construction of the minimum 2-feet thick soil cap.	
Photo 2 – Excavation area backfilled with Item 4 RCA for construction of the minimum 2-feet thick soil cap.	
Photo 3 – All stockpiled soil either re-used (non-contaminated) or disposed of off-site (grossly contaminated). Tennis court area returned to prior condition.	

Appendix F:

Soil Disposal Log

Soil Disposal Details
AOC-1 - Powerhouse - Interim Remedial Measure (IRM) - Excavation and Disposal of Petroleum Contaminated Soil
Hudson River Psychiatric Center - North BCP Site, Poughkeepsie, NY
PVE, LLC File #560909

Total Loads to "Clean Earth of Carteret"	26 loads					Total Tons to "Clean Earth of Carteret"	716.71 tons			Total "Petroleum Contaminated Soil"	716.71 tons		
Total Loads	**26** loads					**Average Tons per Load**	**27.57** tons			**Total Soil Disposed**	**716.71** tons		
LOAD COUNTER	**DATE**	**TRUCKING COMPANY**	**NJ Part 364 Permit No.**	**TRUCK LICENSE PLATE STATE**	**TRUCK LICENSE PLATE NUMBER**	**MANIFEST NUMBER**	**GRID NUMBER**	**MATERIAL TYPE**	**DISPOSAL FACILITY**	**COUNTERSIGNED MANIFEST/WEIGHT TICKET RECEIEVED**	**COUNTERSIGNED MANIFEST/WEIGHT TICKET**	**AMOUNT DISPOSED OFF-SITE (TON)**	**COMMENTS**
1	11/9/2015	TEV Trucking	NJ-662	NJ	AR239E	1247606	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	25.36	N/A
2	11/9/2015	Blade Trucking	NJ-662	NJ	AL349A	1247607	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	27.32	N/A
3	11/9/2015	Valiant Contracting	NJ-896	NJ	AS961S	1247608	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	29.04	N/A
4	11/9/2015	Valiant Contracting	NJ-896	NJ	AP232W	1247609	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	29.04	N/A
5	11/9/2015	TEV Trucking	NJ-662	NJ	AM714Y	1247610	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	27.97	N/A
6	11/9/2015	TEV Trucking	NJ-662	NJ	AR493G	1247611	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	24.72	N/A
7	11/9/2015	Valiant Contracting	NJ-896	NJ	AS671T	1247612	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	26.04	N/A
8	11/9/2015	Valiant Contracting	NJ-896	NJ	AS962S	1247613	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	30.24	N/A
9	11/9/2015	Lucas Trucking	N/A	NJ	AS234V	1247614	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	31.47	N/A
10	11/9/2015	H&M Trucking	N/A	NJ	AS809L	1247615	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	26.82	N/A
11	11/10/2015	Lucas Trucking	N/A	NJ	AS234V	1247616	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	32.48	N/A
12	11/10/2015	Valiant Contracting	NJ-896	NJ	AS569L	1247617	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	33.83	N/A
13	11/10/2015	HKS Trucking	N/A	NJ	AS256T	1247618	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	30.77	N/A
14	11/10/2015	Valiant Contracting	NJ-896	NJ	AP232W	1247619	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	32.45	N/A
15	11/10/2015	Valiant Contracting	NJ-896	NJ	AP806U	1247620	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	31.49	N/A
16	11/10/2015	Valiant Contracting	NJ-896	NJ	AS571L	1247621	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	26.93	N/A
17	11/10/2015	HKS Trucking	N/A	NJ	AS663S	1247622	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	32.86	N/A
18	11/10/2015	Valiant Contracting	NJ-896	NJ	AS960S	1247623	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	30.95	N/A
19	11/10/2015	Valiant Contracting	NJ-896	NJ	AS231C	1247624	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	24.53	N/A
20	11/10/2015	Valiant Contracting	NJ-896	NJ	AP472T	1247625	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	28.95	N/A
21	11/10/2015	H&M Trucking	N/A	NJ	AS809L	1247628	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	6.34	N/A
22	11/10/2015	Valiant Contracting	NJ-896	NJ	AS446T	1247629	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	8.69	N/A
23	11/10/2015	Lucas Trucking	N/A	NJ	AS234V	1247630	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	29.63	N/A
24	11/10/2015	Valiant Contracting	NJ-896	NJ	AS966S	1247631	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	26.40	N/A
25	11/10/2015	H&M Trucking	N/A	NJ	AS809L	1247632	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	31.85	N/A
26	11/10/2015	Valiant Contracting	NJ-896	NJ	AS446T	1247633	Former Tank Containment Area	Petroleum Contaminated Soil	Clean Earth of Carteret	Yes	N/A	30.54	N/A

Appendix G:

Disposal Facility Approval & Waste Characterization Documentation

Technical Report

prepared for:

PVE Sheffler
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Alan Mason

Report Date: 10/22/2015
Client Project ID: 560909
York Project (SDG) No.: 15J0633

Report Date: 10/22/2015
Client Project ID: 560909
York Project (SDG) No.: 15J0633

PVE Sheffler
48 Springside Avenue
Poughkeepsie NY, 12603
Attention: Alan Mason

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on October 15, 2015 and listed below. The project was identified as your project: **560909**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
15J0633-01	PCSP-G1 20151015	Soil	10/15/2015	10/15/2015
15J0633-02	PCSP-G2 20151015	Soil	10/15/2015	10/15/2015
15J0633-03	PCSP-G3 20151015	Soil	10/15/2015	10/15/2015
15J0633-04	PCSP-G4 20151015	Soil	10/15/2015	10/15/2015
15J0633-05	PCSP-G5 20151015	Soil	10/15/2015	10/15/2015
15J0633-06	PCSP-G6 20151015	Soil	10/15/2015	10/15/2015
15J0633-07	PCSP-G7 20151015	Soil	10/15/2015	10/15/2015
15J0633-08	PCSP-G8 20151015	Soil	10/15/2015	10/15/2015
15J0633-09	PCSP-C1 20151015	Soil	10/15/2015	10/15/2015

General Notes for York Project (SDG) No.: 15J0633

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 10/22/2015

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: PCSP-G1 20151015 **York Sample ID:** 15J0633-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15J0633	560909	Soil	October 15, 2015 9:00 am	10/15/2015

Total Petro. Hydrocarbons-DRO (C10-C44)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Total Petroleum Hydrocarbons-DRO**	**3070**		mg/kg dry	3.74	11.0	1	EPA 8015D Certifications:	10/21/2015 11:41	10/22/2015 11:59	AMC

	Surrogate Recoveries	Result	Acceptance Range
638-68-6	*Surrogate: Triacontane*	*50.7 %*	*30-150*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.0**		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	10/15/2015 16:12	10/16/2015 13:57	CLS

Sample Information

Client Sample ID: PCSP-G2 20151015 **York Sample ID:** 15J0633-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15J0633	560909	Soil	October 15, 2015 9:05 am	10/15/2015

Total Petro. Hydrocarbons-DRO (C10-C44)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Total Petroleum Hydrocarbons-DRO**	**332**		mg/kg dry	3.72	11.0	1	EPA 8015D Certifications:	10/21/2015 11:41	10/22/2015 12:35	AMC

	Surrogate Recoveries	Result	Acceptance Range
638-68-6	*Surrogate: Triacontane*	*63.8 %*	*30-150*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.3**		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	10/15/2015 16:12	10/16/2015 13:57	CLS

Sample Information

Client Sample ID: PCSP-G3 20151015 **York Sample ID:** 15J0633-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15J0633	560909	Soil	October 15, 2015 9:10 am	10/15/2015

Total Petro. Hydrocarbons-DRO (C10-C44)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Total Petroleum Hydrocarbons-DRO**	**1030**		mg/kg dry	3.57	10.5	1	EPA 8015D Certifications:	10/21/2015 11:41	10/22/2015 13:11	AMC

	Surrogate Recoveries	Result	Acceptance Range
638-68-6	*Surrogate: Triacontane*	*43.2 %*	*30-150*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**95.3**		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	10/15/2015 16:12	10/16/2015 13:57	CLS

Sample Information

Client Sample ID: PCSP-G4 20151015 **York Sample ID:** 15J0633-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15J0633	560909	Soil	October 15, 2015 9:15 am	10/15/2015

Total Petro. Hydrocarbons-DRO (C10-C44)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Total Petroleum Hydrocarbons-DRO**	**1150**		mg/kg dry	3.44	10.1	1	EPA 8015D Certifications:	10/21/2015 11:41	10/22/2015 13:47	AMC

	Surrogate Recoveries	Result	Acceptance Range
638-68-6	*Surrogate: Triacontane*	*43.0 %*	*30-150*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**98.9**		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	10/15/2015 16:12	10/16/2015 13:57	CLS

Sample Information

Client Sample ID: PCSP-G5 20151015 **York Sample ID:** 15J0633-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15J0633	560909	Soil	October 15, 2015 9:20 am	10/15/2015

Total Petro. Hydrocarbons-DRO (C10-C44)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Total Petroleum Hydrocarbons-DRO**	**2630**		mg/kg dry	3.70	10.9	1	EPA 8015D Certifications:	10/21/2015 11:41	10/22/2015 14:23	AMC

	Surrogate Recoveries	Result	Acceptance Range
638-68-6	*Surrogate: Triacontane*	*40.9 %*	*30-150*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.9**		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	10/15/2015 16:12	10/16/2015 13:57	CLS

Sample Information

Client Sample ID: PCSP-G6 20151015 **York Sample ID:** 15J0633-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15J0633	560909	Soil	October 15, 2015 9:25 am	10/15/2015

Total Petro. Hydrocarbons-DRO (C10-C44)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Total Petroleum Hydrocarbons-DRO**	**1300**		mg/kg dry	3.71	10.9	1	EPA 8015D Certifications:	10/21/2015 11:41	10/22/2015 15:00	AMC

	Surrogate Recoveries	Result	Acceptance Range
638-68-6	*Surrogate: Triacontane*	*43.4 %*	*30-150*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.7**		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	10/15/2015 16:12	10/16/2015 13:57	CLS

Sample Information

Client Sample ID: **PCSP-G7 20151015** **York Sample ID:** **15J0633-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15J0633	560909	Soil	October 15, 2015 9:30 am	10/15/2015

Total Petro. Hydrocarbons-DRO (C10-C44)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Total Petroleum Hydrocarbons-DRO**	**2130**		mg/kg dry	3.58	10.5	1	EPA 8015D Certifications:	10/21/2015 11:41	10/22/2015 15:36	AMC

	Surrogate Recoveries	Result	Acceptance Range
638-68-6	*Surrogate: Triacontane*	*42.7 %*	*30-150*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**95.0**		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	10/15/2015 16:12	10/16/2015 13:57	CLS

Sample Information

Client Sample ID: **PCSP-G8 20151015** **York Sample ID:** **15J0633-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15J0633	560909	Soil	October 15, 2015 9:35 am	10/15/2015

Total Petro. Hydrocarbons-DRO (C10-C44)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Total Petroleum Hydrocarbons-DRO**	**1820**		mg/kg dry	3.71	10.9	1	EPA 8015D Certifications:	10/21/2015 11:41	10/22/2015 16:12	AMC

	Surrogate Recoveries	Result	Acceptance Range
638-68-6	*Surrogate: Triacontane*	*40.4 %*	*30-150*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**91.6**		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	10/15/2015 16:12	10/16/2015 13:57	CLS

Sample Information

Client Sample ID: PCSP-C1 20151015 **York Sample ID:** 15J0633-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15J0633	560909	Soil	October 15, 2015 9:40 am	10/15/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
95-63-6	**1,2,4-Trimethylbenzene**	**15**	IS-LO	ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
108-67-8	**1,3,5-Trimethylbenzene**	**3.7**	IS-LO	ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	24	49	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
78-93-3	2-Butanone	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK

Sample Information

Client Sample ID: PCSP-C1 20151015 **York Sample ID:** 15J0633-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15J0633	560909	Soil	October 15, 2015 9:40 am	10/15/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
67-64-1	Acetone	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
107-02-8	Acrolein	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
71-43-2	Benzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
75-25-2	Bromoform	ND	IS-LO	ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
74-83-9	Bromomethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
75-00-3	Chloroethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
67-66-3	Chloroform	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
74-87-3	Chloromethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
110-82-7	Cyclohexane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
74-95-3	Dibromomethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK

Sample Information

Client Sample ID: PCSP-C1 20151015 **York Sample ID:** 15J0633-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15J0633	560909	Soil	October 15, 2015 9:40 am	10/15/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
87-68-3	Hexachlorobutadiene	ND	IS-LO	ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
98-82-8	**Isopropylbenzene**	**2.0**	J, IS-LO	ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
79-20-9	Methyl acetate	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
75-09-2	Methylene chloride	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
104-51-8	**n-Butylbenzene**	**8.2**	IS-LO	ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
103-65-1	**n-Propylbenzene**	**3.6**	IS-LO	ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
95-47-6	**o-Xylene**	**1.4**	J	ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	10/22/2015 08:42	10/22/2015 13:12	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	10/22/2015 08:42	10/22/2015 13:12	BK
99-87-6	**p-Isopropyltoluene**	**2.8**	IS-LO	ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
135-98-8	**sec-Butylbenzene**	**5.4**	IS-LO	ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
100-42-5	Styrene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
98-06-6	tert-Butylbenzene	ND	IS-LO	ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
108-88-3	Toluene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/22/2015 08:42	10/22/2015 13:12	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/22/2015 08:42	10/22/2015 13:12	BK

Sample Information

Client Sample ID: PCSP-C1 20151015 **York Sample ID:** 15J0633-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15J0633	560909	Soil	October 15, 2015 9:40 am	10/15/2015

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	10/22/2015 08:42	10/22/2015 13:12	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	3.6	7.3	1	EPA 8260C	10/22/2015 08:42	10/22/2015 13:12	BK
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*		*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*124 %*	S-04	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*138 %*	S-04	*76-130*

Semi-Volatiles, PAH Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	**2-Methylnaphthalene**	**305**		ug/kg dry	67.0	134	2	EPA 8270D	10/21/2015 08:42	10/22/2015 13:34	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
83-32-9	Acenaphthene	ND		ug/kg dry	67.0	134	2	EPA 8270D	10/21/2015 08:42	10/22/2015 13:34	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
208-96-8	Acenaphthylene	ND		ug/kg dry	67.0	134	2	EPA 8270D	10/21/2015 08:42	10/22/2015 13:34	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-12-7	**Anthracene**	**314**		ug/kg dry	67.0	134	2	EPA 8270D	10/21/2015 08:42	10/22/2015 13:34	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
56-55-3	**Benzo(a)anthracene**	**436**		ug/kg dry	67.0	134	2	EPA 8270D	10/21/2015 08:42	10/22/2015 13:34	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-32-8	**Benzo(a)pyrene**	**196**		ug/kg dry	67.0	134	2	EPA 8270D	10/21/2015 08:42	10/22/2015 13:34	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
205-99-2	**Benzo(b)fluoranthene**	**140**		ug/kg dry	67.0	134	2	EPA 8270D	10/21/2015 08:42	10/22/2015 13:34	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
191-24-2	Benzo(g,h,i)perylene	ND	IS-06	ug/kg dry	67.0	134	2	EPA 8270D	10/21/2015 08:42	10/22/2015 13:34	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
207-08-9	**Benzo(k)fluoranthene**	**110**	J	ug/kg dry	67.0	134	2	EPA 8270D	10/21/2015 08:42	10/22/2015 13:34	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
218-01-9	**Chrysene**	**711**		ug/kg dry	67.0	134	2	EPA 8270D	10/21/2015 08:42	10/22/2015 13:34	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53-70-3	Dibenzo(a,h)anthracene	ND	IS-06	ug/kg dry	67.0	134	2	EPA 8270D	10/21/2015 08:42	10/22/2015 13:34	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**458**		ug/kg dry	67.0	134	2	EPA 8270D	10/21/2015 08:42	10/22/2015 13:34	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	**Fluorene**	**534**		ug/kg dry	67.0	134	2	EPA 8270D	10/21/2015 08:42	10/22/2015 13:34	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
193-39-5	Indeno(1,2,3-cd)pyrene	ND	IS-06	ug/kg dry	67.0	134	2	EPA 8270D	10/21/2015 08:42	10/22/2015 13:34	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	**Naphthalene**	**157**		ug/kg dry	67.0	134	2	EPA 8270D	10/21/2015 08:42	10/22/2015 13:34	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
85-01-8	**Phenanthrene**	**1370**		ug/kg dry	67.0	134	2	EPA 8270D	10/21/2015 08:42	10/22/2015 13:34	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: PCSP-C1 20151015 **York Sample ID:** 15J0633-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15J0633	560909	Soil	October 15, 2015 9:40 am	10/15/2015

Semi-Volatiles, PAH Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
129-00-0	**Pyrene**	**1290**		ug/kg dry	67.0	134	2	EPA 8270D	10/21/2015 08:42	10/22/2015 13:34	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: Nitrobenzene-d5*	*50.1 %*	*10-95*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*53.2 %*	*10-97*
1718-51-0	*Surrogate: Terphenyl-d14*	*44.9 %*	*19-99*

Arsenic by EPA 6010

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**15.7**		mg/kg dry	1.07	1.07	1	EPA 6010C	10/20/2015 11:57	10/20/2015 16:57	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Metals, TCLP RCRA

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C/1311	10/20/2015 12:08	10/21/2015 03:12	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**0.155**		mg/L	0.011	0.011	1	EPA 6010C/1311	10/20/2015 12:08	10/21/2015 03:12	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	**Cadmium**	**0.010**		mg/L	0.003	0.003	1	EPA 6010C/1311	10/20/2015 12:08	10/21/2015 03:12	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	Chromium	ND		mg/L	0.006	0.006	1	EPA 6010C/1311	10/20/2015 12:08	10/21/2015 03:12	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**0.010**		mg/L	0.003	0.003	1	EPA 6010C/1311	10/20/2015 12:08	10/21/2015 03:12	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND	M-SeTC	mg/L	0.011	0.011	1	EPA 6010C/1311	10/20/2015 12:08	10/21/2015 03:12	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-22-4	Silver	ND		mg/L	0.006	0.006	1	EPA 6010C/1311	10/20/2015 12:08	10/21/2015 03:12	ALD
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury TCLP by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.000200	1	EPA 7473/1311	10/22/2015 08:50	10/22/2015 14:09	ALD
								Certifications: CTDOH,NJDEP,PADEP,NELAC-NY10854			

Ignitability

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: PCSP-C1 20151015 **York Sample ID:** 15J0633-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
15J0633	560909	Soil	October 15, 2015 9:40 am	10/15/2015

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Ignitability	Non-Ignit.		-	1	1	1	EPA 1030P	10/20/2015 12:41	10/20/2015 15:12	AA
								Certifications: CTDOH,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**93.5**		%	0.100	0.100	1	SM 2540G	10/15/2015 16:12	10/16/2015 13:57	CLS
								Certifications: CTDOH			

Corrosivity

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	pH	**5.85**	HT-pH	pH units		0.500	1	EPA 9045D	10/19/2015 13:54	10/19/2015 17:17	CLS
								Certifications: NELAC-NY10854,CTDOH,PADEP			

Reactivity-Cyanide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Reactivity - Cyanide	ND		mg/kg	0.250	0.250	1	EPA SW-846 Ch.7.3.3	10/22/2015 13:04	10/22/2015 14:34	AD
								Certifications: CTDOH,PADEP			

Reactivity-Sulfide

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Reactivity - Sulfide	ND		mg/kg	15.0	15.0	1	EPA SW-846 Ch.7.3.4	10/22/2015 13:06	10/22/2015 14:34	AD
								Certifications: CTDOH,PADEP			

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: **EXT-Temp**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1.00	1	EPA 1311	10/15/2015 18:19	10/16/2015 13:48	CLS
								Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
15J0633-09	PCSP-C1 20151015	40mL Vial with Stir Bar-Cool 4° C

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
M-SeTC	It is noted that a known interference with selenium at the analytical line for analysis by ICP is caused by carbon emission from the TCLP or high organics matrix. The data user may subtract the matrix blank value from the data if needed.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
IS-06	Internal standard perylene-d12 did not meet acceptance criteria. The sample was reanalyzed to confirm matrix interference. Compounds affected are: Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene.
IGN-01	Non-Ignit.
HT-pH	HOLDING TIME EXCEEDED. Samples for pH must be measured in the field or within 15 minutes of sample collection.
EXT-Temp	Extraction temperture slightly exceeded acceptance range.
EXT-COMP	Completed
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

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*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 15J0633

YOUR Information

Company: PVE SHEFFLER
Address: 48 SPRINGSIDE AVE POUGHKEEPSIE NY
Phone No. 845 454 2544
Contact Person: Alan Mason
E-Mail Address: amason@pvesheffler.com

Report To:

Company: SAME
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To:

Company: SAME
Address:
Phone No.
Attention: Chris Brown
E-Mail Address: cbrown@pvesheffler.com

YOUR Project ID

560909

Purchase Order No.

Samples from: CT ___ NY ✓ NJ ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☐

Report Type

- Summary Report X
- Summary w/ QA Summary ___
- CT RCP Package ___
- CTRCP DQA/DUE Pkg ___
- NY ASP A Package ___
- NY ASP B Package ___
- NJDEP Red. Deliv. ___

Electronic Data Deliverables (EDD)

- Simple Excel ___
- NYSDEC EQuIS X
- EQuIS (std) ___
- EZ-EDD (EQuIS) ___
- NJDEP SRP HazSite EDD ___
- GIS/KEY (std) ___
- Other ___

York Regulatory Comparison Excel Spreadsheet
Compare to the following Regs. (please fill in):

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Alan Mason
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
PCSP-G1 20151015	10/15/15; 0900	SO	TPH (NJEPH Cat 2 OR TPH DRO expanded to C44) whichever is cheaper	1 x 8oz jar
PCSP-G2 20151015	0905			
PCSP-G3 20151015	0910			
PCSP-G4 20151015	0915			
PCSP-G5 20151015	0920			
PCSP-G6 20151015	0925			
PCSP-G7 20151015	0930			
PCSP-G8 20151015	0935			
PCSP-C1 20151015	0940		See "CEC-Commercial" sampling protocol attached - Arsenic only for RCRA metals - No PCBs	2 x 8oz jar; 1 x 5035 kit

Page 17 of 18

Comments

RM - Powerhouse
NC samples of PCS stockpile

Preservation Check those Applicable
4°C ___ Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	10/15/15;	Samples Received By	10-15-15 11:00
Samples Relinquished By	Date/Time	Samples Received in LAB by	10/15/15 1501 Date/Time

Temperature on Receipt 4.0 °C

15J0633

Clean Earth Sampling Protocol
Carteret

PARAMETERS	TPH	TOTAL VOLATILE ORGANICS	PAHs	TOTAL METALS (Arsenic only) RCRA	TCLP METALS RCRA	IGNITABILITY	CORROSIVITY (PH)	REACTIVITY - SULFIDE AND CYANIDE	PCBs NO
METHODS (1)		8015M	8260B	8270	6010	1311/6010	1010A	9040C	SW846 CHAPTER 7.3	8082A
	FREQUENCY									
COMMERCIAL	5 point grab composite every 100 cy (1 grab/20 cy)	X								
	8 point grab composite every 800 cy (1 grab/100 cy)		X	X	X	X	X	X	X	X
Limit		<15,000			End Use Criteria	Below RCRA Toxicity Level	Negative	>2 - <12.5	Sulfide <500 Cyanide <250	<2

(1) The methods provided are standard EPA methods. The method revisions are subject to change and the most current method should always be utilized by the laboratory.

This is to be used as a guideline for sampling. Sampling frequencies and parameter requirements may be modified at the discretion of the CE Approval staff based items such as site history, levels of contamination and/or source of contamination, etc.

EXCLUSIONS AS PER CONVERSATION WITH KAREN VIVO HARTLEY ON 10/15/15.

10/14/2015

CLEANEARTH

Faster, smarter, greener solutions.

EXHIBIT A
Material Profile Sheet

Global Job # _____

Sales Rep _____

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
T 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
T 301-791-6220

☐ Clean Earth of Williamsport
212 Colvin Road
Williamsport, PA 17701
T 570-494-0200

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
T 215-428-1700

☐ Clean Earth of Philadelphia
3201 South 61st Street
Philadelphia, PA 19153
T 215-724-5520

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
T 302-427-6634

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
T 877-445-3478

A. Waste Generator/Job Site Information

1. Generator Name:	Hudson Vally Psych Center	8. Job Site Name:	Hudson Vally Psych Center
2. Generator Address:	Route 9	9. Job Site Address:	Route 9
3. Generator Cty/St/Zip:	Poughkeepsie NY 12601	10. Job Site Cty/St/Zip:	Poughkeepsie NY 12601
4. Generator Phone:	845-454-2544	11. Job Site Phone:	845-454-2544
5. Generator Contact:	Chris Brown	12. Job Site Contact:	Chris Brown
6. Generator Email:	cbrown@pvesheffler.com	13. Job Site Email:	cbrown@pvesheffler.com
7. Generator County:	Dutchess County	14. Job Site County:	Dutchess County

Billing Information

15. Customer Name:	PVE Sheffler LLC	18. Customer Phone:	845-454-2544
16. Customer Address:	48 Springside Ave	19. Customer Contact:	Chris Brown
17. Customer Cty/St/Zip:	Poughkeepsie, NY 12603	20. Customer Email:	cbrown@pvesheffler.com

B. Waste Stream Information

1. Name of waste: Non Haz Petroleum Contaminated Soil 2. State waste code(s) (if applicable): _____
3. Process generating waste (attache separate sheet, if necessary): _____
4. Is this waste a soil amendment (i.e., bio-solids, paper pulp sludge, lime neutralized industrialized water sludge, water potable treatment plant sludge)? ☐ Yes ☒ No ☐ N/A
5. Estimated quantity of waste: 800 ☐ Tons ☐ Gallons ☐ Cubic Yards 6. Term of project: ☐ Recurring ☐ One Time

C. Waste Composition/Characteristics

1. Source of contamination (i.e., UST, AST, leak, spill, non specific): 2 #6 Fuel Oil ASTs
2. Type of contamination (i.e., diesel, gasoline, waste oil, heating oil, MGP, etc.): #6 Fuel Oil
3. Contaminants of concern: #6 Fuel Oil
4. Provide a site history detailing past and present land uses, on site storage/process information, and any activities related to contaminants of concern (attach a separate sheet if necessary): see "IRM Work Plan" attached
5. Composition of waste (clay, rock, sand, moisture, chemical, constituents, contaminants, etc., should equal 100%): Sand = 60 % Rock =20 % Silt = 10 % Clay =10 %
6. Is this site a State or Federal Superfund Site? ☐ Yes ☒ No
7. Is laboratory report being supplied with this profile? ☒ Yes ☐ No
   7a. If yes, you will need to attach a sampling plan description and a diagram of sampling locations that ties to the data. Please refer to the "Site Sampling Diagram" form in your approval package for guidance.
8. Is the waste represented in this waste profile classified as a radioactive material under USEPA 40 CFR 191.12 or other applicable regulatory provisions? ☐ Yes ☒ No
9. Does the waste represented contain any levels of polychlorinated biphenyls (PCBs)? ☒ Yes ☐ No
   9a. If yes, list the level: maximum of 0.0374 ppm
   9b. If yes, is the waste material TSCA regulated or defined as a PCB remediation waste under TSCA? ☐ Yes ☒ No ☐ N/A
10. Does the waste represented contain herbicides, pesticides, asbestos, insecticides or residues thereof at concentrations that would render it hazardous as defined by 40 CFR 261 or subject to additional state or federal regulations? ☐ Yes ☒ No

Global Job # _____

C. Waste Composition/Characteristics (continued)

Sales Rep _____

11. The waste represented in this profile is generated as a result of the corrective response taken under the Federal Underground Storage Tank Regulation 40 CFR 280. ☐ Yes ☒ No
12. Is the waste a dioxin bearing waste? ☐ Yes ☒ No
13. Is the waste a treatment residue from a previously listed or characteristic hazardous waste? ☐ Yes ☒ No
14. Is there a nuisance level of odor associated with this waste? ☒ Yes ☐ No
15. Are there any special handling instructions for management of this waste? ☐ Yes ☒ No
16. Have any odor suppressing foams or absorbents been added to the waste? ☐ Yes ☒ No
17. Does this waste represented contain Coal Combustion By-products (CCB); e.g., Fly Ash, Slag? (Applicable to Maryland facilities.) ☐ Yes ☒ No ☐ N/A
18. If yes to any of the above questions, please explain (attach an additional sheet if necessary):

Petroleum odor

D. Generator Certification

1. I certify that the waste represented by this profile is not a listed hazardous waste, nor does it contain a listed hazardous waste, nor does it exhibit any characteristics of a hazardous waste as defined by 40 CFR 261. ☒ Yes ☐ No
2. I certify that this waste profile and all attachments contain true and accurate descriptions of the waste material. ☒ Yes ☐ No
3. I certify that all relevant information in possession of the Generator pertaining to known or suspected hazards with regard to the waste has been disclosed to Clean Earth. ☒ Yes ☐ No
4. I certify that all changes that occur in the characteristics of the waste will be identified by the Generator and disclosed to Clean Earth prior to providing the waste to Clean Earth. ☒ Yes ☐ No
5. I certify that the analytical data attached hereto are derived from testing representative sample(s) as referenced in 40 CFR 261.20 or an equivalent state regulatory provision. ☒ Yes ☐ No ☐ N/A
6. For sites that contain "clean fill," the undersigned certifies that a site investigation was conducted and that the soil was characterized according to the proposed Clean Earth facility(s) acceptance criteria for soil classification as "clean fill" and where applicable in accordance with the Pennsylvania Management of Fill Policy. ☐ Yes ☐ No ☒ N/A
7. The undersigned has determined the non-hazardous status of the said waste is in accordance with 40 CFR 262.11. Should, at any time after delivery, the material accepted by Clean Earth be found to be non-conforming to the information certified in this profile and represented by documentation attached hereto, it becomes the responsibility of the Generator/Agent to remove the waste from the designated Clean Earth facility within five (5) days of notification. Notification is to be verbal followed by written notification, overnight receipted. It is the Generator's/Agent's responsibility to abide by all Federal, State and Local regulations associated with the removal of their waste. If the waste is not removed within the specified time period, said disposal shall be arranged by a Clean Earth representative and billed to the Generator/Agent at cost plus basis. Furthermore, the Generator/Agent will be responsible for any and all costs for decontamination required by the Clean Earth facility that is related to the Generator's/Agent's material and all liability for such nonconforming waste shall revert to Generator/Agent. ☒ Yes ☐ No

*Certification

Signature: _____ Date: 10/20/2015 Company:

Name (type or print): Christopher Brown PVE Sheffler LLC

*If someone other than the Generator is signing this profile or intends to sign any paperwork (which includes, but is not limited to, additional certifications, manifests, etc.) pertaining to this waste profile, authorization from the Generator, on the Generator's letterhead, must be supplied to Clean Earth prior to acceptance of waste material.

E. Clean Earth Waste Approval Decision

1. Treatment Option(s) _____
2. Proposed Treatment Facility(s) _____
3. Supplemental information (special handling, hours of acceptance, etc.): _____

4. Approval decision: ☐ Approved ☐ Denied Approved tonnages: _____

4a. If denied, please indicate the reason in the space provided: _____

5. Approval Signature: _____ Date: _____

6. Facility Manager's Signature: _____ Date: _____

Contract # _____

MASTER SERVICE AGREEMENT

This Master Service Agreement (hereinafter, this "Agreement") is entered into this _____ day of _____, in the year ____, between the Clean Earth corporate entity or entities designated on the Waste Profile Sheet(s) attached hereto as Exhibit A (such entity, or each such entity, as the case may be, hereinafter referred to as "**Contractor**," but only with respect to the particular services to be performed by that entity pursuant to the Project Rate Sheet(s) attached hereto as Exhibit B) and PVE Sheffler, LLC (hereinafter referred to as "**Customer**"), with an address at 48 Springside Avenue, Poughkeepsie, NY. **Contractor** and **Customer** are hereinafter referred to collectively as the "Parties."

BACKGROUND

A. **Contractor** is engaged in the business of providing services involving the reuse, transportation, storage, processing, treatment, and disposal of specific types of materials.

B. **Customer** wishes to obtain services from **Contractor** to manage certain material that has been generated by **Customer** or over which **Customer** otherwise has control.

C. The material to be provided by **Customer** to **Contractor** (hereinafter referred to, singularly and collectively, as the "Material") shall be described in a "Profile Sheet" or, if more than one type of Material, "Profile Sheets" attached to this Agreement as Exhibit A and any other documents attached thereto or referenced therein. The Material may or may not be classified as waste, and may consist of, without limitation, soil, rubble, dredge material, and petroleum-impacted media.

TERMS AND CONDITIONS

In consideration of the foregoing and the mutual promises contained herein, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, **Contractor** and **Customer**, intending to be legally bound, do hereby agree as follows:

1. Provision of Services

(a) **Contractor** agrees to provide services to **Customer** solely in accordance with and subject to the terms and conditions of this Agreement.

(b) The specific services to be provided by **Contractor** for **Customer** and the costs of those services are more particularly described in the Project Rate Sheet(s) attached hereto as Exhibit B, which has or have been prepared by **Contractor** and accepted by **Customer**.

(c) **Contractor's** obligation to provide the services described in the Project Rate Sheet(s) is expressly conditioned upon the following:

(i) **Contractor's** receipt from **Customer** of a complete and accurate Profile Sheet for each Material demonstrating that such Material (1) is the same Material as described in the Project Rate Sheet and (2) may be accepted or handled by **Contractor** based on the permits, authorizations and the rules and regulations to which the receiving facility may be subject; and

(ii) **Customer's** execution of the Project Rate Sheet confirming acceptance of all information contained therein, including the costs of the services described therein.

(d) The Project Rate Sheet(s) and the Profile Sheet(s), including any documents attached thereto or referenced therein, are hereby expressly incorporated in and made a part of this Agreement.

(e) **Customer** shall comply with all applicable federal, state and local laws, ordinances, rules, and regulations with respect to properly characterizing, labeling, packaging, and making the Material ready for transport, and shall complete all necessary paperwork, including manifests and bills of lading, as applicable, associated with the shipment of the Material to **Contractor** or as directed by **Contractor**.

X Initial

(f) In the event of a conflict between the terms and conditions of this Agreement and the Project Rate Sheet(s) or Profile Sheet(s) attached hereto, the terms and conditions of this Agreement shall control unless the Parties expressly agree in writing to the contrary.

2. Customer Representations and Warranties

(a) **Customer**, through its undersigned representative, hereby represents and warrants that the generator information contained in the attached Project Rate Sheet(s) or Profile Sheet(s) is true and accurate to the best of **Customer's** knowledge, that characterization sampling of the Material has been performed in accordance with all applicable protocols and standards, and that analytical results from characterization sampling of the Material provided to **Contractor** are representative of the physical and chemical characteristics of the Material.

(b) **Customer** hereby represents and warrants that all Material delivered by **Customer** to **Contractor** shall be consistent with the descriptions contained in the Project Rate Sheet and the Profile Sheet for the Material.

(c) **Customer** hereby represents and warrants that it is under no legal restraint, order, agreement, directive, or other limitation or constraint that would (i) prevent **Customer** from using **Contractor's** services pursuant to this Agreement or (ii) restrict the labeling, packaging, and readying for transport, or the transporting, processing, treatment or other disposition of the Material.

(d) If applicable, **Customer** hereby authorizes the Agent/Broker designated on the Generator Authorization Letter attached hereto as Exhibit C to sign all paperwork pertaining to the Material and **Customer** agrees that it shall not terminate the authority of such Agent/Broker without providing **Contractor** with not less than ten (10) days prior written notice of such termination and, if applicable, designation of a substitute Agent/Broker.

3. Contractor Representations and Warranties

Contractor hereby represents and warrants that: (a) **Contractor** will manage the Material in a safe and workmanlike manner in compliance with all valid and applicable federal, state and local laws, ordinances, rules, regulations, permits and orders; and (b) **Contractor** will use facilities that have been issued permits, licenses, certificates or approvals required by valid and applicable laws, ordinances, rules and regulations necessary for the facilities to accept, store, process, treat and/or dispose of the Material. Except as otherwise expressly provided herein, **Contractor** makes no other representations and warranties and hereby disclaims any other representation or warranty, whether express or implied.

4. Inspection; Rejection of Material

(a) **Contractor** shall have the right, but not the obligation, to inspect, analyze and/or test the Material delivered or provided by **Customer** to **Contractor**; provided, however, that any failure of **Contractor** to perform any such inspection, analysis and/or testing, or to detect any Material which does not comply with the terms hereof despite such the same shall in no way relieve the **Customer** from its obligations hereunder.

(b) If the Material (i) does not meet the description and specifications set forth in the corresponding Profile Sheet or (ii) is otherwise not suitable for processing and/or treatment in the reasonable judgment of **Contractor**, for instance the material is malodorous, contains unacceptable amounts of debris such as, but not limited to, rebar, rubber, large stones, tires, and plastic sheeting, or has a high moisture content, is incompatible with other materials to be treated or processed, then the material shall be classified as "Non-Conforming Material" for purposes of this Agreement. Non-Conforming Material shall also include any material which may be conforming or acceptable to **Contractor** but which has been co-mingled with Non-Conforming Material. If Material is determined by **Contractor** to be Non-Conforming Material, **Contractor** may, at its option, (i) reject the Non-Conforming Material and return it to **Customer** at **Customer's** sole expense, (ii) require **Customer** to remove and dispose of the Non-Conforming Material at **Customer's** sole expense, or (iii) remove and dispose of the Non-Conforming Material in which case **Customer** shall pay **Contractor's** customary fees for such services with respect to the Non-Conforming Material.

(c) **Customer** shall promptly (but in no event later than thirty (30) days after the accrual thereof) reimburse **Contractor** and its transferee(s) for any losses, costs, expenses, fines, penalties, liabilities or damages (including reasonable attorneys' fees) that **Contractor** and/or its transferee(s) may incur as a result of receiving Non-Conforming Material from **Customer**, including costs of storing, transporting, retrieving, processing, treating, disposing, or otherwise handling or managing the Non-Conforming Material. As used herein, the term "transferee" shall mean any party receiving Material from **Contractor**, including Non-Conforming Material, in connection with **Contractor**'s performance of this Agreement.

X Initial

(d) Title to and liability for Non-Conforming Material shall remain with **Customer** at all times.

(e) **Contractor** reserves the right to reject or delay any shipment of Material from **Customer** in circumstances where the required paperwork for the shipment is incomplete, inaccurate or missing. **Customer** shall be responsible for all costs associated with storing, transporting or otherwise managing the rejected or delayed shipment of Material, including, but not limited to, storage and demurrage costs.

5. Indemnification

(a) **Contractor** hereby agrees to indemnify and hold **Customer** harmless from any losses, damages, suits, penalties, fines, costs, liabilities and expenses (including reasonable attorney's fees) arising out of any third party claim for (i) loss or damage to property or the environment, or (ii) injuries to or death of persons, including **Customer's** employees and agents, caused by or arising from **Contractor's** gross negligence, willful misconduct, or material violations of laws, ordinances, rules, regulations, orders or permits by **Contractor** in effect at the time that the services at issue are provided pursuant to this Agreement.

(b) **Customer** hereby agrees to indemnify and hold **Contractor** harmless from any losses, damages, suits, penalties, fines, costs, liabilities and expenses (including reasonable attorney's fees) arising out of any third party claim for (i) loss or damage to property or the environment, or (ii) injuries to or death of persons, including **Contractor's** employees and agents, caused by or arising from **Customer's** gross negligence, willful misconduct, material breach of this Agreement (including the representations and warranties contained therein), material violations of laws, ordinances, rules, regulations, orders or permits, or the delivery to **Contractor** of Material that does not conform to the description of the Material set forth in this Agreement.

(c) Neither party shall be liable to the other for special, consequential, incidental or punitive damages arising out of the non-performance of this Agreement or a breach hereof.

6. Limited License to Enter

When **Customer** is transporting Material to a facility operated by **Contractor**, **Customer** and its sub**Contractors** shall have a limited license to enter that facility for the sole purpose of unloading the Material at such facility in the manner directed by **Contractor**. **Customer** shall comply, and ensure that its sub**Contractors** comply, with all rules, regulations and requirements of the facility, as shall then be in effect. **Contractor** may reject Material, deny **Customer** or its sub**Contractors** entry to the facility and/or terminate this Agreement in the event of the failure by **Customer** or its sub**Contractors** to follow such rules, regulations and requirements.

7. Charges and Payments

(a) **Customer** agrees to pay for the services performed pursuant to this Agreement in accordance with the terms set forth herein (including, without limitation, the surcharges shown on the Project Rate Sheet, if and to the extent applicable), unless such terms are specifically modified in writing by both Parties.

(b) Charges for services performed pursuant to this Agreement shall be in accordance with the applicable Project Rate Sheet(s) included in Exhibit B.

(c) Payment for services performed pursuant to this Agreement shall be made within thirty (30) days of the date **Contractor** renders its invoice; provided, however, that **Contractor**, on a project basis, may require that payment be made immediately or within less than thirty (30) days following the rendering of **Contractor's** invoice. Failure to make payment within that applicable payment period shall cause interest to commence accruing at a rate of one and one-half percent (1 1/2%) per month from the due date of the invoice or the maximum interest rate permitted under applicable law, whichever is greater, until payment in full (plus interest) is made and, in addition, shall entitle **Contractor** to pursue any other remedies available to **Contractor** hereunder, or at law or in equity. **Customer** shall also be responsible for all costs of collection including, without limitation, court costs, attorney's fees and lien fees.

(d) **Customer** shall be solely responsible for all federal, state and local excise taxes, occupational taxes, sales taxes, use of service fees, environmental fees, recycling fees, local municipality fees, surcharges, costs of analytical services required by receiving facilities for Material, transportation cost increases, fuel surcharges, costs of handling Non-Conforming Material, and other similar taxes, fees and charges. **Customer** shall promptly reimburse the **Contractor** for any such costs, taxes, fees and surcharges, together with any interest and penalties assessed by any taxing authority. **Customer** shall also be solely responsible for any additional costs or charges caused by any delay (unless due to **Contractor**) including, without limitation, demurrage costs.

X Initial

(e) Except as otherwise provided herein, **Contractor** may not increase the prices set forth in the Project Rate Sheet(s) contained in Exhibit B for a period of thirty (30) days after the effective date of the Project Rate Sheet(s). From and after thirty (30) days of the effective date of the Project Rate Sheet(s) (unless otherwise stated herein), the prices set forth in the Project Rate Sheet(s) shall be subject to change by **Contractor**, provided that **Contractor** gives **Customer** advance written or verbal notice of such change in prices. **Customer** shall have five (5) days from the date of notification by **Contractor** to accept or reject any cost or price increase tendered by **Contractor**. If **Customer** rejects the proposed price increase, **Contractor** shall have the right to terminate this Agreement or refuse to provide services to **Customer** pursuant to the Project Rate Sheet(s) that **Contractor** has sought to change.

(f) Except as otherwise set forth in the Project Rate Sheet(s), invoiced tonnage (if applicable) will be based on facility or **Contractor's** certified scales weight tickets and therefore may be more or less than the estimated tonnages set forth in the Project Rate Sheet(s).

(g) Services required beyond the scope of the services described in the Project Rate Sheet(s) contained in Exhibit B will be invoiced at the price mutually agreed to in writing by **Contractor** and **Customer**.

(h) The costs of obtaining special permits, licenses, authorizations or approvals to allow **Contractor** to handle particular Material will be charged to the **Customer** at the rate of cost, plus 10% unless otherwise specified in writing.

(i) At the request of **Customer** and if applicable, a Certificate of Recycling and/or Disposal (as such terms are used in the waste treatment industry) received by **Contractor** will be issued upon receipt by **Contractor** of full payment for the services rendered in connection with managing such Material. **Customer** shall be deemed to retain full and complete ownership of the Material until such time as **Contractor** is paid in full for its services pursuant to this Agreement.

8. Insurance

(a) **Contractor** hereby agrees to furnish **Customer**, upon request, with a Certificate of Insurance attesting to the existence of Worker's Compensation insurance coverage providing statutory benefits, Pollution Liability insurance and Comprehensive Automobile and Commercial General Liability insurance coverage with policy limits of not less than those set forth on the Certificate of Insurance, which is marked as a schedule in the Project Rate Sheet(s) contained in Exhibit B.

(b) In the event that **Customer** has not provided specific insurance requirements to **Contractor** for its review prior to **Contractor** submitting to **Customer** a Project Rate Sheet, and it is determined subsequent to acceptance of the Project Rate Sheet by **Customer** that insurance coverage is required that is in excess of the standard scope of coverage provided by **Contractor**, then **Contractor** may charge to **Customer** the costs of any additional premiums or surcharges imposed upon **Contractor** to obtain such additional insurance coverage. **Customer** shall pay the costs of such additional premiums or surcharges in advance of **Contractor** procuring said additional insurance coverage. In the event that **Customer** refuses to pay the costs of such additional premiums or surcharges in advance, then **Contractor** shall have no obligation to provide the additional insurance coverage requested by **Customer** and **Customer** shall have no claim against **Contractor** for its failure to procure the additional insurance coverage nor may **Customer** otherwise be permitted to declare **Contractor** in breach or default of this Agreement.

9. Arbitration

(a) Any dispute or controversy arising out of or relating to this Agreement, or any amendment or modification thereto, shall be determined by arbitration in the County of New York, State of New York, pursuant to the Commercial Arbitration Rules of the American Arbitration Association. The Parties agree that the arbitrator shall have the power to award specific performance or injunctive relief to in any such arbitration. The costs of arbitration, including each Party's legal fees, shall be borne as directed by the arbitrator.

(b) The Parties consent to the jurisdiction of the Supreme Court of the State of New York for all purposes ancillary to arbitration, including the enforcement of the arbitration agreement and the proceedings, and the entry of a judgment on any award, and further consent that any process or notice of motion or other application to a court or to a judge thereof may be served by registered or certified mail.

X Initial

10. Independent Contractor

Contractor is and shall perform under this Agreement as an independent **Contractor**. The employees, agents, methods, equipment and facilities of **Contractor** shall at all times be under **Contractor's** exclusive direction and control. Nothing in this Agreement shall be construed or interpreted so as to cause **Customer** or any of its employees, agents, officers or directors to be deemed an agent for, joint venture of, employee of or partner of **Contractor**.

11. Assignment and Termination

Neither Party hereto may assign or delegate the performance of any portion of this Agreement without the prior express written consent of the other, which consent shall not be unreasonably withheld, delayed or conditioned; provided however, **Contractor** may assign this Agreement to an affiliate of **Contractor** or an entity under the control or common control of **Contractor**, without the written consent of **Customer**. In the event of the filing of a petition by or against the **Customer** under any bankruptcy, insolvency or reorganization laws, or the appointment of a receiver or trustee or an assignment for the benefit of creditors, then **Contractor**, at its option, and in addition to any other remedies at law, in equity or hereunder, may forthwith terminate this Agreement without further obligation or liability by **Contractor** to **Customer**.

12. Force Majeure

Contractor shall not be liable for any failure to provide services pursuant to this Agreement, including, but not limited to, removing, accepting, handling, processing, treating or disposing of Material, if such failure is caused directly or indirectly by acts of God, acts of war (including acts of terrorism), weather conditions; labor disputes or strikes; accidents; fires; explosions; floods; sabotage; fuel shortages; equipment malfunctions or failures; orders, filings, directives, laws, rules, regulations, ordinances, actions or inactions of any federal, state, or local governmental agency, department, court or body having jurisdiction over the activities of **Customer** or **Contractor**; changes in laws; inability to obtain the requisite licenses, approvals or permits; or any other matters beyond the reasonable control of **Contractor**.

13. Notices

(a) Except as otherwise specified in this Agreement, all notices pursuant to this Agreement shall be in writing, shall be directed to the attention of the respective representatives of **Contractor** or **Customer** listed below, and shall be deemed to have been sufficiently given (i) when delivered personally, (ii) when sent by verified facsimile (with confirmation copy sent by overnight courier), (iii) when sent by overnight courier, or (iv) when sent by certified mail, return receipt requested to the respective representatives of **Contractor** and **Customer** at the addresses listed below:

To **Contractor**:
Clean Earth, Inc.
334 South Warminster Road
Hatboro, PA 19040
Attn: Client Solutions Manager

To **Customer**:
PVE Sheffler, LLC
48 Springside Avenue
Poughkeepsie, NY 12603
Attn: Christopher Brown

(b) Notices pursuant to this Paragraph shall be deemed effective upon receipt.

(c) Either Party may designate a new representative to receive notices under this Agreement by notifying the other Party in writing of the name, address, telephone number and facsimile number of the new representative.

14. Entire Agreement

This Agreement, including the Exhibits attached hereto which are made a part hereof, supersedes any and all other agreements, either oral or in writing, between the Parties hereto with respect to the subject matter hereof and contains all of the covenants and agreements between the Parties with respect to this matter. Any previous warranties, representations, agreements, understandings, covenants, discussions, drafts and writings are specifically

Initial

replaced and superseded by the terms and conditions contained in this Agreement. Each Party further agrees and acknowledges that no representations, inducements, promises or agreements, orally or otherwise, have been made by any Party or anyone acting on behalf of any Party, which are not embodied herein and that no other agreement, statement, or promise not contained herein shall be valid or binding. It is specifically agreed between the Parties that no pre-printed language on any purchase order, work order or other similar instrument from either Party hereto shall alter, change, modify or amend the terms and conditions contained in this Agreement, and in particular, it is agreed that any such pre-printed language shall be deemed null and void. Any modification or amendment to this Agreement must be in writing and signed by both Parties.

15. Binding Agreement

This Agreement shall be binding upon and inure to the benefit of the Parties hereto and their heirs, executors, administrators, successors, and assigns. If any term, covenant or condition of this Agreement is determined to be illegal, invalid, void or unenforceable, such finding shall not affect the other provisions of this Agreement.

16. Clean Earth of North Jersey

If and to the extent any Material is to be disposed of, processed or treated at the Clean Earth of North Jersey facility located at 115 Jacobus Avenue, Kearny, New Jersey 07032, the following terms and provisions shall apply to **Contractor's** services with respect to such Material:

(a) All references in this Agreement to the term "material" or "Material" shall be deemed to refer to the term "waste" or "Waste," respectively.

(b) All references in this Agreement to the term "Profile Sheet" shall be deemed to refer to the term "Waste Material Profile Sheet."

(c) In the section of this Agreement entitled "Background," the last sentence in Paragraph C shall be deemed deleted.

(d) The following provisions shall be deemed substituted for those set forth in Paragraph 1, subparagraph (c)(i), of this Agreement:

"(i) **Customer** shall provide **Contractor** with a written, full, complete and accurate description of the Waste, including but not limited to, a complete description of all processes generating or involving the Waste, the proper name(s), hazard class(es), the EPA identification number(s) and all material safety data sheets relating thereto. **Customer** covenants, warrants and agrees that the description of the Waste in each Waste Material Profile Sheet is full, complete and accurate, including but not limited to, the process generating the waste, and the other information contained therein. **Customer** represents and warrants that all Waste delivered to **Contractor**, including each unit or container of Waste, shall conform to the description of the Waste furnished to **Contractor**. Where **Contractor** requires **Customer** to furnish a sample of the Waste to **Contractor**, **Customer** warrants and represents that the same is a true representative sample of the entire Waste stream, provided however, that the submission of the sample to **Contractor** for laboratory analysis does not relieve **Customer** of its obligations to provide a written description of the Waste nor **Customer's** warranty of such description of the Waste. It is expressly understood and agreed that any technical assistance or advice rendered by **Contractor** to **Customer** in reference to the efforts of **Customer** to properly classify **Customer's** Waste stream, shall be deemed gratis advice only. It shall remain **Customer's** responsibility at all times to comply with the environmental laws and to provide a proper description of the Waste."

(e) The following provisions shall be deemed substituted for those set forth in Paragraph 4, subparagraphs (b) through (d), of this Agreement:

"(b) In the event that the **Contractor** discovers that the Waste or any unit or container thereof does not conform to the description set forth in this Agreement, whether or not said Waste has previously been accepted by **Contractor** as conforming, **Contractor** shall notify **Customer** of the nonconformity and the Parties shall initiate any necessary measures for the safe handling, transportation and/or disposal of the Waste. If the Parties cannot agree upon the alternate methods for properly handling the Waste stream of **Customer** within twenty-four (24) hours from the time that **Contractor** has given written notice to **Customer**, **Contractor** may, in addition to any other remedies hereunder, or at law or in equity, return said Waste to **Customer** and **Customer** agrees to accept the same. For all nonconforming

X Initial

Waste, **Customer** agrees to pay or reimburse **Contractor** for all reasonable costs of handling, storage, administration, transportation and/or disposal costs incurred by **Contractor** on behalf of **Customer**.

(c) In addition, **Customer** shall reimburse **Contractor** for any damages incurred by **Contractor**, and any fines and penalties that **Contractor** may be required to pay any governmental agency or court due to **Customer** furnishing Waste that was not in compliance with the specifications set forth in the Waste Material Profile Sheet.

(d) At the time **Contractor** accepts the Waste from **Customer** for transportation, title, risk of loss and all other incidents of ownership of the Waste shall be transferred from **Customer** to **Contractor**. In the event that the Waste is discovered to be nonconforming, **Contractor** may revoke its acceptance of the Waste. Upon written notification of revocation of acceptance, title, risk or loss and all other incidents of ownership shall re-vest in **Customer**."

(f) In the event of any inconsistency between the provisions of this Paragraph 16 and the other provisions of this Agreement, the provisions of this Paragraph 16 shall govern and be binding.

17. Miscellaneous

(a) In the event of a dispute under this Agreement, the prevailing party shall be entitled to recover reasonable fees and court costs, including attorney's fees, associated with interpreting or enforcing this Agreement. In the event **Customer** fails to pay **Contractor** all amounts due hereunder, **Contractor** shall be entitled to collect all reasonable collection costs or expenses, including reasonable attorneys' fees, other costs or handling fees for returned checks from **Customer**.

(b) The validity, interpretation and performance of this Agreement shall be construed in accordance with the laws of the State of New York.

(c) **Customer's** payment obligation for services, the representations and warranties and the indemnity obligations set forth herein made by each Party shall survive termination of this Agreement.

(d) This Agreement shall be construed as if both Parties equally participated in its drafting, and thus shall not be construed against the drafter.

(e) This Agreement may be executed in multiple, identical counterparts, each of which shall be deemed to be an original, but all of which taken together shall constitute one and the same instrument.

(f) Telecopy signatures or pdf signatures transmitted by e-mail shall be deemed valid and binding to the same extent as the originals.

(g) The undersigned representatives of **Contractor** and **Customer**, respectively, certify that they are authorized to execute this Agreement on behalf of **Contractor** or **Customer**, as the case may be.

IN WITNESS WHEREOF, the Parties have executed this Agreement effective as of the day and year first above written.

CUSTOMER: PVE Sheffler, LLC

Signature: _____

Print Name: CHRISTOPHER S. BROWN

Print Title: MEMBER

CONTRACTOR: Clean Earth Corporate Entity

Signature: _____

Print Name: _____

Print Title: _____

X Initial

Appendix H:

Soil Disposal Manifests

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000326337

	Date	Time	Scale
In:	11/9/2015	12:41:11	Scale CE
Out:	11/9/2015	12:41:22	P.T.

	Lbs	Tns
Gross:	76380	38.19
Tare:	27660	13.83
Net:	48720	24.36

Manifest: 1247606
Vehicle ID: 07TEV4
Vehicle Permit:
Customer: PVE SHEFFLER LLC

Facility Approval#: 153071548
Generator: Hudson Valley Psych Cente
Job Name: Hudson Valley Psych Center
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	24.36	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____

Facility: _____
Washington, Yoland

GENERATOR

TEV #1
AR-239E

CLEANEARTH

Manifest # 1247606

GLOBAL JOB NUMBER: 138214 **FACILITY APPROVAL NUMBER:** 153071548

Please Check One:

☑ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Hudson Valley Psych Center	GROSS WEIGHT: ☐Tons ☐Yards	
Route 9, Poughkeepsie, NY 12601	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: ~~Chris Brown 845-454-2544~~	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____

Signature: _____ Date and Time: 11-9-15 9:Am

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000326291

	Date	Time	Scale
In:	11/9/2015	12:05:01	Scale CE
Out:	11/9/2015	12:05:15	P.T.

	Lbs	Tns
Gross:	79880	39.94
Tare:	25240	12.62
Net:	54640	27.32

Manifest: 1247607
Vehicle ID: 07BLAD8224
Vehicle Permit:
Customer: PVE SHEFFLER LLC

Facility Approval#: 153071548
Generator: Hudson Valley Psych Cente
Job Name: Hudson Valley Psych Center
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	27.32	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____ Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 1247607

GLOBAL JOB NUMBER: 138214 **FACILITY APPROVAL NUMBER:** 153071548

Please Check One:

☑ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
Hudson Valley Psych Center		
Route 9, Poughkeepsie, NY 12601	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: Chris Brown 845-454-2544	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____

Signature: _____ Date and Time: _____

TRANSPORTER

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000326314

	Date	Time	Scale
In:	11/9/2015	12:20:09	Scale CE
Out:	11/9/2015	12:20:30	P.T.

	Lbs	Tns
Gross:	85760	42.88
Tare:	27680	13.84
Net:	58080	29.04

Manifest: 1247608
Vehicle ID: 07VAL243
Vehicle Permit:
Customer: PVE SHEFFLER LLC
Facility Approval#: 153071548
Generator: Hudson Valley Psych Cente
Job Name: Hudson Valley Psych Center
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	29.04	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____ Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 1247608

GLOBAL JOB NUMBER: 138214 **FACILITY APPROVAL NUMBER:** 153071548

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
Hudson Valley Psych Center Route 9, Poughkeepsie, NY 12601	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: Chris Brown 845-454-2541	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____

Signature: _____ Date and Time: _____

TRANSPORTER

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000326283

	Date	Time	Scale
In:	11/9/2015	11:58:31	Scale CE
Out:	11/9/2015	11:58:45	P.T.

	Lbs	Tns
Gross:	83300	41.65
Tare:	25220	12.61
Net:	58080	29.04

Manifest: 1247609
Vehicle ID: 07VAL235
Vehicle Permit:
Customer: PVE SHEFFLER LLC
Facility Approval#: 153071548
Generator: Hudson Valley Psych Cente
Job Name: Hudson Valley Psych Center
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	29.04	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____ Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 1247609

GLOBAL JOB NUMBER: 138214 **FACILITY APPROVAL NUMBER:** 153071548

Please Check One:

- ☑ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
Hudson Valley Psych Center		
Route 9, Poughkeepsie, NY 12601	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: Chris Brown 845-454-2544	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: _____ Title: _____

Signature: _____ Date and Time: _____

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000326260

	Date	Time	Scale
In:	11/9/2015	11:42:43	Scale CE
Out:	11/9/2015	11:42:57	P.T.

	Lbs	Tns
Gross:	82280	41.14
Tare:	26340	13.17
Net:	55940	27.97

Manifest: 1247610
Vehicle ID: 07TEV17
Vehicle Permit:
Customer: PVE SHEFFLER LLC
Facility Approval#: 153071548
Generator: Hudson Valley Psych Cente
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Name: Hudson Valley Psych Center
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	27.97	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____ Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 1247610

GLOBAL JOB NUMBER: 138214 **FACILITY APPROVAL NUMBER:** 153071548

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
Hudson Valley Psych Center		
Route 9, Poughkeepsie, NY 12601	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: Chris Brown 845-454-3544	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: ALAN MACO Title: _____

Signature: _____ Date and Time: 11-09-15

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000326245

	Date	Time	Scale
In:	11/9/2015	11:33:50	Scale CE
Out:	11/9/2015	11:34:02	P.T.

	Lbs	Tns
Gross:	77420	38.71
Tare:	27980	13.99
Net:	49440	24.72

Manifest: 1247611
Vehicle ID: 07TEV7
Vehicle Permit:
Customer: PVE SHEFFLER LLC
Facility Approval#: 153071548
Generator: Hudson Valley Psych Cente
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Name: Hudson Valley Psych Center
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	24.72	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____ Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 1247611

GLOBAL JOB NUMBER: 138214 **FACILITY APPROVAL NUMBER:** 153071548

Please Check One:

- ☒ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Hudson Valley Psych Center Route 9, Poughkeepsie, NY 12601	GROSS WEIGHT: ☐Tons ☐Yards
	TARE WEIGHT: ☐Tons ☐Yards
GENERATOR'S PHONE: Chris Brown 845-454-2544	NET WEIGHT: ☐Tons ☐Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Alan Mason Title: Geologist

Signature: _____ Date and Time: 11/9/15

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000326218

	Date	Time	Scale
In:	11/9/2015	11:18:17	Scale CE
Out:	11/9/2015	11:18:29	P.T.

	Lbs	Tns
Gross:	78940	39.47
Tare:	26860	13.43
Net:	52080	26.04

Manifest: 1247612
Vehicle ID: 07VAL239
Vehicle Permit:
Customer: PVE SHEFFLER LLC
Facility Approval#: 153071548
Generator: Hudson Valley Psych Cente
Job Name: Hudson Valley Psych Center
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	26.04	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____ Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 1247612

GLOBAL JOB NUMBER: 138214 **FACILITY APPROVAL NUMBER:** 153071548

Please Check One:

- ☑ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Hudson Valley Psych Center	GROSS WEIGHT: ☐Tons ☐Yards	
Route 9, Poughkeepsie, NY 12601	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: Chris Brown 845-454-2544	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Alan Mason Title: Geologist

Signature: _____ Date and Time: 11/9/15 ; 0845

TRANSPORTER

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000326239

	Date	Time	Scale
In:	11/9/2015	11:29:22	Scale CE
Out:	11/9/2015	11:29:34	P.T.

	Lbs	Tns
Gross:	88240	44.12
Tare:	27760	13.88
Net:	60480	30.24

Manifest: 1247613
Vehicle ID: 07VAL244
Vehicle Permit:
Customer: PVE SHEFFLER LLC
Facility Approval#: 153071548
Generator: Hudson Valley Psych Cente
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Name: Hudson Valley Psych Center
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	30.24	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____ Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 1247613

GLOBAL JOB NUMBER: 138214 **FACILITY APPROVAL NUMBER:** 153071548

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Hudson Valley Psych Center	GROSS WEIGHT: ☐Tons ☐Yards	
Route 9, Poughkeepsie, NY 12601	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: Chris Brown 845-454-2544	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Alan Mason Title: Geologist

Signature: _____ Date and Time: 11/9/15 : 0855

TRANSPORTER

Company: Valiant Contracting, LLC. Phone Number: 973-334-5668

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000326232

	Date	Time	Scale
In:	11/9/2015	11:24:57	Scale CE
Out:	11/9/2015	11:25:12	P.T.

	Lbs	Tns
Gross:	88360	44.18
Tare:	25420	12.71
Net:	62940	31.47

Manifest: 1247614
Vehicle ID: 07LUCAS10
Vehicle Permit:
Customer: PVE SHEFFLER LLC
Facility Approval#: 153071548
Generator: Hudson Valley Psych Cente
Job Name: Hudson Valley Psych Center
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	31.47	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____ Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 1247614

GLOBAL JOB NUMBER: 138214 **FACILITY APPROVAL NUMBER:** 153071548

Please Check One:

- ☒ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
Hudson Valley Psych Center		
Route 9, Poughkeepsie, NY 12601	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: Chris Brown 845-454-2544	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Mary Mason Title: Geologist
Signature: _____ Date and Time: 11/9/15 @ 0905

TRANSPORTER - Lucas trucking LLC

Company: Valiant Contracting, LLC Phone Number: 973-234-5668

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000326235

	Date	Time	Scale
In:	11/9/2015	11:27:15	Scale CE
Out:	11/9/2015	11:27:27	P.T.

	Lbs	Tns
Gross:	81100	40.55
Tare:	27460	13.73
Net:	53640	26.82

Manifest: 1247615
Vehicle ID: 07H&M74
Vehicle Permit:
Customer: PVE SHEFFLER LLC
Facility Approval#: 153071548
Generator: Hudson Valley Psych Cente
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Name: Hudson Valley Psych Center
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	26.82	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____ Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 1247615

GLOBAL JOB NUMBER: 138214 **FACILITY APPROVAL NUMBER:** 153071548

Please Check One:

- [X] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- [ ] Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Hudson Valley Psych Center	GROSS WEIGHT: ☐Tons ☐Yards	
Route 9, Poughkeepsie, NY 12601	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: Chris Brown 845-454-2544	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Alan Mason Title: Geologist
Signature: Date and Time: 11/9/15, 0635

TRANSPORTER

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000326770

	Date	Time	Scale
In:	11/10/2015	10:15:45	Scale CE
Out:	11/10/2015	10:15:54	P.T.

	Lbs	Tns
Gross:	90380	45.19
Tare:	25420	12.71
Net:	64960	32.48

Manifest: 1247616
Vehicle ID: 07LUCAS10
Vehicle Permit:
Customer: PVE SHEFFLER LLC
Facility Approval#: 153071548
Generator: Hudson Valley Psych Cente
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Name: Hudson Valley Psych Center
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity Unit
Dutchess	Soil Treatment Type II	32.48 Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____ Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 1247616

GLOBAL JOB NUMBER: 138214 **FACILITY APPROVAL NUMBER:** 153071548

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Hudson Valley Psych Center Route 9, Poughkeepsie, NY 12601	GROSS WEIGHT: ☐Tons ☐Yards	
	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: Chris Brown 845-454-4544	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Andrew Spiers Title: ENV Tech
Signature: _____ Date and Time: 11/10/15 AM

TRANSPORTER Lucas trucking #10

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000326851

	Date	Time	Scale
In:	11/10/2015	11:35:20	Scale CE
Out:	11/10/2015	11:35:29	P.T.

	Lbs	Tns
Gross:	93840	46.92
Tare:	26180	13.09
Net:	67660	33.83

Manifest: 1247617
Vehicle ID: 07VAL238
Vehicle Permit:
Customer: PVE SHEFFLER LLC
Facility Approval#: 153071548
Generator: Hudson Valley Psych Cente
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Name: Hudson Valley Psych Center
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	33.83	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____ Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 1247617

GLOBAL JOB NUMBER: 138214 **FACILITY APPROVAL NUMBER:** 153071548

Please Check One:

- ☒ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
Hudson Valley Psych Center		
Route 9, Poughkeepsie NY 12601	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: ~~Chris Brown 845 454 2544~~	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION:

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Andrew Spiers Title: ENV TECH
Signature: Andrew Spiers Date and Time: 11/10/15 AM

TRANSPORTER Truck 220

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000326814

	Date	Time	Scale
In:	11/10/2015	10:59:06	Scale CE
Out:	11/10/2015	10:59:15	P.T.

	Lbs	Tns
Gross:	90840	45.42
Tare:	29300	14.65
Net:	61540	30.77

Manifest: 1247618
Vehicle ID: 07HKS3
Vehicle Permit:
Customer: PVE SHEFFLER LLC
Facility Approval#: 153071548
Generator: Hudson Valley Psych Cente
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Name: Hudson Valley Psych Center
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	30.77	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____ Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 1247618

GLOBAL JOB NUMBER: 138214 **FACILITY APPROVAL NUMBER:** 153071548

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
Hudson Valley Psych Center Route 9, Poughkeepsie, NY 12601	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: Chris Brown 845-454-2544	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Spiegs Title: ENV Tech
Signature: Andrew Spiegs Date and Time: 11/10/15 8 AM

TRANSPORTER HFS 03

Company: Valiant Contracting, LLC HFS Phone Number: 973-234-5888
Address: [illegible] Truck # and License Plate: AK756T

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000326808

	Date	Time	Scale
In:	11/10/2015	10:54:15	Scale CE
Out:	11/10/2015	10:54:25	P.T.

	Lbs	Tns
Gross:	90120	45.06
Tare:	25220	12.61
Net:	64900	32.45

Manifest: 1247619
Vehicle ID: 07VAL235
Vehicle Permit:
Customer: PVE SHEFFLER LLC
Facility Approval#: 153071548
, Generator: Hudson Valley Psych Cente
Job Name: Hudson Valley Psych Center
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	32.45	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____ Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 1247619

GLOBAL JOB NUMBER: 138214 **FACILITY APPROVAL NUMBER:** 153071548

Please Check One:

☑ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Hudson Valley Psych Center Route 9, Poughkeepsie, NY 12601	GROSS WEIGHT: ☐Tons ☐Yards	
	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: ~~Chris Brown 845-454-4544~~	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Spiers Title: ENVTech
Signature: Andrew Spiers Date and Time: 11/10/15 8AM

TRANSPORTER

Company: Veliart Contracting, LLC #235 Phone Number: 973-[illegible]

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000326848

	Date	Time	Scale
In:	11/10/2015	11:33:16	Scale CE
Out:	11/10/2015	11:33:26	P.T.

	Lbs	Tns
Gross:	90940	45.47
Tare:	27960	13.98
Net:	62980	31.49

Manifest: 1247620
Vehicle ID: 07VAL234
Vehicle Permit:
Customer: PVE SHEFFLER LLC
Facility Approval#: 153071548
Generator: Hudson Valley Psych Cente
Job Name: Hudson Valley Psych Center
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	31.49	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____ Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 1247620

GLOBAL JOB NUMBER: 138214 **FACILITY APPROVAL NUMBER:** 153071548

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
Hudson Valley Psych Center Route 9, Poughkeepsie, NY 12601	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: Chris Brown 845-454-2544	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Sievers Title: Env Tech
Signature: Andrew Sievers Date and Time: 11/10/15 8AM

TRANSPORTER

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000327103

	Date	Time	Scale
In:	11/10/2015	15:49:11	Scale CE
Out:	11/10/2015	15:49:32	P.T.

	Lbs	Tns
Gross:	81980	40.99
Tare:	28120	14.06
Net:	53860	26.93

Manifest: 1247621
Vehicle ID: 07VAL232
Vehicle Permit:
Customer: PVE SHEFFLER LLC
Facility Approval#: 153071548
Generator: Hudson Valley Psych Cente
Job Name: Hudson Valley Psych Center
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	26.93	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____ Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 1247621

GLOBAL JOB NUMBER: 138214 **FACILITY APPROVAL NUMBER:** 153071548

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
Hudson Valley Psych Center		
Route 9, Poughkeepsie, NY 12601	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: ~~Chris Brown 845-454-4b44~~	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Spiers Title: Env Tech
Signature: Andrew Spiers Date and Time: 11/10/15 8AM

TRANSPORTER

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000326868

	Date	Time	Scale
In:	11/10/2015	11:48:44	Scale CE
Out:	11/10/2015	11:48:53	P.T.

	Lbs	Tns
Gross:	94260	47.13
Tare:	28540	14.27
Net:	65720	32.86

Manifest: 1247622
Vehicle ID: 07HKS2
Vehicle Permit:
Customer: PVE SHEFFLER LLC
Facility Approval#: 153071548
Generator: Hudson Valley Psych Cente
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Name: Hudson Valley Psych Center
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	32.86	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____ Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 1247622

GLOBAL JOB NUMBER: 138214 **FACILITY APPROVAL NUMBER:** 153071548

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
Hudson Valley Psych Center		
Route 9, Poughkeepsie, NY 12601	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: ~~Chris Brown 845-454-2544~~	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Spiers Title: Env Tech
Signature: Andrew Spiers Date and Time: 11/10/15 8 AM

TRANSPORTER

LVSD

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000326905

	Date	Time	Scale
In:	11/10/2015	12:26:19	Scale CE
Out:	11/10/2015	12:26:28	P.T.

	Lbs	Tns
Gross:	88080	44.04
Tare:	26180	13.09
Net:	61900	30.95

Manifest: 1247623
Vehicle ID: 07VAL224
Vehicle Permit:
Customer: PVE SHEFFLER LLC
Facility Approval#: 153071548
Generator: Hudson Valley Psych Cente
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Name: Hudson Valley Psych Center
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	30.95	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____ Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 1247623

GLOBAL JOB NUMBER: 138214 **FACILITY APPROVAL NUMBER:** 153071548

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Hudson Valley Psych Center Route 9, Poughkeepsie, NY 12601	GROSS WEIGHT: ☐Tons ☐Yards	
	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: Chris Brown 845-454-2544	NET WEIGHT: ☐Tons ☐Yards	
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION		

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Spiers Title: Env Tech
Signature: [signature] Date and Time: 11/10/15 8AM

TRANSPORTER

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000326963

	Date	Time	Scale
In:	11/10/2015	13:21:48	Scale CE
Out:	11/10/2015	13:21:59	P.T.

	Lbs	Tns
Gross:	77300	38.65
Tare:	28240	14.12
Net:	49060	24.53

Manifest: 1247624
Vehicle ID: 07VAL236
Vehicle Permit:
Customer: PVE SHEFFLER LLC
Facility Approval#: 153071548
Generator: Hudson Valley Psych Cente
Job Name: Hudson Valley Psych Center
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	24.53	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____ Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 1247624

GLOBAL JOB NUMBER: 138214 **FACILITY APPROVAL NUMBER:** 153071548

Please Check One:

- ☑ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
Hudson Valley Psych Center Route 9, Poughkeepsie, NY 12601	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: Chris Brown 845-454-2544	NET WEIGHT: ☑Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Spiers Title: Env Tech
Signature: Andrew Spiers Date and Time: 11/10/15 8AM

TRANSPORTER

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000326970

	Date	Time	Scale
In:	11/10/2015	13:26:56	Scale CE
Out:	11/10/2015	13:27:08	P.T.

	Lbs	Tns
Gross:	85800	42.90
Tare:	27900	13.95
Net:	57900	28.95

Manifest: 1247625
Vehicle ID: 07VAL231
Vehicle Permit:
Customer: PVE SHEFFLER LLC
Facility Approval#: 153071548
Generator: Hudson Valley Psych Cente
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Name: Hudson Valley Psych Center
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	28.95	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____ Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 1247625

GLOBAL JOB NUMBER: 138214 **FACILITY APPROVAL NUMBER:** 153071548

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Hudson Valley Psych Center Route 9, Poughkeepsie, NY 12601	GROSS WEIGHT: ☐Tons ☐Yards	
	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: ~~Chris Brown 845-454-2544~~	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Spiers Title: Env Tech

Signature: Andrew Spiers Date and Time: 11/10/15 8AM

TRANSPORTER

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000327089

	Date	Time	Scale
In:	11/10/2015	15:37:30	Scale CE
Out:	11/10/2015	15:37:51	P.T.

	Lbs	Tns
Gross:	37900	18.95
Tare:	25220	12.61
Net:	12680	6.34

Manifest: 1247628
Vehicle ID: 07VAL235
Vehicle Permit:
Customer: PVE SHEFFLER LLC

Facility Approval#: 153071548

Generator: Hudson Valley Psych Cente
Gen Address: Route 9
Poughkeepsie, NY 12601

Job Name: Hudson Valley Psych Center
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	6.34	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____ Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 124762

GLOBAL JOB NUMBER: 138214 **FACILITY APPROVAL NUMBER:** 153071548

Please Check One:

- ☐ Clean Earth of Carteret — 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland — 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle — 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington — 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia — 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey — 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania — 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
~~Hudson Valley Psych Center~~ ~~Route 9, Poughkeepsie, NY 12601~~	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: Chris Brown 845-454-2544	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000327078

	Date	Time	Scale
In:	11/10/2015	15:28:43	Scale CE
Out:	11/10/2015	15:28:56	P.T.

	Lbs	Tns
Gross:	44820	22.41
Tare:	27440	13.72
Net:	17380	8.69

Manifest: 1247629
Vehicle ID: 07VAL240
Vehicle Permit:
Customer: PVE SHEFFLER LLC
Facility Approval#: 153071548
Generator: Hudson Valley Psych Cente
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Name: Hudson Valley Psych Center
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	8.69	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____
Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 124762

GLOBAL JOB NUMBER: 138214 **FACILITY APPROVAL NUMBER:** 153071548

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washingto, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
Hudson Valley Psych Center Route 9, Poughkeepsie NY 12601	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: ~~Chris Brown 845-454-2544~~	NET WEIGHT: ☐Tons ☐Yards	
DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION		

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000327075

	Date	Time	Scale
In:	11/10/2015	15:25:52	Scale CE
Out:	11/10/2015	15:26:03	P.T.

	Lbs	Tns
Gross:	84680	42.34
Tare:	25420	12.71
Net:	59260	29.63

Manifest: 1247630
Vehicle ID: 07LUCAS10
Vehicle Permit:
Customer: PVE SHEFFLER LLC
Facility Approval#: 153071548
Generator: Hudson Valley Psych Cente
Job Name: Hudson Valley Psych Center
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	29.63	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____ Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 1247630

GLOBAL JOB NUMBER: ~~138214~~ **FACILITY APPROVAL NUMBER:** ~~153071548~~

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
~~Hudson Valley Psych Center~~		
~~Route 9, Poughkeepsie, NY 12601~~	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: Chris Brown 845-454-2544	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Sykes Title: ENV Tech
Signature: _____ Date and Time: 11/10/15 12PM

TRANSPORTER

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000327062

	Date	Time	Scale
In:	11/10/2015	15:02:31	Scale CE
Out:	11/10/2015	15:02:51	P.T.

	Lbs	Tns
Gross:	80700	40.35
Tare:	27900	13.95
Net:	52800	26.40

Manifest: 1247631
Vehicle ID: 07VAL248
Vehicle Permit:
Customer: PVE SHEFFLER LLC
Facility Approval#: 153071548
Generator: Hudson Valley Psych Cente
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Name: Hudson Valley Psych Center
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	26.40	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____

Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 1247631

GLOBAL JOB NUMBER: 138214 **FACILITY APPROVAL NUMBER:** 153071548

Please Check One:

- ☐ Clean Earth of Carteret — 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland — 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle — 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington — 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia — 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey — 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania — 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Hudson Valley Psych Center Route 9, Poughkeepsie, NY 12601	GROSS WEIGHT: ☐Tons ☐Yards
	TARE WEIGHT: ☐Tons ☐Yards
GENERATOR'S PHONE: ~~Chris Brown 845-454-3544~~	NET WEIGHT: ☐Tons ☐Yards

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Andrew Spiers Title: Env Tech

Signature: _____ Date and Time: 11/10/15 12PM

TRANSPORTER

Company: Phone Number:

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000326792

	Date	Time	Scale
In:	11/10/2015	10:37:34	Scale CE
Out:	11/10/2015	10:37:44	P.T.

	Lbs	Tns
Gross:	91160	45.58
Tare:	27460	13.73
Net:	63700	31.85

Manifest: 1247632
Vehicle ID: 07H&M74
Vehicle Permit:
Customer: PVE SHEFFLER LLC
Facility Approval#: 153071548
Generator: Hudson Valley Psych Cente
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Name: Hudson Valley Psych Center
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	31.85	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____ Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 1247632

GLOBAL JOB NUMBER: ~~138214~~ **FACILITY APPROVAL NUMBER:** ~~153071548~~

Please Check One:

☒ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
~~Hudson Valley Psych Center~~ ~~Route 9, Poughkeepsie, NY 12601~~	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: Chris Brown 845-454-2544	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

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Name: Andrew Spiers Title: ENV Tech

Signature: Andrew Spiers Date and Time: 11/10/15 8AM

TRANSPORTER

Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: (732) 541-8909 Fax: (732) 541-8105

Ticket: 700000326781

	Date	Time	Scale
In:	11/10/2015	10:25:13	Scale CE
Out:	11/10/2015	10:25:25	P.T.

	Lbs	Tns
Gross:	88520	44.26
Tare:	27440	13.72
Net:	61080	30.54

Manifest: 1247633
Vehicle ID: 07VAL240
Vehicle Permit:
Customer: PVE SHEFFLER LLC

Facility Approval#: 153071548
Generator: Hudson Valley Psych Cente
Gen Address: Route 9
Poughkeepsie, NY 12601
Job Name: Hudson Valley Psych Center
Job Address: Route 9
Poughkeepsie, NY 12601

Origin	Materials & Services	Quantity	Unit
Dutchess	Soil Treatment Type II	30.54	Tns

Contaminate Type: 2 Oil
Treatment Type: Bio
Fac Waste Code: Petroleum Contaminated Soil
Storage Area: Not Applicable
Comment:

Driver: _____

Facility: _____
Washington, Yoland

GENERATOR

CLEANEARTH

Manifest # 1247633

GLOBAL JOB NUMBER: 138214 **FACILITY APPROVAL NUMBER:** 153071548

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
Hudson Valley Psych Center Route 9, Poughkeepsie, NY 12601	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: ~~Chris Breen 845 454 3541~~	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Andrew Sievers Title: Env Tech

Signature: [signature] Date and Time: 11/10/15 8 AM

TRANSPORTER

Appendix I:

Re-used Soil Lab Reports

ANALYTICAL REPORT

Job Number: 420-95893-1

SDG Number: HRPC-IRM Powerhouse

Job Description: PVE Sheffler

For:
PVE Sheffler
48 Springside Ave.
Poughkeepsie, NY 12601

Attention: Christopher B. Brown



Meredith W Ruthven
Customer Service Manager
mruthven@envirotestlaboratories.com
10/08/2015

cc: Tara Alvarado

NYSDOH ELAP does not certify for all parameters. EnviroTest Laboratories does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval of the laboratory. EnviroTest Laboratories Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our laboratory. All questions regarding this report should be directed to the EnviroTest Customer Service Representative.

EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOPH PH-0554

METHOD SUMMARY

Client: PVE Sheffler

Job Number: 420-95893-1
SDG Number: HRPC-IRM Powerhouse

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Inductively Coupled Plasma - Atomic Emission Spectrometry	EnvTest	SW846 6010C	
Microwave Assisted Acid Digestion of Sediments,	EnvTest		SW846 3051A
Hg in Solids & Semi-solids	EnvTest	SW846 7471B	
Mercury in Solid or Semi-Solid Waste (Manual Cold	EnvTest		SW846 7471B
Organochlorine Pesticides by Gas Chromatography	EnvTest	SW846 8081B	
Microwave Extraction	EnvTest		SW846 3546
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	EnvTest	SW846 8082A	
Microwave Extraction	EnvTest		SW846 3546
Volatile Organic Compounds by GC/MS	EnvTest	SW846 8260C	
Closed System Purge & Trap Low Level	EnvTest		EPA 5035-L
Semivolatile Compounds by GC/MS	EnvTest	SW846 8270D	
Microwave Extraction	EnvTest		SW846 3546

Lab References:

EnvTest = EnviroTest

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: PVE Sheffler

Job Number: 420-95893-1
SDG Number: HRPC-IRM Powerhouse

Method	Analyst	Analyst ID
SW846 8260C	Andersen, Eric C	ECA
SW846 8270D	Labare, Alicia M	AML
SW846 8081B	Palentino, Gus J	GJP
SW846 8082A	Palentino, Gus J	GJP
SW846 6010C	Sirico, Derek	DS
SW846 7471B	Sirico, Derek	DS
SM SM2540B PSOL	Sirico, Derek	DS

SAMPLE SUMMARY

Client: PVE Sheffler

Job Number: 420-95893-1
SDG Number: HRPC-IRM Powerhouse

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-95893-1	SP-01 20151002	Solid	10/02/2015 1243	10/02/2015 1600
420-95893-2	SP-02 20151002	Solid	10/02/2015 1252	10/02/2015 1600
420-95893-3	SP-03 20151002	Solid	10/02/2015 1255	10/02/2015 1600
420-95893-4	SP-04 20151002	Solid	10/02/2015 1300	10/02/2015 1600
420-95893-5	SP-05 20151002	Solid	10/02/2015 1307	10/02/2015 1600
420-95893-6	SP-Comp 01 20151002	Solid	10/02/2015 1320	10/02/2015 1600
420-95893-7	SP-Comp 02 20151002	Solid	10/02/2015 1314	10/02/2015 1600

Christopher B. Brown
PVE Sheffler
48 Springside Ave.
Poughkeepsie, NY 12601

Job Number: 420-95893-1
Sdg Number: HRPC-IRM Powerhouse

Client Sample ID: **SP-01 20151002**
Lab Sample ID: **420-95893-1**

Date Sampled: 10/02/2015 1243
Date Received: 10/02/2015 1600
Client Matrix: Solid
Percent Solids: 82

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	10/02/2015 1753		
Prep Method: 5035-L			Date Prepared:	10/02/2015 1753		
1,2,4-Trimethylbenzene	0.000059	U	mg/Kg Dry	0.000059	0.0011	1.0
1,2-Dichlorobenzene	0.000036	U	mg/Kg Dry	0.000036	0.0011	1.0
1,2-Dichloroethane	0.000022	U	mg/Kg Dry	0.000022	0.0011	1.0
1,3,5-Trimethylbenzene	0.000059	U	mg/Kg Dry	0.000059	0.0011	1.0
1,3-Dichlorobenzene	0.000051	U	mg/Kg Dry	0.000051	0.0011	1.0
1,4-Dichlorobenzene	0.000059	U	mg/Kg Dry	0.000059	0.0011	1.0
1,4-Dioxane	0.0015	U	mg/Kg Dry	0.0015	0.0017	1.0
Benzene	0.000022	U	mg/Kg Dry	0.000022	0.0011	1.0
Chlorobenzene	0.000035	U	mg/Kg Dry	0.000035	0.0011	1.0
Chloroform	0.000020	U	mg/Kg Dry	0.000020	0.0011	1.0
Ethylbenzene	0.000044	U	mg/Kg Dry	0.000044	0.0011	1.0
n-Butylbenzene	0.000026	U	mg/Kg Dry	0.000026	0.0011	1.0
N-Propylbenzene	0.000069	U	mg/Kg Dry	0.000069	0.0011	1.0
sec-Butylbenzene	0.000078	U	mg/Kg Dry	0.000078	0.0011	1.0
tert-Butylbenzene	0.000050	U	mg/Kg Dry	0.000050	0.0011	1.0
Toluene	0.00052	J	mg/Kg Dry	0.000022	0.0011	1.0
Xylenes, Total	0.00011	U	mg/Kg Dry	0.00011	0.0022	1.0
1,1,1-Trichloroethane	0.000028	U	mg/Kg Dry	0.000028	0.0011	1.0
1,1-Dichloroethane	0.000016	U	mg/Kg Dry	0.000016	0.0011	1.0
1,1-Dichloroethene	0.000037	U	mg/Kg Dry	0.000037	0.0011	1.0
Carbon tetrachloride	0.000036	U	mg/Kg Dry	0.000036	0.0011	1.0
cis-1,2-Dichloroethene	0.000022	U	mg/Kg Dry	0.000022	0.0011	1.0
Methylene Chloride	0.000034	U	mg/Kg Dry	0.000034	0.0011	1.0
Tetrachloroethene	0.00011	U	mg/Kg Dry	0.00011	0.0011	1.0
trans-1,2-Dichloroethene	0.000040	U	mg/Kg Dry	0.000040	0.0011	1.0
Trichloroethene	0.000045	U	mg/Kg Dry	0.000045	0.0011	1.0
Vinyl chloride	0.000035	U	mg/Kg Dry	0.000035	0.0011	1.0
2-Butanone (MEK)	0.00034	U	mg/Kg Dry	0.00034	0.0011	1.0
Methyl tert-butyl ether	0.000017	U	mg/Kg Dry	0.000017	0.0011	1.0
Acetone	0.00023	U	mg/Kg Dry	0.00023	0.0056	1.0

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	107	%	72 - 143
4-Bromofluorobenzene	98	%	49 - 138
1,2-Dichloroethane-d4 (Surr)	88	%	73 - 128

Christopher B. Brown
PVE Sheffler
48 Springside Ave.
Poughkeepsie, NY 12601

Job Number: 420-95893-1
Sdg Number: HRPC-IRM Powerhouse

Client Sample ID: **SP-02 20151002**
Lab Sample ID: **420-95893-2**

Date Sampled: 10/02/2015 1252
Date Received: 10/02/2015 1600
Client Matrix: Solid
Percent Solids: 83

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	10/02/2015 1829		
Prep Method: 5035-L			Date Prepared:	10/02/2015 1829		
1,2,4-Trimethylbenzene	0.000059	U	mg/Kg Dry	0.000059	0.0011	1.0
1,2-Dichlorobenzene	0.000036	U	mg/Kg Dry	0.000036	0.0011	1.0
1,2-Dichloroethane	0.000022	U	mg/Kg Dry	0.000022	0.0011	1.0
1,3,5-Trimethylbenzene	0.000059	U	mg/Kg Dry	0.000059	0.0011	1.0
1,3-Dichlorobenzene	0.000051	U	mg/Kg Dry	0.000051	0.0011	1.0
1,4-Dichlorobenzene	0.000059	U	mg/Kg Dry	0.000059	0.0011	1.0
1,4-Dioxane	0.0014	U	mg/Kg Dry	0.0014	0.0017	1.0
Benzene	0.000022	U	mg/Kg Dry	0.000022	0.0011	1.0
Chlorobenzene	0.000035	U	mg/Kg Dry	0.000035	0.0011	1.0
Chloroform	0.000020	U	mg/Kg Dry	0.000020	0.0011	1.0
Ethylbenzene	0.000043	U	mg/Kg Dry	0.000043	0.0011	1.0
n-Butylbenzene	0.000026	U	mg/Kg Dry	0.000026	0.0011	1.0
N-Propylbenzene	0.000069	U	mg/Kg Dry	0.000069	0.0011	1.0
sec-Butylbenzene	0.000078	U	mg/Kg Dry	0.000078	0.0011	1.0
tert-Butylbenzene	0.000050	U	mg/Kg Dry	0.000050	0.0011	1.0
Toluene	0.000022	U	mg/Kg Dry	0.000022	0.0011	1.0
Xylenes, Total	0.00011	U	mg/Kg Dry	0.00011	0.0022	1.0
1,1,1-Trichloroethane	0.000028	U	mg/Kg Dry	0.000028	0.0011	1.0
1,1-Dichloroethane	0.000016	U	mg/Kg Dry	0.000016	0.0011	1.0
1,1-Dichloroethene	0.000037	U	mg/Kg Dry	0.000037	0.0011	1.0
Carbon tetrachloride	0.000036	U	mg/Kg Dry	0.000036	0.0011	1.0
cis-1,2-Dichloroethene	0.000022	U	mg/Kg Dry	0.000022	0.0011	1.0
Methylene Chloride	0.000033	U	mg/Kg Dry	0.000033	0.0011	1.0
Tetrachloroethene	0.00011	U	mg/Kg Dry	0.00011	0.0011	1.0
trans-1,2-Dichloroethene	0.000040	U	mg/Kg Dry	0.000040	0.0011	1.0
Trichloroethene	0.000045	U	mg/Kg Dry	0.000045	0.0011	1.0
Vinyl chloride	0.000035	U	mg/Kg Dry	0.000035	0.0011	1.0
2-Butanone (MEK)	0.00033	U	mg/Kg Dry	0.00033	0.0011	1.0
Methyl tert-butyl ether	0.000017	U	mg/Kg Dry	0.000017	0.0011	1.0
Acetone	0.00023	U	mg/Kg Dry	0.00023	0.0056	1.0

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	108	%	72 - 143
4-Bromofluorobenzene	94	%	49 - 138
1,2-Dichloroethane-d4 (Surr)	88	%	73 - 128

Christopher B. Brown
PVE Sheffler
48 Springside Ave.
Poughkeepsie, NY 12601

Job Number: 420-95893-1
Sdg Number: HRPC-IRM Powerhouse

Client Sample ID: **SP-03 20151002**
Lab Sample ID: **420-95893-3**

Date Sampled: 10/02/2015 1255
Date Received: 10/02/2015 1600
Client Matrix: Solid
Percent Solids: 87

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	10/02/2015 1904		
Prep Method: 5035-L			Date Prepared:	10/02/2015 1904		
1,2,4-Trimethylbenzene	0.000057	U	mg/Kg Dry	0.000057	0.0011	1.0
1,2-Dichlorobenzene	0.000034	U	mg/Kg Dry	0.000034	0.0011	1.0
1,2-Dichloroethane	0.000021	U	mg/Kg Dry	0.000021	0.0011	1.0
1,3,5-Trimethylbenzene	0.000057	U	mg/Kg Dry	0.000057	0.0011	1.0
1,3-Dichlorobenzene	0.000049	U	mg/Kg Dry	0.000049	0.0011	1.0
1,4-Dichlorobenzene	0.000057	U	mg/Kg Dry	0.000057	0.0011	1.0
1,4-Dioxane	0.0014	U	mg/Kg Dry	0.0014	0.0016	1.0
Benzene	0.000021	U	mg/Kg Dry	0.000021	0.0011	1.0
Chlorobenzene	0.000033	U	mg/Kg Dry	0.000033	0.0011	1.0
Chloroform	0.000019	U	mg/Kg Dry	0.000019	0.0011	1.0
Ethylbenzene	0.00038	J	mg/Kg Dry	0.000042	0.0011	1.0
n-Butylbenzene	0.000025	U	mg/Kg Dry	0.000025	0.0011	1.0
N-Propylbenzene	0.000066	U	mg/Kg Dry	0.000066	0.0011	1.0
sec-Butylbenzene	0.000075	U	mg/Kg Dry	0.000075	0.0011	1.0
tert-Butylbenzene	0.000048	U	mg/Kg Dry	0.000048	0.0011	1.0
Toluene	0.00099	J	mg/Kg Dry	0.000021	0.0011	1.0
Xylenes, Total	0.0013	J	mg/Kg Dry	0.00011	0.0021	1.0
1,1,1-Trichloroethane	0.000027	U	mg/Kg Dry	0.000027	0.0011	1.0
1,1-Dichloroethane	0.000015	U	mg/Kg Dry	0.000015	0.0011	1.0
1,1-Dichloroethene	0.000035	U	mg/Kg Dry	0.000035	0.0011	1.0
Carbon tetrachloride	0.000034	U	mg/Kg Dry	0.000034	0.0011	1.0
cis-1,2-Dichloroethene	0.000021	U	mg/Kg Dry	0.000021	0.0011	1.0
Methylene Chloride	0.000032	U	mg/Kg Dry	0.000032	0.0011	1.0
Tetrachloroethene	0.00011	U	mg/Kg Dry	0.00011	0.0011	1.0
trans-1,2-Dichloroethene	0.000038	U	mg/Kg Dry	0.000038	0.0011	1.0
Trichloroethene	0.000043	U	mg/Kg Dry	0.000043	0.0011	1.0
Vinyl chloride	0.000033	U	mg/Kg Dry	0.000033	0.0011	1.0
2-Butanone (MEK)	0.00032	U	mg/Kg Dry	0.00032	0.0011	1.0
Methyl tert-butyl ether	0.000016	U	mg/Kg Dry	0.000016	0.0011	1.0
Acetone	0.00022	U	mg/Kg Dry	0.00022	0.0053	1.0

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	118	%	72 - 143
4-Bromofluorobenzene	85	%	49 - 138
1,2-Dichloroethane-d4 (Surr)	86	%	73 - 128

Christopher B. Brown
PVE Sheffler
48 Springside Ave.
Poughkeepsie, NY 12601

Job Number: 420-95893-1
Sdg Number: HRPC-IRM Powerhouse

Client Sample ID: **SP-04 20151002**
Lab Sample ID: **420-95893-4**

Date Sampled: 10/02/2015 1300
Date Received: 10/02/2015 1600
Client Matrix: Solid
Percent Solids: 87

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	10/02/2015 1939		
Prep Method: 5035-L			Date Prepared:	10/02/2015 1939		
1,2,4-Trimethylbenzene	0.000060	U	mg/Kg Dry	0.000060	0.0011	1.0
1,2-Dichlorobenzene	0.000036	U	mg/Kg Dry	0.000036	0.0011	1.0
1,2-Dichloroethane	0.000023	U	mg/Kg Dry	0.000023	0.0011	1.0
1,3,5-Trimethylbenzene	0.000060	U	mg/Kg Dry	0.000060	0.0011	1.0
1,3-Dichlorobenzene	0.000052	U	mg/Kg Dry	0.000052	0.0011	1.0
1,4-Dichlorobenzene	0.000060	U	mg/Kg Dry	0.000060	0.0011	1.0
1,4-Dioxane	0.0015	U	mg/Kg Dry	0.0015	0.0017	1.0
Benzene	0.000023	U	mg/Kg Dry	0.000023	0.0011	1.0
Chlorobenzene	0.000035	U	mg/Kg Dry	0.000035	0.0011	1.0
Chloroform	0.000020	U	mg/Kg Dry	0.000020	0.0011	1.0
Ethylbenzene	0.00039	J	mg/Kg Dry	0.000044	0.0011	1.0
n-Butylbenzene	0.000026	U	mg/Kg Dry	0.000026	0.0011	1.0
N-Propylbenzene	0.000071	U	mg/Kg Dry	0.000071	0.0011	1.0
sec-Butylbenzene	0.000080	U	mg/Kg Dry	0.000080	0.0011	1.0
tert-Butylbenzene	0.000051	U	mg/Kg Dry	0.000051	0.0011	1.0
Toluene	0.00091	J	mg/Kg Dry	0.000023	0.0011	1.0
Xylenes, Total	0.00095	J	mg/Kg Dry	0.00011	0.0023	1.0
1,1,1-Trichloroethane	0.000028	U	mg/Kg Dry	0.000028	0.0011	1.0
1,1-Dichloroethane	0.000016	U	mg/Kg Dry	0.000016	0.0011	1.0
1,1-Dichloroethene	0.000038	U	mg/Kg Dry	0.000038	0.0011	1.0
Carbon tetrachloride	0.000036	U	mg/Kg Dry	0.000036	0.0011	1.0
cis-1,2-Dichloroethene	0.000023	U	mg/Kg Dry	0.000023	0.0011	1.0
Methylene Chloride	0.000034	U	mg/Kg Dry	0.000034	0.0011	1.0
Tetrachloroethene	0.00011	U	mg/Kg Dry	0.00011	0.0011	1.0
trans-1,2-Dichloroethene	0.000041	U	mg/Kg Dry	0.000041	0.0011	1.0
Trichloroethene	0.000046	U	mg/Kg Dry	0.000046	0.0011	1.0
Vinyl chloride	0.000035	U	mg/Kg Dry	0.000035	0.0011	1.0
2-Butanone (MEK)	0.00034	U	mg/Kg Dry	0.00034	0.0011	1.0
Methyl tert-butyl ether	0.000017	U	mg/Kg Dry	0.000017	0.0011	1.0
Acetone	0.043		mg/Kg Dry	0.00024	0.0057	1.0

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	113	%	72 - 143
4-Bromofluorobenzene	83	%	49 - 138
1,2-Dichloroethane-d4 (Surr)	89	%	73 - 128

Christopher B. Brown
PVE Sheffler
48 Springside Ave.
Poughkeepsie, NY 12601

Job Number: 420-95893-1
Sdg Number: HRPC-IRM Powerhouse

Client Sample ID: **SP-05 20151002**
Lab Sample ID: **420-95893-5**

Date Sampled: 10/02/2015 1307
Date Received: 10/02/2015 1600
Client Matrix: Solid
Percent Solids: 88

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	10/02/2015 2015		
Prep Method: 5035-L			Date Prepared:	10/02/2015 2015		
1,2,4-Trimethylbenzene	0.0020		mg/Kg Dry	0.000061	0.0012	1.0
1,2-Dichlorobenzene	0.000037	U	mg/Kg Dry	0.000037	0.0012	1.0
1,2-Dichloroethane	0.000023	U	mg/Kg Dry	0.000023	0.0012	1.0
1,3,5-Trimethylbenzene	0.00040	J	mg/Kg Dry	0.000061	0.0012	1.0
1,3-Dichlorobenzene	0.000053	U	mg/Kg Dry	0.000053	0.0012	1.0
1,4-Dichlorobenzene	0.000061	U	mg/Kg Dry	0.000061	0.0012	1.0
1,4-Dioxane	0.0015	U	mg/Kg Dry	0.0015	0.0017	1.0
Benzene	0.000023	U	mg/Kg Dry	0.000023	0.0012	1.0
Chlorobenzene	0.000036	U	mg/Kg Dry	0.000036	0.0012	1.0
Chloroform	0.000021	U	mg/Kg Dry	0.000021	0.0012	1.0
Ethylbenzene	0.00068	J	mg/Kg Dry	0.000045	0.0012	1.0
n-Butylbenzene	0.0011	J	mg/Kg Dry	0.000027	0.0012	1.0
N-Propylbenzene	0.000072	U	mg/Kg Dry	0.000072	0.0012	1.0
sec-Butylbenzene	0.00070	J	mg/Kg Dry	0.000081	0.0012	1.0
tert-Butylbenzene	0.000052	U	mg/Kg Dry	0.000052	0.0012	1.0
Toluene	0.0014		mg/Kg Dry	0.000023	0.0012	1.0
Xylenes, Total	0.0029		mg/Kg Dry	0.00012	0.0023	1.0
1,1,1-Trichloroethane	0.000029	U	mg/Kg Dry	0.000029	0.0012	1.0
1,1-Dichloroethane	0.000016	U	mg/Kg Dry	0.000016	0.0012	1.0
1,1-Dichloroethene	0.000038	U	mg/Kg Dry	0.000038	0.0012	1.0
Carbon tetrachloride	0.000037	U	mg/Kg Dry	0.000037	0.0012	1.0
cis-1,2-Dichloroethene	0.000023	U	mg/Kg Dry	0.000023	0.0012	1.0
Methylene Chloride	0.000035	U	mg/Kg Dry	0.000035	0.0012	1.0
Tetrachloroethene	0.00012	U	mg/Kg Dry	0.00012	0.0012	1.0
trans-1,2-Dichloroethene	0.000042	U	mg/Kg Dry	0.000042	0.0012	1.0
Trichloroethene	0.000046	U	mg/Kg Dry	0.000046	0.0012	1.0
Vinyl chloride	0.000036	U	mg/Kg Dry	0.000036	0.0012	1.0
2-Butanone (MEK)	0.00035	U	mg/Kg Dry	0.00035	0.0012	1.0
Methyl tert-butyl ether	0.000017	U	mg/Kg Dry	0.000017	0.0012	1.0
Acetone	0.082		mg/Kg Dry	0.00024	0.0058	1.0

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	111	%	72 - 143
4-Bromofluorobenzene	88	%	49 - 138
1,2-Dichloroethane-d4 (Surr)	88	%	73 - 128

Christopher B. Brown
PVE Sheffler
48 Springside Ave.
Poughkeepsie, NY 12601

Job Number: 420-95893-1
Sdg Number: HRPC-IRM Powerhouse

Client Sample ID: **SP-Comp 01 20151002**
Lab Sample ID: **420-95893-6**

Date Sampled: 10/02/2015 1320
Date Received: 10/02/2015 1600
Client Matrix: Solid
Percent Solids: 84

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8270D			Date Analyzed:	10/06/2015 1330		
Prep Method: 3546			Date Prepared:	10/05/2015 1000		
2-Methylphenol	0.12	U	mg/Kg Dry	0.12	0.38	1.0
3 & 4 Methylphenol	0.10	U	mg/Kg Dry	0.10	0.38	1.0
Acenaphthene	0.097	U	mg/Kg Dry	0.097	0.38	1.0
Acenaphthylene	0.085	U	mg/Kg Dry	0.085	0.38	1.0
Anthracene	0.17	J	mg/Kg Dry	0.093	0.38	1.0
Benzo[a]anthracene	0.53		mg/Kg Dry	0.069	0.38	1.0
Benzo[a]pyrene	0.51		mg/Kg Dry	0.057	0.38	1.0
Benzo[b]fluoranthene	0.89		mg/Kg Dry	0.081	0.38	1.0
Benzo[g,h,i]perylene	0.16	J	mg/Kg Dry	0.079	0.38	1.0
Benzo[k]fluoranthene	0.27	J	mg/Kg Dry	0.065	0.38	1.0
Chrysene	0.73		mg/Kg Dry	0.073	0.38	1.0
Dibenz(a,h)anthracene	0.073	U	mg/Kg Dry	0.073	0.38	1.0
Dibenzofuran	0.27	J	mg/Kg Dry	0.12	0.38	1.0
Fluoranthene	0.99		mg/Kg Dry	0.073	0.38	1.0
Fluorene	0.086	U	mg/Kg Dry	0.086	0.38	1.0
Hexachlorobenzene	0.083	U	mg/Kg Dry	0.083	0.38	1.0
Indeno[1,2,3-cd]pyrene	0.12	J	mg/Kg Dry	0.074	0.38	1.0
Naphthalene	0.80		mg/Kg Dry	0.084	0.38	1.0
Pentachlorophenol	0.10	U	mg/Kg Dry	0.10	2.8	1.0
Phenol	0.091	U	mg/Kg Dry	0.091	0.38	1.0
Phenanthrene	0.90		mg/Kg Dry	0.099	0.38	1.0
Pyrene	1.6		mg/Kg Dry	0.081	0.38	1.0

Surrogate				Acceptance Limits
2-Fluorophenol	77		%	10 - 120
Nitrobenzene-d5	61		%	10 - 120
Phenol-d5	74		%	10 - 120
Terphenyl-d14	150	X	%	10 - 120
2-Fluorobiphenyl	70		%	10 - 120
2,4,6 - Tribromophenol	103		%	10 - 120

Method: 8081B			Date Analyzed:	10/06/2015 1648		
Prep Method: 3546			Date Prepared:	10/06/2015 1000		
4,4'-DDD	0.00035	U	mg/Kg Dry	0.00035	0.0011	1.0
4,4'-DDE	0.00029	U	mg/Kg Dry	0.00029	0.00086	1.0
4,4'-DDT	0.0081		mg/Kg Dry	0.00031	0.00092	1.0
Aldrin	0.00022	U	mg/Kg Dry	0.00022	0.00066	1.0
alpha-BHC	0.00074	U	mg/Kg Dry	0.00074	0.0022	1.0
alpha-Chlordane	0.00030	U	mg/Kg Dry	0.00030	0.00090	1.0
beta-BHC	0.00025	U	mg/Kg Dry	0.00025	0.00075	1.0

Christopher B. Brown
PVE Sheffler
48 Springside Ave.
Poughkeepsie, NY 12601

Job Number: 420-95893-1
Sdg Number: HRPC-IRM Powerhouse

Client Sample ID: **SP-Comp 01 20151002**
Lab Sample ID: **420-95893-6**

Date Sampled: 10/02/2015 1320
Date Received: 10/02/2015 1600
Client Matrix: Solid
Percent Solids: 84

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
delta-BHC	0.00034	U	mg/Kg Dry	0.00034	0.0010	1.0
Dieldrin	0.00048	U	mg/Kg Dry	0.00048	0.0014	1.0
Endosulfan I	0.00018	U	mg/Kg Dry	0.00018	0.00054	1.0
Endosulfan II	0.00040	U	mg/Kg Dry	0.00040	0.0012	1.0
Endosulfan sulfate	0.00046	U	mg/Kg Dry	0.00046	0.0014	1.0
Endrin	0.00063	U	mg/Kg Dry	0.00063	0.0019	1.0
Heptachlor	0.00018	U	mg/Kg Dry	0.00018	0.00053	1.0
gamma-BHC (Lindane)	0.00080	U	mg/Kg Dry	0.00080	0.0024	1.0
Surrogate					Acceptance Limits	
DCB Decachlorobiphenyl	42		%		30 - 150	
Tetrachloro-m-xylene	49		%		30 - 150	
Method: 8082A			Date Analyzed:		10/06/2015 1648	
Prep Method: 3546			Date Prepared:		10/06/2015 1000	
PCB-1016	0.0061	U	mg/Kg Dry	0.0061	0.076	1.0
PCB-1221	0.0099	U	mg/Kg Dry	0.0099	0.076	1.0
PCB-1232	0.024	U	mg/Kg Dry	0.024	0.076	1.0
PCB-1242	0.015	U	mg/Kg Dry	0.015	0.076	1.0
PCB-1248	0.0099	U	mg/Kg Dry	0.0099	0.076	1.0
PCB-1254	0.015	U	mg/Kg Dry	0.015	0.076	1.0
PCB-1260	0.012	U	mg/Kg Dry	0.012	0.076	1.0
PCB-1262	0.012	U	mg/Kg Dry	0.012	0.076	1.0
PCB-1268	0.014	U	mg/Kg Dry	0.014	0.076	1.0
Surrogate					Acceptance Limits	
2,4,5,6-Tetrachloro-m-xylene	48		%		30 - 150	
DCB Decachlorobiphenyl(surr)	40		%		30 - 150	
Method: 7471B			Date Analyzed:		10/07/2015 1713	
Prep Method: 7471B			Date Prepared:		10/07/2015 1200	
Mercury	0.078		mg/Kg Dry	0.014	0.040	1.0

Christopher B. Brown
PVE Sheffler
48 Springside Ave.
Poughkeepsie, NY 12601

Job Number: 420-95893-1
Sdg Number: HRPC-IRM Powerhouse

Client Sample ID: **SP-Comp 01 20151002**
Lab Sample ID: **420-95893-6**

Date Sampled: 10/02/2015 1320
Date Received: 10/02/2015 1600
Client Matrix: Solid
Percent Solids: 84

Analyte	Result/Qualifier		Unit	RL	RL	Dilution
Method: 6010C			Date Analyzed:	10/06/2015 2136		
Prep Method: 3051A			Date Prepared:	10/05/2015 1715		
Ag	2.4	U	mg/Kg Dry	2.4	2.4	2.0
As	16		mg/Kg Dry	2.4	2.4	2.0
Be	1.2	U	mg/Kg Dry	1.2	1.2	2.0
Cd	1.2	U	mg/Kg Dry	1.2	1.2	2.0
Cr	16		mg/Kg Dry	2.4	2.4	2.0
Cu	36		mg/Kg Dry	5.9	5.9	2.0
Ni	26		mg/Kg Dry	9.5	9.5	2.0
Pb	53		mg/Kg Dry	5.9	5.9	2.0
Se	2.4	U	mg/Kg Dry	2.4	2.4	2.0
Sb	14	U	mg/Kg Dry	14	14	2.0
Zn	86		mg/Kg Dry	4.7	4.7	2.0
Tl	2.4	U	mg/Kg Dry	2.4	2.4	2.0

Christopher B. Brown
PVE Sheffler
48 Springside Ave.
Poughkeepsie, NY 12601

Job Number: 420-95893-1
Sdg Number: HRPC-IRM Powerhouse

Client Sample ID: **SP-Comp 02 20151002**
Lab Sample ID: **420-95893-7**

Date Sampled: 10/02/2015 1314
Date Received: 10/02/2015 1600
Client Matrix: Solid
Percent Solids: 87

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8270D			Date Analyzed:	10/06/2015 1402		
Prep Method: 3546			Date Prepared:	10/05/2015 1000		
2-Methylphenol	0.11	U	mg/Kg Dry	0.11	0.37	1.0
3 & 4 Methylphenol	0.10	U	mg/Kg Dry	0.10	0.37	1.0
Acenaphthene	0.095	U	mg/Kg Dry	0.095	0.37	1.0
Acenaphthylene	0.11	J	mg/Kg Dry	0.084	0.37	1.0
Anthracene	0.20	J	mg/Kg Dry	0.091	0.37	1.0
Benzo[a]anthracene	1.0		mg/Kg Dry	0.068	0.37	1.0
Benzo[a]pyrene	1.0		mg/Kg Dry	0.055	0.37	1.0
Benzo[b]fluoranthene	1.9		mg/Kg Dry	0.080	0.37	1.0
Benzo[g,h,i]perylene	0.23	J	mg/Kg Dry	0.077	0.37	1.0
Benzo[k]fluoranthene	0.70		mg/Kg Dry	0.064	0.37	1.0
Chrysene	1.1		mg/Kg Dry	0.071	0.37	1.0
Dibenz(a,h)anthracene	0.083	J	mg/Kg Dry	0.071	0.37	1.0
Dibenzofuran	0.21	J	mg/Kg Dry	0.11	0.37	1.0
Fluoranthene	1.6		mg/Kg Dry	0.071	0.37	1.0
Fluorene	0.10	J	mg/Kg Dry	0.085	0.37	1.0
Hexachlorobenzene	0.081	U	mg/Kg Dry	0.081	0.37	1.0
Indeno[1,2,3-cd]pyrene	0.23	J	mg/Kg Dry	0.073	0.37	1.0
Naphthalene	0.53		mg/Kg Dry	0.082	0.37	1.0
Pentachlorophenol	0.10	U	mg/Kg Dry	0.10	2.8	1.0
Phenol	0.089	U	mg/Kg Dry	0.089	0.37	1.0
Phenanthrene	1.1		mg/Kg Dry	0.097	0.37	1.0
Pyrene	2.4		mg/Kg Dry	0.079	0.37	1.0

Surrogate				Acceptance Limits
2-Fluorophenol	79		%	10 - 120
Nitrobenzene-d5	70		%	10 - 120
Phenol-d5	76		%	10 - 120
Terphenyl-d14	167	X	%	10 - 120
2-Fluorobiphenyl	69		%	10 - 120
2,4,6 - Tribromophenol	105		%	10 - 120

Method: 8081B			Date Analyzed:	10/06/2015 1705		
Prep Method: 3546			Date Prepared:	10/06/2015 1000		
4,4'-DDD	0.00035	U	mg/Kg Dry	0.00035	0.0010	1.0
4,4'-DDE	0.0058		mg/Kg Dry	0.00028	0.00085	1.0
4,4'-DDT	0.016		mg/Kg Dry	0.00030	0.00091	1.0
Aldrin	0.00022	U	mg/Kg Dry	0.00022	0.00065	1.0
alpha-BHC	0.00072	U	mg/Kg Dry	0.00072	0.0022	1.0
alpha-Chlordane	0.00029	U	mg/Kg Dry	0.00029	0.00088	1.0
beta-BHC	0.00025	U	mg/Kg Dry	0.00025	0.00074	1.0

Christopher B. Brown
PVE Sheffler
48 Springside Ave.
Poughkeepsie, NY 12601

Job Number: 420-95893-1
Sdg Number: HRPC-IRM Powerhouse

Client Sample ID: **SP-Comp 02 20151002**
Lab Sample ID: **420-95893-7**

Date Sampled: 10/02/2015 1314
Date Received: 10/02/2015 1600
Client Matrix: Solid
Percent Solids: 87

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
delta-BHC	0.00033	U	mg/Kg Dry	0.00033	0.0010	1.0
Dieldrin	0.00047	U	mg/Kg Dry	0.00047	0.0014	1.0
Endosulfan I	0.00018	U	mg/Kg Dry	0.00018	0.00053	1.0
Endosulfan II	0.00040	U	mg/Kg Dry	0.00040	0.0012	1.0
Endosulfan sulfate	0.00045	U	mg/Kg Dry	0.00045	0.0014	1.0
Endrin	0.0084		mg/Kg Dry	0.00062	0.0019	1.0
Heptachlor	0.00017	U	mg/Kg Dry	0.00017	0.00052	1.0
gamma-BHC (Lindane)	0.00079	U	mg/Kg Dry	0.00079	0.0024	1.0

Surrogate			Acceptance Limits
DCB Decachlorobiphenyl	38	%	30 - 150
Tetrachloro-m-xylene	42	%	30 - 150

Method: 8082A Date Analyzed: 10/06/2015 1705
Prep Method: 3546 Date Prepared: 10/06/2015 1000

PCB-1016	0.0060	U	mg/Kg Dry	0.0060	0.075	1.0
PCB-1221	0.0098	U	mg/Kg Dry	0.0098	0.075	1.0
PCB-1232	0.024	U	mg/Kg Dry	0.024	0.075	1.0
PCB-1242	0.014	U	mg/Kg Dry	0.014	0.075	1.0
PCB-1248	0.0098	U	mg/Kg Dry	0.0098	0.075	1.0
PCB-1254	0.015	U	mg/Kg Dry	0.015	0.075	1.0
PCB-1260	0.012	U	mg/Kg Dry	0.012	0.075	1.0
PCB-1262	0.012	U	mg/Kg Dry	0.012	0.075	1.0
PCB-1268	0.014	U	mg/Kg Dry	0.014	0.075	1.0

Surrogate			Acceptance Limits
2,4,5,6-Tetrachloro-m-xylene	42	%	30 - 150
DCB Decachlorobiphenyl(surr)	36	%	30 - 150

Method: 7471B Date Analyzed: 10/07/2015 1715
Prep Method: 7471B Date Prepared: 10/07/2015 1200

Mercury	0.10		mg/Kg Dry	0.014	0.040	1.0

Christopher B. Brown
PVE Sheffler
48 Springside Ave.
Poughkeepsie, NY 12601

Job Number: 420-95893-1
Sdg Number: HRPC-IRM Powerhouse

Client Sample ID: **SP-Comp 02 20151002**
Lab Sample ID: **420-95893-7**

Date Sampled: 10/02/2015 1314
Date Received: 10/02/2015 1600
Client Matrix: Solid
Percent Solids: 87

Analyte	Result/Qualifier		Unit	RL	RL	Dilution
Method: 6010C			Date Analyzed:	10/06/2015 2141		
Prep Method: 3051A			Date Prepared:	10/05/2015 1715		
Ag	2.3	U	mg/Kg Dry	2.3	2.3	2.0
As	22		mg/Kg Dry	2.3	2.3	2.0
Be	1.2	U	mg/Kg Dry	1.2	1.2	2.0
Cd	1.2	U	mg/Kg Dry	1.2	1.2	2.0
Cr	17		mg/Kg Dry	2.3	2.3	2.0
Cu	51		mg/Kg Dry	5.8	5.8	2.0
Ni	32		mg/Kg Dry	9.2	9.2	2.0
Pb	69		mg/Kg Dry	5.8	5.8	2.0
Se	2.3	U	mg/Kg Dry	2.3	2.3	2.0
Sb	14	U	mg/Kg Dry	14	14	2.0
Zn	130		mg/Kg Dry	4.6	4.6	2.0
Tl	2.3	U	mg/Kg Dry	2.3	2.3	2.0

DATA REPORTING QUALIFIERS

Client: PVE Sheffler

Job Number: 420-95893-1
Sdg Number: HRPC-IRM Powerhouse

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	U	The analyte was analyzed for but not detected at or above the lowest stated limit.
GC/MS Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	U	The analyte was analyzed for but not detected at or above the lowest stated limit.
	X	Surrogate exceeds the control limits
GC Semi VOA		
	U	The analyte was analyzed for but not detected at or above the lowest stated limit.
Metals		
	U	The analyte was analyzed for but not detected at or above the lowest stated limit.

Definitions and Glossary

Client: PVE Sheffler

Job Number: 420-95893-1

Sdg Number: HRPC-IRM Powerhouse

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points.

EnviroTest Laboratories Inc.

CHAIN OF CUSTODY

315 Fullerton Avenue
Newburgh, NY 12550
TEL (845) 562-0890
FAX (845) 562-0841

CUSTOMER NAME: PVE SHEFFLER
ADDRESS: 48 SPRINGSIDE AVE.
CITY, STATE, ZIP: POUGHKEEPSIE, N.Y.
NAME OF CONTACT: ALAN MASON — PHONE NO.:
PROJECT LOCATION: HRPC
PROJECT NUMBER / PO NO.: 560909 - IRM POWERHOUSE

REPORT TYPE
STANDARD ☑ ISRA ☐
NJ REG ☐
NYASP A ☐ B ☐ CLP ☐
OTHER ____

TURNAROUND
☑ NORMAL ____
☐ QUICK ____
☐ VERBAL ____

REPORT # (Lab Use Only): 95893

SAMPLE TEMP. 2.0 C
SAMPLE REC'D ON ICE ☐ Y ☐ N
ph CHECK ☐ Y ☐ N
CHLORINE (RESIDUAL) ☐ Y ☐ N
REVIEWED BY: ____

NY PUBLIC WATER SUPPLIES
SOURCE ID ____
ELAP TYPE ____
FEDERAL ID ____

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE 4° ± 2°C.

Matrix
DW = DRINKING WATER S = SOIL O = OIL
WW = WASTE WATER SL = SLUDGE GW = GROUND WATER

ETL #	SAMPLING DATE	TIME AM PM	COMP	GRAB	MATRIX	CLIENT I.D.	Total Number of Containers	40ml Glass HCL	Liter Amber HCL	250ml Amber Sulfuric	Liter Amber Organic Washed	250ml Plastic Nitric Acid	250ml Plastic Sodium Hydroxide	Liter Plastic	250ml Plastic Sulfuric Acid	250ml Plastic	125ml Plastic Sterile	250ml Plastic NAOH/ZN ACC	40ml Glass Sulfuric	40ml Glass	4 oz SOIL	8 oz SOIL	ANALYSIS REQUESTED
	10/02	1243		X	S	SP-01 20151002															X		PART 375 VOCs
	10/02	1252		X	S	SP-02 20151002															X		PART 375 VOCs
	10/02	1255		X	S	SP-03 20151002															X		PART 375 VOCs
	10/02	1300		X	S	SP-04 20151002															X		PART 375 VOCs
	10/02	1307		X	S	SP-05 20151002															X		PART 375 VOCs
	10/02	1320	X		S	SP-COMP-01 20151002																X	PART 375 SVOCs METALS PCBs PESTICIDES
	10/02	1314	X		S	SP-COMP-02 20151002																X	PART 375 SVOCs METALS PCBs PESTICIDES

LAB USE ONLY

SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECT TO THE ETL TERMS AND CONDITIONS OF SALE UNLESS ALTERNATE TERMS ARE AGREED IN WRITING

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
[signature]	PVE SHEFFLER	10/02/2015	1500	[signature]	ETL	10/2/15	1500
SAMPLED BY [signature]	PVE SHEFFLER	10/02/2015	1320	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY [signature]	COMPANY ETL	DATE 10/2/15	TIME 1600	RECEIVED BY [signature]	COMPANY ETL	DATE 10/2/15	TIME 1600

COMMENTS ____

NYSDOH 10142 NJDEP NY015 CTDOPH PH-0554 EPA NY00049

10/08/2015

LOGIN SAMPLE RECEIPT CHECK LIST

Client: PVE Sheffler

Job Number: 420-95893-1
SDG Number: HRPC-IRM Powerhouse

Login Number: **95893**

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is recorded.	True	7.0 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	True	
If false, was sample received on ice within 6 hours of collection.	NA	
Based on above criteria cooler temperature is acceptable.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	NA	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Appendix J:

Liquid Disposal Documentation

BUCKNER OIL SERVICE
& INDUSTRIAL TANK CLEANING INC.
P.O. Box 4053, New Windsor, NY 12553
D.E.C. 3A-034 E.P.A. #NYD991304460
A RESOURCE CONSCIOUS CORPORATION

Telephone 845-534-4259 Fax 845-534-8208

INVOICE

INVOICE

INVOICE NO.	INVOICE DATE
00008105	10/02/15

SOLD TO
PVE SHEFFLER
ONE CIVIC CENTER PLAZA
SUITE 501
POUGHKEEPSIE, NY 12601

SHIP TO
JOB SITE: MID-HUDSON PSYCH.
POUGHKEEPSIE, NY

PURCHASE ORDER NUMBER	DATE ORDERED	DATE SHIPPED	SHIP VIA	F.O.B.
	10/02/15	10/02/15		

SALESPERSON	TERMS	PAYMENT DUE	NOTES
RB2	DUE ON RECEIPT	10/02/15	WE APPRECIATE YOUR BUSINESS

ITEM	ORDERED	SHIPPED	DESCRIPTION	PRICE	AMOUNT
4001	1000	1000	10/1/15 1000 GALS. OF WATER CONTAMINATED WITH #6 FUEL OIL PUMPED FOR DISPOSAL.	1.25	1,250.00
4004	4	4	USE OF VACUUM TRUCK & DRIVER 4HRS.	100.00	400.00
4001	900	900	10/2/15 900 GALS. OF WATER CONTAMINATED WITH #6 FUEL OIL PUMPED FOR DISPOSAL.	1.25	1,125.00
4004	4	4	USE OF VACUUM TRUCK & DRIVER 4HRS.	100.00	400.00

Approved - Buckner Oil Service Invoice # 00008105; PVE job # 560909-IRM

MESSAGE:

SUBTOTAL	3,175.00
SALES TAX	257.97
SHIPPING	
TOTAL	3,432.97

Appendix K:

Endpoint Lab Reports

ANALYTICAL REPORT

Job Number: 420-95894-1

SDG Number: HRPC- IRM Powerhouse

Job Description: PVE Sheffler

For:
PVE Sheffler
48 Springside Ave.
Poughkeepsie, NY 12601

Attention: Christopher B. Brown



Meredith W Ruthven
Customer Service Manager
mruthven@envirotestlaboratories.com
10/08/2015

cc: Tara Alvarado

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EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOPH PH-0554

METHOD SUMMARY

Client: PVE Sheffler

Job Number: 420-95894-1
SDG Number: HRPC- IRM Powerhouse

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	EnvTest	SW846 8260C	
Closed System Purge & Trap Low Level	EnvTest		EPA 5035-L
Semivolatile Compounds by GC/MS	EnvTest	SW846 8270D	
Microwave Extraction	EnvTest		SW846 3546

Lab References:

EnvTest = EnviroTest

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: PVE Sheffler

Job Number: 420-95894-1
SDG Number: HRPC- IRM Powerhouse

Method	Analyst	Analyst ID
SW846 8260C	Andersen, Eric C	ECA
SW846 8270D	Labare, Alicia M	AML
SM SM2540B PSOL	Sirico, Derek	DS

SAMPLE SUMMARY

Client: PVE Sheffler

Job Number: 420-95894-1
SDG Number: HRPC- IRM Powerhouse

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-95894-1	PE-01-2015-10-01	Solid	10/01/2015 1535	10/02/2015 1600
420-95894-2	PE-02-2015-10-01	Solid	10/01/2015 1640	10/02/2015 1600
420-95894-3	PE-03-2015-10-01	Solid	10/01/2015 1644	10/02/2015 1600

Christopher B. Brown
PVE Sheffler
48 Springside Ave.
Poughkeepsie, NY 12601

Job Number: 420-95894-1
Sdg Number: HRPC- IRM Powerhouse

Client Sample ID: **PE-01-2015-10-01**
Lab Sample ID: **420-95894-1**

Date Sampled: 10/01/2015 1535
Date Received: 10/02/2015 1600
Client Matrix: Solid
Percent Solids: 89

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:		10/02/2015 2312	
Prep Method: 5035-L			Date Prepared:		10/02/2015 2312	
Benzene	0.023	U	ug/Kg Dry	0.023	1.1	1.0
n-Butylbenzene	0.52	J	ug/Kg Dry	0.026	1.1	1.0
sec-Butylbenzene	0.83	J	ug/Kg Dry	0.080	1.1	1.0
tert-Butylbenzene	0.051	U	ug/Kg Dry	0.051	1.1	1.0
Ethylbenzene	0.045	U	ug/Kg Dry	0.045	1.1	1.0
n-Propylbenzene	0.071	U	ug/Kg Dry	0.071	1.1	1.0
Isopropylbenzene	0.051	U	ug/Kg Dry	0.051	1.1	1.0
p-Isopropyltoluene	0.66	J	ug/Kg Dry	0.094	1.1	1.0
Naphthalene	0.74	J	ug/Kg Dry	0.031	1.1	1.0
Toluene	0.45	J	ug/Kg Dry	0.023	1.1	1.0
1,2,4-Trimethylbenzene	1.4		ug/Kg Dry	0.061	1.1	1.0
1,3,5-Trimethylbenzene	0.36	J	ug/Kg Dry	0.061	1.1	1.0
m-Xylene & p-Xylene	0.10	U	ug/Kg Dry	0.10	2.3	1.0
o-Xylene	0.030	U	ug/Kg Dry	0.030	2.3	1.0
Methyl tert-butyl ether	0.017	U	ug/Kg Dry	0.017	1.1	1.0

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	104	%	72 - 143
1,2-Dichloroethane-d4 (Surr)	86	%	73 - 128
4-Bromofluorobenzene	102	%	49 - 138

Method: 8270D			Date Analyzed:		10/05/2015 2007	
Prep Method: 3546			Date Prepared:		10/05/2015 1000	
Acenaphthene	94	U	ug/Kg Dry	94	370	1.0
Acenaphthylene	83	U	ug/Kg Dry	83	370	1.0
Anthracene	90	U	ug/Kg Dry	90	370	1.0
Benzo[a]anthracene	67	U	ug/Kg Dry	67	370	1.0
Benzo[a]pyrene	55	U	ug/Kg Dry	55	370	1.0
Benzo[b]fluoranthene	79	U	ug/Kg Dry	79	370	1.0
Benzo[g,h,i]perylene	76	U	ug/Kg Dry	76	370	1.0
Benzo[k]fluoranthene	63	U	ug/Kg Dry	63	370	1.0
Chrysene	70	U	ug/Kg Dry	70	370	1.0
Dibenz(a,h)anthracene	70	U	ug/Kg Dry	70	370	1.0
Fluoranthene	70	U	ug/Kg Dry	70	370	1.0
Fluorene	84	U	ug/Kg Dry	84	370	1.0
Indeno[1,2,3-cd]pyrene	72	U	ug/Kg Dry	72	370	1.0
Naphthalene	81	U	ug/Kg Dry	81	370	1.0
Phenanthrene	96	U	ug/Kg Dry	96	370	1.0
Pyrene	78	U	ug/Kg Dry	78	370	1.0

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48 Springside Ave.
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Job Number: 420-95894-1
Sdg Number: HRPC- IRM Powerhouse

Client Sample ID: **PE-01-2015-10-01**
Lab Sample ID: **420-95894-1**

Date Sampled: 10/01/2015 1535
Date Received: 10/02/2015 1600
Client Matrix: Solid
Percent Solids: 89

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Surrogate				Acceptance Limits	
Terphenyl-d14	78	%		10 - 120	
2-Fluorobiphenyl	56	%		10 - 120	
Nitrobenzene-d5	51	%		10 - 120	

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Job Number: 420-95894-1
Sdg Number: HRPC- IRM Powerhouse

Client Sample ID: **PE-02-2015-10-01**
Lab Sample ID: **420-95894-2**

Date Sampled: 10/01/2015 1640
Date Received: 10/02/2015 1600
Client Matrix: Solid
Percent Solids: 85

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	10/02/2015 2236		
Prep Method: 5035-L			Date Prepared:	10/02/2015 2236		
Benzene	0.036	U	ug/Kg Dry	0.036	1.8	1.0
n-Butylbenzene	0.041	U	ug/Kg Dry	0.041	1.8	1.0
sec-Butylbenzene	0.25	J	ug/Kg Dry	0.13	1.8	1.0
tert-Butylbenzene	0.081	U	ug/Kg Dry	0.081	1.8	1.0
Ethylbenzene	0.25	J	ug/Kg Dry	0.070	1.8	1.0
n-Propylbenzene	0.11	U	ug/Kg Dry	0.11	1.8	1.0
Isopropylbenzene	0.081	U	ug/Kg Dry	0.081	1.8	1.0
p-Isopropyltoluene	0.15	U	ug/Kg Dry	0.15	1.8	1.0
Naphthalene	0.79	J	ug/Kg Dry	0.048	1.8	1.0
Toluene	1.9		ug/Kg Dry	0.036	1.8	1.0
1,2,4-Trimethylbenzene	0.85	J	ug/Kg Dry	0.095	1.8	1.0
1,3,5-Trimethylbenzene	0.095	U	ug/Kg Dry	0.095	1.8	1.0
m-Xylene & p-Xylene	1.1	J	ug/Kg Dry	0.16	3.6	1.0
o-Xylene	0.75	J	ug/Kg Dry	0.047	3.6	1.0
Methyl tert-butyl ether	0.027	U	ug/Kg Dry	0.027	1.8	1.0

Surrogate		Acceptance Limits
Toluene-d8 (Surr)	113 %	72 - 143
1,2-Dichloroethane-d4 (Surr)	75 %	73 - 128
4-Bromofluorobenzene	89 %	49 - 138

Method: 8270D			Date Analyzed:	10/05/2015 2037		
Prep Method: 3546			Date Prepared:	10/05/2015 1000		
Acenaphthene	96	U	ug/Kg Dry	96	370	1.0
Acenaphthylene	84	U	ug/Kg Dry	84	370	1.0
Anthracene	92	U	ug/Kg Dry	92	370	1.0
Benzo[a]anthracene	68	U	ug/Kg Dry	68	370	1.0
Benzo[a]pyrene	56	U	ug/Kg Dry	56	370	1.0
Benzo[b]fluoranthene	80	U	ug/Kg Dry	80	370	1.0
Benzo[g,h,i]perylene	78	U	ug/Kg Dry	78	370	1.0
Benzo[k]fluoranthene	64	U	ug/Kg Dry	64	370	1.0
Chrysene	71	U	ug/Kg Dry	71	370	1.0
Dibenz(a,h)anthracene	72	U	ug/Kg Dry	72	370	1.0
Fluoranthene	72	U	ug/Kg Dry	72	370	1.0
Fluorene	85	U	ug/Kg Dry	85	370	1.0
Indeno[1,2,3-cd]pyrene	73	U	ug/Kg Dry	73	370	1.0
Naphthalene	83	U	ug/Kg Dry	83	370	1.0
Phenanthrene	98	U	ug/Kg Dry	98	370	1.0
Pyrene	80	U	ug/Kg Dry	80	370	1.0

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Job Number: 420-95894-1
Sdg Number: HRPC- IRM Powerhouse

Client Sample ID: **PE-02-2015-10-01**
Lab Sample ID: **420-95894-2**

Date Sampled: 10/01/2015 1640
Date Received: 10/02/2015 1600
Client Matrix: Solid
Percent Solids: 85

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Surrogate				Acceptance Limits	
Terphenyl-d14	99	%		10 - 120	
2-Fluorobiphenyl	46	%		10 - 120	
Nitrobenzene-d5	43	%		10 - 120	

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Job Number: 420-95894-1
Sdg Number: HRPC- IRM Powerhouse

Client Sample ID: **PE-03-2015-10-01**
Lab Sample ID: **420-95894-3**

Date Sampled: 10/01/2015 1644
Date Received: 10/02/2015 1600
Client Matrix: Solid
Percent Solids: 92

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:		10/02/2015 2201	
Prep Method: 5035-L			Date Prepared:		10/02/2015 2201	
Benzene	0.025	U	ug/Kg Dry	0.025	1.2	1.0
n-Butylbenzene	0.029	U	ug/Kg Dry	0.029	1.2	1.0
sec-Butylbenzene	0.087	U	ug/Kg Dry	0.087	1.2	1.0
tert-Butylbenzene	0.056	U	ug/Kg Dry	0.056	1.2	1.0
Ethylbenzene	0.049	U	ug/Kg Dry	0.049	1.2	1.0
n-Propylbenzene	0.077	U	ug/Kg Dry	0.077	1.2	1.0
Isopropylbenzene	0.056	U	ug/Kg Dry	0.056	1.2	1.0
p-Isopropyltoluene	0.10	U	ug/Kg Dry	0.10	1.2	1.0
Naphthalene	0.034	U	ug/Kg Dry	0.034	1.2	1.0
Toluene	0.025	U	ug/Kg Dry	0.025	1.2	1.0
1,2,4-Trimethylbenzene	0.066	U	ug/Kg Dry	0.066	1.2	1.0
1,3,5-Trimethylbenzene	0.066	U	ug/Kg Dry	0.066	1.2	1.0
m-Xylene & p-Xylene	0.11	U	ug/Kg Dry	0.11	2.5	1.0
o-Xylene	0.032	U	ug/Kg Dry	0.032	2.5	1.0
Methyl tert-butyl ether	0.019	U	ug/Kg Dry	0.019	1.2	1.0

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	112	%	72 - 143
1,2-Dichloroethane-d4 (Surr)	86	%	73 - 128
4-Bromofluorobenzene	86	%	49 - 138

Method: 8270D			Date Analyzed:		10/05/2015 2108	
Prep Method: 3546			Date Prepared:		10/05/2015 1000	
Acenaphthene	89	U	ug/Kg Dry	89	350	1.0
Acenaphthylene	78	U	ug/Kg Dry	78	350	1.0
Anthracene	86	U	ug/Kg Dry	86	350	1.0
Benzo[a]anthracene	150	J	ug/Kg Dry	64	350	1.0
Benzo[a]pyrene	150	J	ug/Kg Dry	52	350	1.0
Benzo[b]fluoranthene	190	J	ug/Kg Dry	75	350	1.0
Benzo[g,h,i]perylene	73	U	ug/Kg Dry	73	350	1.0
Benzo[k]fluoranthene	71	J	ug/Kg Dry	60	350	1.0
Chrysene	200	J	ug/Kg Dry	67	350	1.0
Dibenz(a,h)anthracene	67	U	ug/Kg Dry	67	350	1.0
Fluoranthene	210	J	ug/Kg Dry	67	350	1.0
Fluorene	79	U	ug/Kg Dry	79	350	1.0
Indeno[1,2,3-cd]pyrene	68	U	ug/Kg Dry	68	350	1.0
Naphthalene	280	J	ug/Kg Dry	77	350	1.0
Phenanthrene	270	J	ug/Kg Dry	91	350	1.0
Pyrene	250	J	ug/Kg Dry	74	350	1.0

Christopher B. Brown
PVE Sheffler
48 Springside Ave.
Poughkeepsie, NY 12601

Job Number: 420-95894-1
Sdg Number: HRPC- IRM Powerhouse

Client Sample ID: **PE-03-2015-10-01**
Lab Sample ID: **420-95894-3**

Date Sampled: 10/01/2015 1644
Date Received: 10/02/2015 1600
Client Matrix: Solid
Percent Solids: 92

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Surrogate				Acceptance Limits	
Terphenyl-d14	100	%		10 - 120	
2-Fluorobiphenyl	66	%		10 - 120	
Nitrobenzene-d5	58	%		10 - 120	

DATA REPORTING QUALIFIERS

Client: PVE Sheffler

Job Number: 420-95894-1
Sdg Number: HRPC- IRM Powerhouse

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	U	The analyte was analyzed for but not detected at or above the lowest stated limit.
GC/MS Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	U	The analyte was analyzed for but not detected at or above the lowest stated limit.

Definitions and Glossary

Client: PVE Sheffler

Job Number: 420-95894-1

Sdg Number: HRPC- IRM Powerhouse

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points.

EnviroTest Laboratories Inc.

CHAIN OF CUSTODY

315 Fullerton Avenue
Newburgh, NY 12550
TEL (845) 562-0890
FAX (845) 562-0841

CUSTOMER NAME: PVE SHEFFLER
ADDRESS: 48 SPRINGSIDE AVE
CITY, STATE, ZIP: POK NY
NAME OF CONTACT: ALAN MASON PHONE NO.
PROJECT LOCATION: ~~560~~ HRPC
PROJECT NUMBER / PO NO.: 560909- IRM Powerhouse

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE 4° ± 2°C.

REPORT TYPE
STANDARD ☒ ~~X~~ ASP ☐ NJ REG ☐ NYASP A ☐ B ☐ CLP ☐
OTHER ____

TURNAROUND
☒ ~~X~~ NORMAL ____
☐ QUICK ____
☐ VERBAL ____

REPORT # (Lab Use Only)
95894

SAMPLE TEMP. 7.0 C
SAMPLE REC'D ON ICE ☐ Y ☐ N
ph CHECK ☐ Y ☐ N
CHLORINE (RESIDUAL) ☐ Y ☐ N
REVIEWED BY: ____

NY PUBLIC WATER SUPPLIES
SOURCE ID ____
ELAP TYPE ____
FEDERAL ID ____

Matrix
DW = DRINKING WATER S = SOIL O = OIL
WW = WASTE WATER SL = SLUDGE GW = GROUND WATER

ETL #	SAMPLING DATE	SAMPLING TIME AM PM	COMP	GRAB	MATRIX	CLIENT I.D.	Total Number of Containers	40ml Glass HCL	Liter Amber HCL	250ml Amber Sulfuric	Liter Amber Organic Washed	250ml Plastic Nitric Acid	250ml Plastic Sodium Hydroxide	Liter Plastic	250ml Plastic Sulfuric Acid	250ml Plastic	125ml Plastic Sterile	250ml Plastic NAOH/ZN ACC	40ml Glass Sulfuric	40ml Glass	DO	8021 Soil	ANALYSIS REQUESTED
	10/1	~~1533~~		X	S	PE-01-2015 10 01																X	~~CP51~~ VOCs / SVOCs
	"	1640		X	S	PE-02-2015-10-01																X	"
	"	1644		X	S	PE-03-2015-10-01																X	"

LAB USE ONLY

SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECT TO THE ETL TERMS AND CONDITIONS OF SALE UNLESS ALTERNATE TERMS ARE AGREED IN WRITING.

RELINQUISHED BY		COMPANY		DATE	10/2/15	TIME	1600	
SAMPLED BY		COMPANY	PVE SHEFFLER	DATE	10/01/2015	TIME	1737	
RELINQUISHED BY		COMPANY	PVE SHEFFLER	DATE	10/02/2015	TIME	1500	
RECEIVED BY		COMPANY	ETL	DATE	10/2/15	TIME	1500	
RECEIVED BY		COMPANY		DATE		TIME		
RECEIVED BY		COMPANY	ETL	DATE	10/2/15	TIME	1600	

COMMENTS ____

LOGIN SAMPLE RECEIPT CHECK LIST

Client: PVE Sheffler

Job Number: 420-95894-1
SDG Number: HRPC- IRM Powerhouse

Login Number: **95894**

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is recorded.	True	7.0 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	True	
If false, was sample received on ice within 6 hours of collection.	NA	
Based on above criteria cooler temperature is acceptable.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	NA	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ANALYTICAL REPORT

Job Number: 420-96607-1

SDG Number: HRPC- 560909- IRM Powerhouse

Job Description: PVE Sheffler

For:
PVE Sheffler
48 Springside Ave.
Poughkeepsie, NY 12601

Attention: Christopher B. Brown



Meredith W Ruthven
Customer Service Manager
mruthven@envirotestlaboratories.com
10/27/2015

cc: Tara Alvarado

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EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOPH PH-0554

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

GC/MS Semi VOA
Method 8270D: Due to sample matrix the internal standardS (chrysene-d12 and perylene-d12) area count is outside of the control limits which fails low for the sample. This does not negatively affect the data since the results for the following compounds would be biased slightly high:

No other analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

METHOD SUMMARY

Client: PVE Sheffler

Job Number: 420-96607-1
SDG Number: HRPC- 560909- IRM Powerhouse

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	EnvTest	SW846 8260C	
Closed System Purge & Trap Low Level	EnvTest		EPA 5035-L
Semivolatile Compounds by GC/MS	EnvTest	SW846 8270D	
Microwave Extraction	EnvTest		SW846 3546

Lab References:

EnvTest = EnviroTest

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: PVE Sheffler

Job Number: 420-96607-1
SDG Number: HRPC- 560909- IRM Powerhouse

Method	Analyst	Analyst ID
SW846 8260C	Andersen, Eric C	ECA
SW846 8270D	Labare, Alicia M	AML
SM SM2540B PSOL	Sirico, Derek	DS

SAMPLE SUMMARY

Client: PVE Sheffler

Job Number: 420-96607-1
SDG Number: HRPC- 560909- IRM Powerhouse

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-96607-1	PE-04 20151021	Solid	10/20/2015 1130	10/21/2015 1600
420-96607-2	PE-05 20151021	Solid	10/20/2015 1145	10/21/2015 1600

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Job Number: 420-96607-1
Sdg Number: HRPC- 560909- IRM Powerhouse

Client Sample ID: **PE-04 20151021**
Lab Sample ID: **420-96607-1**

Date Sampled: 10/20/2015 1130
Date Received: 10/21/2015 1600
Client Matrix: Solid
Percent Solids: 89

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:		10/25/2015 1421	
Prep Method: 5035-L			Date Prepared:		10/25/2015 1421	
Benzene	0.021	U	ug/Kg Dry	0.021	1.1	1.0
n-Butylbenzene	0.024	U	ug/Kg Dry	0.024	1.1	1.0
sec-Butylbenzene	0.074	U	ug/Kg Dry	0.074	1.1	1.0
tert-Butylbenzene	0.048	U	ug/Kg Dry	0.048	1.1	1.0
Ethylbenzene	0.041	U	ug/Kg Dry	0.041	1.1	1.0
n-Propylbenzene	0.066	U	ug/Kg Dry	0.066	1.1	1.0
Isopropylbenzene	0.048	U	ug/Kg Dry	0.048	1.1	1.0
p-Isopropyltoluene	0.087	U	ug/Kg Dry	0.087	1.1	1.0
Naphthalene	0.029	U	ug/Kg Dry	0.029	1.1	1.0
Toluene	0.021	U	ug/Kg Dry	0.021	1.1	1.0
1,2,4-Trimethylbenzene	0.056	U	ug/Kg Dry	0.056	1.1	1.0
1,3,5-Trimethylbenzene	0.056	U	ug/Kg Dry	0.056	1.1	1.0
m-Xylene & p-Xylene	0.096	U	ug/Kg Dry	0.096	2.1	1.0
o-Xylene	0.028	U	ug/Kg Dry	0.028	2.1	1.0
Methyl tert-butyl ether	0.016	U	ug/Kg Dry	0.016	1.1	1.0

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	117	%	72 - 143
1,2-Dichloroethane-d4 (Surr)	104	%	73 - 128
4-Bromofluorobenzene	95	%	49 - 138

Method: 8270D			Date Analyzed:		10/23/2015 1944	
Prep Method: 3546			Date Prepared:		10/22/2015 1011	
Acenaphthene	95	U	ug/Kg Dry	95	370	1.0
Acenaphthylene	84	U	ug/Kg Dry	84	370	1.0
Anthracene	92	U	ug/Kg Dry	92	370	1.0
Benzo[a]anthracene	210	J	ug/Kg Dry	68	370	1.0
Benzo[a]pyrene	200	J	ug/Kg Dry	56	370	1.0
Benzo[b]fluoranthene	250	J	ug/Kg Dry	80	370	1.0
Benzo[g,h,i]perylene	79	J	ug/Kg Dry	77	370	1.0
Benzo[k]fluoranthene	94	J	ug/Kg Dry	64	370	1.0
Chrysene	310	J	ug/Kg Dry	71	370	1.0
Dibenz(a,h)anthracene	71	U	ug/Kg Dry	71	370	1.0
Fluoranthene	280	J	ug/Kg Dry	71	370	1.0
Fluorene	85	U	ug/Kg Dry	85	370	1.0
Indeno[1,2,3-cd]pyrene	73	U	ug/Kg Dry	73	370	1.0
Naphthalene	710		ug/Kg Dry	82	370	1.0
Phenanthrene	520		ug/Kg Dry	97	370	1.0
Pyrene	420		ug/Kg Dry	79	370	1.0

Christopher B. Brown
PVE Sheffler
48 Springside Ave.
Poughkeepsie, NY 12601

Job Number: 420-96607-1
Sdg Number: HRPC- 560909- IRM Powerhouse

Client Sample ID: **PE-04 20151021**
Lab Sample ID: **420-96607-1**

Date Sampled: 10/20/2015 1130
Date Received: 10/21/2015 1600
Client Matrix: Solid
Percent Solids: 89

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Surrogate				Acceptance Limits	
Terphenyl-d14	66	%		10 - 120	
2-Fluorobiphenyl	55	%		10 - 120	
Nitrobenzene-d5	37	%		10 - 120	

Christopher B. Brown
PVE Sheffler
48 Springside Ave.
Poughkeepsie, NY 12601

Job Number: 420-96607-1
Sdg Number: HRPC- 560909- IRM Powerhouse

Client Sample ID: **PE-05 20151021**
Lab Sample ID: **420-96607-2**

Date Sampled: 10/20/2015 1145
Date Received: 10/21/2015 1600
Client Matrix: Solid
Percent Solids: 90

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:		10/25/2015 1457	
Prep Method: 5035-L			Date Prepared:		10/25/2015 1457	
Benzene	0.021	U	ug/Kg Dry	0.021	1.0	1.0
n-Butylbenzene	0.024	U	ug/Kg Dry	0.024	1.0	1.0
sec-Butylbenzene	0.073	U	ug/Kg Dry	0.073	1.0	1.0
tert-Butylbenzene	0.047	U	ug/Kg Dry	0.047	1.0	1.0
Ethylbenzene	0.040	U	ug/Kg Dry	0.040	1.0	1.0
n-Propylbenzene	0.064	U	ug/Kg Dry	0.064	1.0	1.0
Isopropylbenzene	0.047	U	ug/Kg Dry	0.047	1.0	1.0
p-Isopropyltoluene	0.085	U	ug/Kg Dry	0.085	1.0	1.0
Naphthalene	0.028	U	ug/Kg Dry	0.028	1.0	1.0
Toluene	0.021	U	ug/Kg Dry	0.021	1.0	1.0
1,2,4-Trimethylbenzene	0.055	U	ug/Kg Dry	0.055	1.0	1.0
1,3,5-Trimethylbenzene	0.055	U	ug/Kg Dry	0.055	1.0	1.0
m-Xylene & p-Xylene	0.093	U	ug/Kg Dry	0.093	2.1	1.0
o-Xylene	0.027	U	ug/Kg Dry	0.027	2.1	1.0
Methyl tert-butyl ether	0.016	U	ug/Kg Dry	0.016	1.0	1.0

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	125	%	72 - 143
1,2-Dichloroethane-d4 (Surr)	100	%	73 - 128
4-Bromofluorobenzene	89	%	49 - 138

Method: 8270D			Date Analyzed:		10/23/2015 2016	
Prep Method: 3546			Date Prepared:		10/22/2015 1011	
Acenaphthene	90	U	ug/Kg Dry	90	350	1.0
Acenaphthylene	79	U	ug/Kg Dry	79	350	1.0
Anthracene	160	J	ug/Kg Dry	86	350	1.0
Benzo[a]anthracene	620		ug/Kg Dry	64	350	1.0
Benzo[a]pyrene	370		ug/Kg Dry	52	350	1.0
Benzo[b]fluoranthene	720		ug/Kg Dry	75	350	1.0
Benzo[g,h,i]perylene	120	J	ug/Kg Dry	73	350	1.0
Benzo[k]fluoranthene	270	J	ug/Kg Dry	60	350	1.0
Chrysene	680		ug/Kg Dry	67	350	1.0
Dibenz(a,h)anthracene	67	U	ug/Kg Dry	67	350	1.0
Fluoranthene	660		ug/Kg Dry	67	350	1.0
Fluorene	80	U	ug/Kg Dry	80	350	1.0
Indeno[1,2,3-cd]pyrene	120	J	ug/Kg Dry	69	350	1.0
Naphthalene	860		ug/Kg Dry	78	350	1.0
Phenanthrene	950		ug/Kg Dry	92	350	1.0
Pyrene	1400		ug/Kg Dry	75	350	1.0

Christopher B. Brown
PVE Sheffler
48 Springside Ave.
Poughkeepsie, NY 12601

Job Number: 420-96607-1
Sdg Number: HRPC- 560909- IRM Powerhouse

Client Sample ID: **PE-05 20151021**
Lab Sample ID: **420-96607-2**

Date Sampled: 10/20/2015 1145
Date Received: 10/21/2015 1600
Client Matrix: Solid
Percent Solids: 90

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Surrogate				Acceptance Limits	
Terphenyl-d14	80	%		10 - 120	
2-Fluorobiphenyl	63	%		10 - 120	
Nitrobenzene-d5	45	%		10 - 120	

DATA REPORTING QUALIFIERS

Client: PVE Sheffler

Job Number: 420-96607-1
Sdg Number: HRPC- 560909- IRM Powerhouse

Lab Section	Qualifier	Description
GC/MS VOA		
	U	The analyte was analyzed for but not detected at or above the lowest stated limit.
GC/MS Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	U	The analyte was analyzed for but not detected at or above the lowest stated limit.

Definitions and Glossary

Client: PVE Sheffler

Job Number: 420-96607-1

Sdg Number: HRPC- 560909- IRM Powerhouse

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points.

EnviroTest Laboratories Inc.

CHAIN OF CUSTODY

315 Fullerton Avenue
Newburgh, NY 12550
TEL (845) 562-0890
FAX (845) 562-0841

10/27/2015

CUSTOMER NAME	PVE SHEFFLER LLC
ADDRESS	48 SPRINGSIDE AVE
CITY, STATE, ZIP	POUGHKEEPSIE NY
NAME OF CONTACT	ALAN MASON
PHONE NO.	845-454-2544
PROJECT LOCATION	HRPC
PROJECT NUMBER / PO NO.	560909 - IRM POWERHOUSE

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE 4° ± 2°C.

REPORT TYPE
STANDARD ☒ ISRA ☐
NJ REG ☐
NYASP A ☐ B ☐ CLP ☐
OTHER NYSDEC Equis EDD

TURNAROUND
☒ NORMAL _____
☐ QUICK _____
☐ VERBAL _____

REPORT # (Lab Use Only)
96607

SAMPLE TEMP. 3.6 C
SAMPLE REC'D ON ICE ☒ Y ☐ N
ph CHECK ☐ Y ☐ N
CHLORINE (RESIDUAL) ☐ Y ☐ N
REVIEWED BY: _____

NY PUBLIC WATER SUPPLIES
SOURCE ID ___ ___ ___
ELAP TYPE ___ ___ ___
FEDERAL ID ___ ___ ___ ___ ___ ___ ___

Matrix
DW = DRINKING WATER S = SOIL O = OIL
WW = WASTE WATER SL = SLUDGE GW = GROUND WATER

ETL #	SAMPLING DATE	TIME (AM) PM	COMP	GRAB	MATRIX	CLIENT I.D.	Total Number of Containers	40ml Glass HCL	Liter Amber HCL	250ml Amber Sulfuric	Liter Amber Organic Washed	250ml Plastic Nitric Acid	250ml Plastic Sodium Hydroxide	Liter Plastic	250ml Plastic Sulfuric Acid	250ml Plastic	125ml Plastic Sterile	250ml Plastic NAOH/ZN ACC	40ml Glass Sulfuric	40ml Glass	DO	8oz jar	ANALYSIS REQUESTED
	10/20/15	1130	X		S	PE-04 20151021	1														1	1	CP51 VOCs & SVOCs
	↓	1145	↓		↓	PE-05 20151021	↓														↓		

SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECT TO THE ETL TERMS AND CONDITIONS OF SALE UNLESS ALTERNATE TERMS ARE AGREED IN WRITING.

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	PVE SHEFFLER LLC	10/21/15	2:50		ETL	10/21/15	2:50
SAMPLED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	PVE SHEFFLER LLC	10/21/15	2:50				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	ETL	10/21/15	1600		ETL	10.21.15	1600

COMMENTS _____

LOGIN SAMPLE RECEIPT CHECK LIST

Client: PVE Sheffler

Job Number: 420-96607-1

SDG Number: HRPC- 560909- IRM Powerhouse

Login Number: **96607**

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is recorded.	True	3.6 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	True	
If false, was sample received on ice within 6 hours of collection.	NA	
Based on above criteria cooler temperature is acceptable.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	NA	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Appendix L:

Backfill Materials Documentation

Imported Backfill Details
AOC-1 - Powerhouse - Interim Remedial Measure (IRM) - Excavation and Disposal of Petroleum Contaminated Soil
Hudson River Psychiatric Center - North BCP Site, Poughkeepsie, NY
PVE, LLC File #560909

Total Loads from "Dutchess Quarry & Supply"	7 loads	Total Tons of "#2 Washed Stone 3/4 inch"	102.06 tons	Total Tons for "Backfill over exposed groundwater"	102.06 tons
Total Loads from "Recycle Depot"	23 loads	Total Tons of "#1 Washed Stone"	43.11 tons	Total Tons for "Backfill around new waterline"	43.11 tons
		Total Tons of "Item 4 RCA"	468.35 tons	Total Tons for "Soil Cover System"	468.35 tons
Total Loads	**30** loads	**Total Tons of Imported Material**	**613.52** tons	**Total Tons of Imported Material**	**613.52** tons

LOAD COUNTER	DATE	TRUCKING COMPANY	NJ Part 364 Permit No.	TRUCK LICENSE PLATE STATE	TRUCK LICENSE PLATE NUMBER	MANIFEST NUMBER	PURPOSE	MATERIAL TYPE	SUPPLIER	COUNTERSIGNED MANIFEST/WEIGHT TICKET RECEIEVED	COUNTERSIGNED MANIFEST/WEIGHT TICKET No.	AMOUNT IMPORTED ON-SITE (TON)	COMMENTS
1	10/12/2015	N/A	N/A	N/A	N/A	N/A	Backfill over exposed groundwater	#2 Washed Stone 3/4 inch	Dutchess Quarry & Supply	N/A	N/A	20.90	N/A
2	10/12/2015	N/A	N/A	N/A	N/A	N/A	Backfill over exposed groundwater	#2 Washed Stone 3/4 inch	Dutchess Quarry & Supply	N/A	N/A	20.37	N/A
3	10/12/2015	N/A	N/A	N/A	N/A	N/A	Backfill over exposed groundwater	#2 Washed Stone 3/4 inch	Dutchess Quarry & Supply	N/A	N/A	20.32	N/A
4	10/12/2015	N/A	N/A	N/A	N/A	N/A	Backfill over exposed groundwater	#2 Washed Stone 3/4 inch	Dutchess Quarry & Supply	N/A	N/A	20.38	N/A
5	10/12/2015	N/A	N/A	N/A	N/A	N/A	Backfill over exposed groundwater	#2 Washed Stone 3/4 inch	Dutchess Quarry & Supply	N/A	N/A	20.09	N/A
6	10/27/2015	N/A	N/A	N/A	N/A	N/A	Soil Cover System	Item 4 RCA	Recycle Depot	N/A	N/A	20.75	N/A
7	10/27/2015	N/A	N/A	N/A	N/A	N/A	Soil Cover System	Item 4 RCA	Recycle Depot	N/A	N/A	19.80	N/A
8	10/27/2015	N/A	N/A	N/A	N/A	N/A	Soil Cover System	Item 4 RCA	Recycle Depot	N/A	N/A	21.89	N/A
9	10/27/2015	N/A	N/A	N/A	N/A	N/A	Soil Cover System	Item 4 RCA	Recycle Depot	N/A	N/A	20.76	N/A
10	10/27/2015	N/A	N/A	N/A	N/A	N/A	Soil Cover System	Item 4 RCA	Recycle Depot	N/A	N/A	19.19	N/A
11	10/27/2015	N/A	N/A	N/A	N/A	N/A	Soil Cover System	Item 4 RCA	Recycle Depot	N/A	N/A	21.62	N/A
12	10/29/2015	N/A	N/A	N/A	N/A	N/A	Backfill around new waterline	#1 Washed Stone	Dutchess Quarry & Supply	N/A	N/A	21.62	N/A
13	10/29/2015	N/A	N/A	N/A	N/A	N/A	Backfill around new waterline	#1 Washed Stone	Dutchess Quarry & Supply	N/A	N/A	21.49	N/A
14	11/12/2015	N/A	N/A	N/A	N/A	N/A	Soil Cover System	Item 4 RCA	Recycle Depot	N/A	N/A	20.21	N/A
15	11/12/2015	N/A	N/A	N/A	N/A	N/A	Soil Cover System	Item 4 RCA	Recycle Depot	N/A	N/A	20.05	N/A
16	11/12/2015	N/A	N/A	N/A	N/A	N/A	Soil Cover System	Item 4 RCA	Recycle Depot	N/A	N/A	20.99	N/A
17	11/12/2015	N/A	N/A	N/A	N/A	N/A	Soil Cover System	Item 4 RCA	Recycle Depot	N/A	N/A	21.02	N/A
18	11/12/2015	N/A	N/A	N/A	N/A	N/A	Soil Cover System	Item 4 RCA	Recycle Depot	N/A	N/A	20.11	N/A
19	11/12/2015	N/A	N/A	N/A	N/A	N/A	Soil Cover System	Item 4 RCA	Recycle Depot	N/A	N/A	20.47	N/A
20	11/12/2015	N/A	N/A	N/A	N/A	N/A	Soil Cover System	Item 4 RCA	Recycle Depot	N/A	N/A	19.87	N/A
21	11/12/2015	N/A	N/A	N/A	N/A	N/A	Soil Cover System	Item 4 RCA	Recycle Depot	N/A	N/A	20.06	N/A
22	11/9/2015	N/A	N/A	N/A	N/A	N/A	Soil Cover System	Item 4 RCA	Recycle Depot	N/A	N/A	20.44	N/A
23	11/9/2015	N/A	N/A	N/A	N/A	N/A	Soil Cover System	Item 4 RCA	Recycle Depot	N/A	N/A	20.24	N/A
24	11/9/2015	N/A	N/A	N/A	N/A	N/A	Soil Cover System	Item 4 RCA	Recycle Depot	N/A	N/A	21.20	N/A
25	10/27/2015	N/A	N/A	N/A	N/A	N/A	Soil Cover System	Item 4 RCA	Recycle Depot	N/A	N/A	19.41	N/A
26	10/27/2015	N/A	N/A	N/A	N/A	N/A	Soil Cover System	Item 4 RCA	Recycle Depot	N/A	N/A	20.47	N/A
27	10/27/2015	N/A	N/A	N/A	N/A	N/A	Soil Cover System	Item 4 RCA	Recycle Depot	N/A	N/A	19.77	N/A
28	10/27/2015	N/A	N/A	N/A	N/A	N/A	Soil Cover System	Item 4 RCA	Recycle Depot	N/A	N/A	20.51	N/A
29	10/27/2015	N/A	N/A	N/A	N/A	N/A	Soil Cover System	Item 4 RCA	Recycle Depot	N/A	N/A	19.19	N/A
30	10/27/2015	N/A	N/A	N/A	N/A	N/A	Soil Cover System	Item 4 RCA	Recycle Depot	N/A	N/A	20.33	N/A

RECYCLE DEPOT
230 VAN WAGNER ROAD
POUGHKEEPSIE, NY 12601
845-452-3939

Commodity Out - Charge Scale Ticket

Ticket #:163121 Operator:RIT Date:10/27/2015

Vehicle : COREWOOD2 COREWOOD #2

Customer : COREWOOD BOBBY SHERWOOD JR.
Contract : PSYCHWARD COREWOOD PSYCH WARD
Material : ITEM4/RCA REC. CONCRETE/AGGREGATE
Source :
Location : DUTCHESS
Time In : 12:51:48
Time Out : 12:56:51

Gross Wt : 70580 lb
Tare Wt : 29080 lb

Net Wt : 41500 lb

Units : 20.75 TONS
Unit price: $[redacted]

Net Amount: $[redacted]
Haul Chg: $ 0.00
State Fee : $[redacted]
Local Fee : $ 0.00

TOTAL DUE : $[redacted]

Total Today: 2 Loads 40.16 TONS

NOTE:psych ward MD7 Cap Material

Customer: _____

_____

*Weighmaster Lic #130100

RECYCLE DEPOT
230 VAN WAGNER ROAD
POUGHKEEPSIE, NY 12601
845-452-3939

Commodity Out - Charge Scale Ticket

Ticket #:163132 Operator:RIT Date:10/27/2015

Vehicle : COREWOOD COREWOOD #1

Customer : COREWOOD BOBBY SHERWOOD JR.
Contract : PSYCHWARD
Material : ITEM4/RCA REC. CONCRETE/AGGREGATE
Source :
Location : DUTCHESS
Time In : 14:03:01
Time Out : 14:12:37

Gross Wt : 68660 lb
Tare Wt : 29060 lb

Net Wt : 39600 lb

Units : 19.80 TONS
Unit price: $[redacted]
Net Amount: [redacted]
Haul Chg: $ 0.00
State Fee : $[redacted]
Local Fee : $ 0.00

TOTAL DUE : [redacted]

Total Today: 4 Loads 79.15 TONS

NOTE:psych
MDT Cap Material

Customer: _____

_____
*Weighmaster Lic.#13010

RECYCLE DEPOT
230 VAN WAGNER ROAD
POUGHKEEPSIE, NY 12601
845-452-3939

Commodity Out / Charge Scale Ticket

Ticket #:163140 Operator:RIT Date:10/27/2015

Vehicle : COREWOOD COREWOOD #1

Customer : COREWOOD BOBBY SHERWOOD JR.
Contract : PSYCHWARD
Material : ITEM4/RCA REC. CONCRETE/AGGREGATE
Source :
Location : DUTCHESS
Time In : 14:53:01
Time Out : 15:01:02

Gross Wt : 72820 lb
Tare Wt : 29040 lb

Net Wt : 43780 lb

Units : 21.89 TONS
Unit price: $ [redacted]
Net Amount: [redacted]
Haul Chg: $ 0.00
State Fee : $ [redacted]
Local Fee : $ 0.00

TOTAL DUE : [redacted]

Total Today: 6 Loads 121.55 TONS

NOTE:psych ward MDF Cap Material

Customer: _____

_____

*Weighmaster Lic.#13010 ,

RECYCLE DEPOT
230 VAN WAGNER ROAD
POUGHKEEPSIE, NY 12601
845-452-3939

Commodity Out - Charge Scale Ticket

Ticket #:163110 Operator:RIT Date:10/27/2015

Vehicle : COREWOOD COREWOOD #1

Customer : COREWOOD BOBBY SHERWOOD JR.
Contract : COREWOODR
Material : ITEM4/RCA REC. CONCRETE/AGGREGATE
Source :
Location : DUTCHESS
Time In : 11:55:01
Time Out : 12:01:44

Gross Wt : 70620 lb
Tare Wt : 29100 lb

Net Wt : 41520 lb

Units : 20.76 TONS
Unit price: $[redacted]

Net Amount: [redacted]
Haul Chg: $ 0.00
State Fee : $[redacted]
Local Fee : $ 0.00

TOTAL DUE : [redacted]

Total Today: 4 Loads 82.04 TONS

NOTE:psych ward

MDF Cap Material

Customer: _____

*Weighmaster Lic.#13010

RECYCLE DEPOT
230 VAN WAGNER ROAD
POUGHKEEPSIE, NY 12601
845-452-3939

Commodity Out - Charge Scale Ticket

Ticket #:163097 Operator:RIT Date:10/27/2015

Vehicle : COREWOOD COREWOOD #1

Customer : COREWOOD BOBBY SHERWOOD JR.
Contract : COREWOODR COREWOOD ITEM4/RCA
Material : ITEM4/RCA REC. CONCRETE/AGGREGATE
Source :
Location : DUTCHESS
Time In : 11:01:20
Time Out : 11:08:59

Gross Wt : 67540 lb
Tare Wt : 29160 lb

Net Wt : 38380 lb

Units : 19.19 TONS
Unit price: $[redacted]

Net Amount: [redacted]
Haul Chg: $ 0.00
State Fee : [redacted]
Local Fee : $ 0.00

TOTAL DUE : $[redacted]

Total Today: 2 Loads 40.81 TONS

NOTE:psych ward MDF Crap Material

Customer:_____

_____

*Weighmaster Lic.#13010

RECYCLE DEPOT
230 VAN WAGNER ROAD
POUGHKEEPSIE, NY 12601
845-452-3939

Commodity Out - Charge Scale Ticket

Ticket #:163084 Operator:RIT Date:10/27/2015

Vehicle : COREWOOD COREWOOD #1

Customer : COREWOOD BOBBY SHERWOOD JR.
Contract : COREWOODR
Material : ITEM4/RCA REC. CONCRETE/AGGREGATE
Source :
Location : DUTCHESS
Time In : 09:54:12
Time Out : 10:04:47

Gross Wt : 72400 lb
Tare Wt : 29160 lb

Net Wt : 43240 lb

Units : 21.62 TONS
Unit price: $[redacted]

Net Amount: $[redacted]
Haul Chg: $ 0.00
State Fee : $[redacted]
Local Fee : $ 0.00

TOTAL DUE : $[redacted]

Total Today: 1 Loads 21.62 TONS

NOTE:psych center
Cap Material

Customer: _____

*Weighmaster Lic.#[redacted]

RECYCLE DEPOT
230 VAN WAGNER ROAD
POUGHKEEPSIE, NY 12601
845-452-3939

Commodity Out - Charge Scale Ticket

Ticket #:164421 Operator:RIT Date:11/12/2015

Vehicle : COREWOOD COREWOOD #1

Customer : COREWOOD BOBBY SHERWOOD JR.
Contract : PSYCHWARD
Material : ITEM4/RCA REC. CONCRETE/AGGREGATE
Source :
Location : DUTCHESS
Time In : 09:42:16
Time Out : 09:49:55

Gross Wt : 68320 lb
Tare Wt : 27900 lb MAN WT.

Net Wt : 40420 lb

Units : 20.21 TONS
Unit price: $ [redacted]
Net Amount: $ [redacted]
Haul Chg: $ 0.00
State Fee : $ [redacted]
Local Fee : $ 0.00

TOTAL DUE : $ [redacted]

Total Today: 7 Loads 142.72 TONS

NOTE:psychward

Customer: _____

_____

*Weighmaster Lic.#130[redacted]

RECYCLE DEPOT
230 VAN WAGNER ROAD
POUGHKEEPSIE, NY 12601
845-452-3939

Commodity Out - Charge Scale Ticket

Ticket #:164412 Operator:RIT Date:11/12/2015

Vehicle : COREWOOD COREWOOD #1

Customer : COREWOOD BOBBY SHERWOOD JR.
Contract : PSYCHWARD
Material : ITEM4/RCA REC. CONCRETE/AGGREGATE
Source :
Location : DUTCHESS
Time In : 08:50:54
Time Out : 08:57:46

Gross Wt : 68000 lb
Tare Wt : 27900 lb MAN WT.

Net Wt : 40100 lb

Units : 20.05 TONS
Unit price: $ [redacted]
Net Amount: $ [redacted]
Haul Chg: $ 0.00
State Fee : $ [redacted]
Local Fee : $ 0.00
TOTAL DUE : $ [redacted]

Total Today: 5 Loads 102.64 TONS

NOTE:psych ward

Customer: _____

*Weighmaster Lic.#130100

RECYCLE DEPOT
230 VAN WAGNER ROAD
POUGHKEEPSIE, NY 12601
845-452-3939

Commodity Out - Charge Scale Ticket

Ticket #:164406 Operator:RIT Date:11/12/2015

Vehicle : COREWOOD COREWOOD #1

Customer : COREWOOD BOBBY SHERWOOD JR.
Contract : PSYCHWARD
Material : ITEM4/RCA REC. CONCRETE/AGGREGATE
Source :
Location : DUTCHESS
Time In : 08:02:15
Time Out : 08:10:04

Gross Wt : 69880 lb
Tare Wt : 27900 lb MAN WT.

Net Wt : 41980 lb

Units : 20.99 TONS
Unit price: $ [redacted]

Net Amount: $ [redacted]
Haul Chg: $ 0.00
State Fee : $ [redacted]
Local Fee : $ 0.00

TOTAL DUE : $ [redacted]

Total Today: 3 Loads 62.12 TONS

NOTE:psych ward

Customer:_____

_____

*Weighmaster Lic.#13010

RECYCLE DEPOT
230 VAN WAGNER ROAD
POUGHKEEPSIE, NY 12601
845-452-3939

Commodity Out - Charge Scale Ticket

Ticket #:164401 Operator:RIT Date:11/12/2015

Vehicle : COREWOOD COREWOOD #1

Customer : COREWOOD BOBBY SHERWOOD JR.
Contract : PSYCHWARD COREWOOD PSYCH WARD
Material : ITEM4/RCA REC. CONCRETE/AGGREGATE
Source :
Location : DUTCHESS
Time In : 07:02:24
Time Out : 07:15:36

Gross Wt : 69920 lb
Tare Wt : 27880 lb

Net Wt : 42040 lb

Units : 21.02 TONS
Unit price: $ [redacted]
Net Amount: $ [redacted]
Haul Chg: $ 0.00
State Fee : $ [redacted]
Local Fee : $ 0.00

TOTAL DUE : $ [redacted]

Total Today: 1 Loads 21.02 TONS

NOTE:psychward

Customer:_____

_____

*Weighmaster Lic.#13010

RECYCLE DEPOT
230 VAN WAGNER ROAD
POUGHKEEPSIE, NY 12601
845-452-3939

Commodity Out - Charge Scale Ticket

Ticket #:164402 Operator:RIT Date:11/12/2015

Vehicle : COREWOOD2 COREWOOD #2

Customer : COREWOOD BOBBY SHERWOOD JR.
Contract : PSYCHWARD
Material : ITEM4/RCA REC. CONCRETE/AGGREGATE
Source :
Location : DUTCHESS
Time In : 07:03:59
Time Out : 07:23:05

Gross Wt : 69900 lb
Tare Wt : 29680 lb

Net Wt : 40220 lb

Units : 20.11 TONS
Unit price: $ [redacted]
Net Amount: $ [redacted]
Haul Chg: $ 0.00
State Fee : $ [redacted]
Local Fee : $ 0.00

TOTAL DUE : $ [redacted]

Total Today: 2 Loads 41.13 TONS

NOTE:psychward

Customer:_____

*Weighmaster Lic.#13010

RECYCLE DEPOT
230 VAN WAGNER ROAD
POUGHKEEPSIE, NY 12601
845-452-3939

Commodity Out - Charge Scale Ticket

Ticket #:164410 Operator:RIT Date:11/12/2015

Vehicle : COREWOOD COREWOOD #1

Customer : COREWOOD BOBBY SHERWOOD JR.
Contract : PSYCHWARD COREWOOD PSYCH WARD
Material : ITEM4/RCA REC. CONCRETE/AGGREGATE
Source :
Location : DUTCHESS
Time In : 08:27:09
Time Out : 08:34:49

Gross Wt : 70560 lb
Tare Wt : 29620 lb

Net Wt : 40940 lb

Units : 20.47 TONS
Unit price: $ [redacted]
Net Amount: $ [redacted]
Haul Chg: $ 0.00
State Fee : $ [redacted]
Local Fee : $ 0.00

TOTAL DUE : $ [redacted]

Total Today: 4 Loads 82.59 TONS

NOTE:psych

Customer:_____

_____

*Weighmaster Lic.#13010

RECYCLE DEPOT
230 VAN WAGNER ROAD
POUGHKEEPSIE, NY 12601
845-452-3939

Commodity Out - Charge Scale Ticket

Ticket #:164419 Operator:RIT Date:11/12/2015

Vehicle : COREWOOD COREWOOD #1

Customer : COREWOOD BOBBY SHERWOOD JR.
Contract : PSYCHWARD
Material : ITEM4/RCA REC. CONCRETE/AGGREGATE
Source :
Location : DUTCHESS
Time In : 09:29:30
Time Out : 09:35:25

Gross Wt : 69440 lb
Tare Wt : 29700 lb

Net Wt : 39740 lb

Units : 19.87 TONS
Unit price: $ [redacted]

Net Amount: $ [redacted]
Haul Chg: $ 0.00
State Fee : $ [redacted]
Local Fee : $ 0.00

TOTAL DUE : $ [redacted]

Total Today: 6 Loads 122.51 TONS

NOTE:psych ward

Customer:_____

*Weighmaster Lic.#13010

RECYCLE DEPOT
230 VAN WAGNER ROAD
POUGHKEEPSIE, NY 12601
845-452-3939

Commodity Out - Charge Scale Ticket

Ticket #:164175 Operator:RIT Date:11/09/2015

Vehicle : COREWOOD COREWOOD #1

Customer : COREWOOD BOBBY SHERWOOD JR.
Contract : PSYCHWARD
Material : ITEM4/RCA REC. CONCRETE/AGGREGATE
Source :
Location : DUTCHESS
Time In : 13:23:12
Time Out : 13:32:15

Gross Wt : 67920 lb
Tare Wt : 27800 lb MAN WT.

Net Wt : 40120 lb

Units : 20.06 TONS
Unit price: $ [redacted]
Net Amount: $ [redacted]
Haul Chg: $ 0.00
State Fee : $ [redacted]
Local Fee : $ 0.00

TOTAL DUE : $ [redacted]

Total Today: 3 Loads 61.50 TONS

NOTE:psych ward

Customer:_____

_____

*Weighmaster Lic.#13010__

RECYCLE DEPOT
230 VAN WAGNER ROAD
POUGHKEEPSIE, NY 12601
845-452-3939

Commodity Out - Charge Scale Ticket

Ticket #:164188 Operator:RIT Date:11/09/2015

Vehicle : COREWOOD COREWOOD #1

Customer : COREWOOD BOBBY SHERWOOD JR.
Contract : PSYCHWARD
Material : ITEM4/RCA REC. CONCRETE/AGGREGATE
Source :
Location : DUTCHESS
Time In : 14:16:43
Time Out : 14:23:26

Gross Wt : 68680 lb
Tare Wt : 27800 lb MAN WT.

Net Wt : 40880 lb

Units : 20.44 TONS
Unit price: $ [redacted]
Net Amount: $ [redacted]
Haul Chg: $ 0.00
State Fee : $ [redacted]
Local Fee : $ 0.00

TOTAL DUE : $ [redacted]

Total Today: 4 Loads 81.94 TONS

NOTE:psych

Customer:_____

*Weighmaster Lic.#13010

RECYCLE DEPOT
230 VAN WAGNER ROAD
POUGHKEEPSIE, NY 12601
845-452-3939

Commodity Out - Charge Scale Ticket

Ticket #:164150 Operator:RIT Date:11/09/2015

Vehicle : COREWOOD COREWOOD #1

Customer : COREWOOD BOBBY SHERWOOD JR.
Contract : PSYCHWARD
Material : ITEM4/RCA REC. CONCRETE/AGGREGATE
Source :
Location : DUTCHESS
Time In : 11:47:12
Time Out : 11:55:22

Gross Wt : 68260 lb
Tare Wt : 27780 lb

Net Wt : 40480 lb

Units : 20.24 TONS
Unit price: $ [redacted]
Net Amount: $ [redacted]
Haul Chg: $ 0.00
State Fee : $ [redacted]
Local Fee : $ 0.00

TOTAL DUE : $ [redacted]

Total Today: 1 Loads 20.24 TONS

NOTE:psych ward

Customer:_____

*Weighmaster Lic.#13010

RECYCLE DEPOT
230 VAN WAGNER ROAD
POUGHKEEPSIE, NY 12601
845-452-3939

Commodity Out - Charge Scale Ticket

Ticket #:164165 Operator:RIT Date:11/09/2015

Vehicle : COREWOOD COREWOOD #1

Customer : COREWOOD BOBBY SHERWOOD JR.
Contract : PSYCHWARD
Material : ITEM4/RCA REC. CONCRETE/AGGREGATE
Source :
Location : DUTCHESS
Time In : 12:35:37
Time Out : 12:42:11

Gross Wt : 70140 lb
Tare Wt : 27740 lb

Net Wt : 42400 lb

Units : 21.20 TONS
Unit price: $ [redacted]

Net Amount: $ [redacted]
Haul Chg: $ 0.00
State Fee : $ [redacted]
Local Fee : $ 0.00

TOTAL DUE : $ [redacted]

Total Today: 2 Loads 41.44 TONS

NOTE: Psey. WARD C.W

Customer: _____

_____

*Weighmaster Lic.#13010

RECYCLE DEPOT
230 VAN WAGNER ROAD
POUGHKEEPSIE, NY 12601
845-452-3939

Commodity Out - Charge Scale Ticket

Ticket #:163119 Operator:RIT Date:10/27/2015

Vehicle : COREWOOD COREWOOD #1

Customer : COREWOOD BOBBY SHERWOOD JR.
Contract : PSYCHWARD COREWOOD PSYCH WARD
Material : ITEM4/RCA REC. CONCRETE/AGGREGATE
Source :
Location : DUTCHESS
Time In : 12:46:41
Time Out : 12:54:45

Gross Wt : 66620 lb
Tare Wt : 27800 lb MAN WT.

Net Wt : 38820 lb

Units : 19.41 TONS
Unit price: $ [redacted]

Net Amount: $ [redacted]
Haul Chg: $ [redacted]
State Fee : $ [redacted]
Local Fee : $ 0.00

TOTAL DUE : $ [redacted]

Total Today: 1 Loads 19.41 TONS

NOTE:psych

Customer: _____

*Weighmaster Lic.#13010

RECYCLE DEPOT
230 VAN WAGNER ROAD
POUGHKEEPSIE, NY 12601
845-452-3939

Commodity Out - Charge Scale Ticket

Ticket #:163100 Operator:RIT Date:10/27/2015

Vehicle : COREWOOD2 COREWOOD #2

Customer : COREWOOD BOBBY SHERWOOD JR.
Contract : COREWOODR
Material : ITEM4/RCA REC. CONCRETE/AGGREGATE
Source :
Location : DUTCHESS
Time In : 11:06:11
Time Out : 11:16:04

Gross Wt : 68840 lb
Tare Wt : 27900 lb

Net Wt : 40940 lb

Units : 20.47 TONS
Unit price: $ [redacted]

Net Amount: $ [redacted]
Haul Chg: $ 0.00
State Fee : $ [redacted]
Local Fee : $ 0.00

TOTAL DUE : $ [redacted]

Total Today: 3 Loads 61.28 TONS

NOTE:psych

Customer: _____

*Weighmaster Lic.#13010

RECYCLE DEPOT
230 VAN WAGNER ROAD
POUGHKEEPSIE, NY 12601
845-452-3939

Commodity Out - Charge Scale Ticket

Ticket #:163112 Operator:RIT Date:10/27/2015

Vehicle : COREWOOD2 COREWOOD #2

Customer : COREWOOD BOBBY SHERWOOD JR.
Contract : COREWOODR
Material : ITEM4/RCA REC. CONCRETE/AGGREGATE
Source :
Location : DUTCHESS
Time In : 11:56:28
Time Out : 12:05:37

Gross Wt : 67340 lb
Tare Wt : 27800 lb MAN WT.

Net Wt : 39540 lb

Units : 19.77 TONS
Unit price: $ [redacted]

Net Amount: $ [redacted]
Haul Chg: $ 0.00
State Fee : $ [redacted]
Local Fee : $ 0.00

TOTAL DUE : $ [redacted]

Total Today: 5 Loads 101.81 TONS

NOTE:psych ward

Customer: _____

*Weighmaster Lic.#13010

RECYCLE DEPOT
230 VAN WAGNER ROAD
POUGHKEEPSIE, NY 12601
845-452-3939

Commodity Out - Charge Scale Ticket

Ticket #:163138 Operator:RIT Date:10/27/2015

Vehicle : COREWOOD COREWOOD #1

Customer : COREWOOD BOBBY SHERWOOD JR.
Contract : PSYCHWARD COREWOOD PSYCH WARD
Material : ITEM4/RCA REC. CONCRETE/AGGREGATE
Source :
Location : DUTCHESS
Time In : 14:40:07
Time Out : 14:47:39

Units : 20.51 TONS
Unit price: $[redacted]

Net Amount: $[redacted]
Haul Chg: $ 0.00
State Fee : $[redacted]
Local Fee : $ 0.00

TOTAL DUE : $[redacted]

Gross Wt : 68820 lb
Tare Wt : 27800 lb MAN WT.

Net Wt : 41020 lb

Total Today: 5 Loads 99.66 TONS

NOTE:psych ward

Customer: _____

_____

*Weighmaster Lic.#13010

RECYCLE DEPOT
230 VAN WAGNER ROAD
POUGHKEEPSIE, NY 12601
845-452-3939

Commodity Out - Charge Scale Ticket

Ticket #:163130 Operator:RIT Date:10/27/2015

Vehicle : COREWOOD COREWOOD #1

Customer : COREWOOD BOBBY SHERWOOD JR.
Contract : PSYCHWARD COREWOOD PSYCH WARD
Material : ITEM4/RCA REC. CONCRETE/AGGREGATE
Source :
Location : DUTCHESS
Time In : 13:53:46
Time Out : 14:00:58

Units : 19.19 TONS
Unit price: $[redacted]
Net Amount: $[redacted]
Haul Chg: $ 0.00
State Fee : $[redacted]
Local Fee : $ 0.00

TOTAL DUE : $[redacted]

Gross Wt : 66180 lb
Tare Wt : 27800 lb MAN WT.

Net Wt : 38380 lb

Total Today: 3 Loads 59.35 TONS

NOTE:p;sych

Customer: _____

*Weighmaster Lic.#13010

RECYCLE DEPOT
230 VAN WAGNER ROAD
POUGHKEEPSIE, NY 12601
845-452-3939

Commodity Out - Charge Scale Ticket

Ticket #:163344 Operator:RIT Date:10/30/2015

Vehicle : COREWOOD COREWOOD #1

Customer : COREWOOD BOBBY SHERWOOD JR.
Contract : PSYCHWARD COREWOOD PSYCH WARD
Material : ITEM4/RCA REC. CONCRETE/AGGREGATE
Source :
Location : DUTCHESS
Time In : 07:14:35
Time Out : 07:20:38

Gross Wt : 68620 lb
Tare Wt : 27960 lb

Net Wt : 40660 lb

Units : 20.33 TONS
Unit price: $[redacted]

Net Amount: [redacted]
Haul Chg: $ 0.00
State Fee : $[redacted]
Local Fee : $ 0.00

TOTAL DUE : [redacted]

Total Today: 1 Loads 20.33 TONS

NOTE:psych

Customer: _____

_____

*Weighmaster Lic.#130[illegible]

3348 Route 208, Campbell Hall, NY 10916
Phone: 845-496-1600 Fax: 845-496-1398
25 Hathorn Road, Enfield, NH 03748
42 Day Farm Road, West Stockbridge, MA 01266
1813 State Route 7, Harpursville, NY 13787

Client:	**Corewood Ventures Inc.**	**Project:**	Quality Control
Item:	Recycled Item 4	**Project Number:**	140676
Source:	Recycle Depot, Poughkeepsie	**Lab Number:**	15-1156
Date Sampled:	10/13/2015	**Sampled By:**	Client
Date Tested:	10/19/2015	**Tested By:**	Aaron Connor

GRADATION (SIEVE ANALYSIS) OF SOIL OR AGGREGATE

Test Method(s): ASTM D422, C136, C117; AASHTO T88, T27, T11

Lab Number	Sample Type	Sampling Location	Specification
15-1156	Recycled Item 4	Stockpile	

Sieve Size		%	%	Spec. %
mm	Inches	Retained	Passing	Pass
100.0 mm	4"	0.0	100	
75.0 mm	3"	0.0	100	
63.0 mm	2 1/2"	0.0	100	
50.0 mm	2"	0.0	100	
37.5 mm	1 1/2"	1.0	99	
25.0 mm	1"	8.7	90	
19.0 mm	3/4"	9.1	81	
12.5 mm	1/2"	13.5	68	
6.3 mm	1/4"	18.4	49	
4.75 mm	#4	6.5	43	
2.00 mm	#10	14.0	29	
0.850 mm	#20	10.1	19	
0.600 mm	#30	3.2	16	
0.425 mm	#40	2.7	13	
0.212 mm	#80	4.1	8.7	
0.150 mm	#100	2.1	6.6	
0.075 mm	#200	2.0	4.6	
Pan		4.6		

Comments:

Minus #200 by wash-sieve method.

Report Reviewed By: Emily J. Rodriguez

PDF

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Dutchess Quarry & Supply 810078632
Pleasant Valley Aggregates
845-635-8151 33 81 dlans

Ticket#: 810078632 Oct 29, 2015 9:58:23AM
Customer: Corewood Ventures Inc.
240 Van Wagner Rd 22814

POUGHKEESPIE,NY 12603

P.O.:
Product: 1370 #1 ST WASHED STONE
Truck: CORE80 FOB

Summary	Tons	LBS
Gross Weight:	36.02	72,040
Tare Weight:	14.53	29,060
Net Weight:	21.49	42,980

Avoid prolonged exposure to dust. Wear a mask if possible.NOTICE: Customer/driver certifies that the loaded gross vehicle weight of this vehicle is in compliance with allstate and federal regulations.

Job: HUDSON RIVER PS HYDE PARK

	ENGLISH	METRIC
Load Total:	21.49	19.50
Daily Total:	43.11	39.11
Job Total:	43.11	39.11
Y-T-D Total:	84.86	76.99

Ref Num:
PO Desc:

A Manufacturers Safety Data Sheet is at the plant office for you inspection. For a free copy call 914-949-2000

Dutchess Quarry & Supply 810078608
Pleasant Valley Aggregates
845-635-8151 33 81 dlans

Ticket#: 810078608 Oct 29, 2015 8:52:07AM
Customer: Corewood Ventures Inc.
240 Van Wagner Rd 22814

POUGHKEESPIE,NY 12603

P.O.:
Product: 1370 #1 ST WASHED STONE
Truck: CORE80 FOB

Summary	Tons	LBS
Gross Weight:	36.15	72,300
Tare Weight:	14.53	29,060
Net Weight:	21.62	43,240

Avoid prolonged exposure to dust. Wear a mask if possible.NOTICE: Customer/driver certifies that the loaded gross vehicle weight of this vehicle is in compliance with allstate and federal regulations.

Job: HUDSON RIVER PS HYDE PARK

	ENGLISH	METRIC
Load Total:	21.62	19.61
Daily Total:		
Job Total:		
Y-T-D Total:	63.37	57.48

Ref Num:
PO Desc:

A Manufacturers Safety Data Sheet is at the plant office for you inspection. For a free copy call 914-949-2000

Dutchess Quarry & Supply 810076323
Pleasant Valley Aggregates
845-635-8151 33 81 dlans

Ticket#: 810076323 Oct 12, 2015 7:28:42AM
Customer: Corewood Ventures Inc.
240 Van Wagner Rd 22814

POUGHKEESPIE,NY 12603

P.O.:
Product: 1364 #2 WASHED STN 3/4 INCH
Truck: CORE80 FOB

Summary	Tons	LBS
Gross Weight:	35.44	70,880
Tare Weight:	14.54	29,080
Net Weight:	20.90	41,800

Avoid prolonged exposure to dust. Wear a mask if possible.NOTICE: Customer/driver certifies that the loaded gross vehicle weight of this vehicle is in compliance with allstate and federal regulations.

Job:

	ENGLISH	METRIC
Load Total:	20.90	18.96
Daily Total:	41.22	37.39
Job Total:		
Y-T-D Total:	150.24	136.30
Ref Num:		
PO Desc:		

A Manufacturers Safety Data Sheet is at the plant office for you inspection. For a free copy call 914-949-2000

Dutchess Quarry & Supply 810076321
Pleasant Valley Aggregates
845-635-8151 33 81 dlans

Ticket#: 810076321 Oct 12, 2015 7:24:01AM
Customer: Corewood Ventures Inc.
240 Van Wagner Rd 22814

POUGHKEESPIE,NY 12603

P.O.:
Product: 1364 #2 WASHED STN 3/4 INCH
Truck: CORE75 FOB

Summary	Tons	LBS
Gross Weight:	33.93	67,860
Tare Weight:	13.61	27,220
Net Weight:	20.32	40,640

Avoid prolonged exposure to dust. Wear a mask if possible.NOTICE: Customer/driver certifies that the loaded gross vehicle weight of this vehicle is in compliance with allstate and federal regulations.

Job:

	ENGLISH	METRIC
Load Total:	20.32	18.43
Daily Total:		
Job Total:		
Y-T-D Total:	129.34	117.33
Ref Num:		
PO Desc:		

A Manufacturers Safety Data Sheet is at the plant office for you inspection. For a free copy call 914-949-2000

Dutchess Quarry & Supply 810076371
Pleasant Valley Aggregates
845-635-8151 33 81 dlans

Ticket#: 810076371 Oct 12, 2015 9:41:40AM
Customer: Corewood Ventures Inc.
240 Van Wagner Rd 22814

POUGHKEESPIE,NY 12603

P.O.:
Product: 1364 #2 WASHED STN 3/4 INCH
Truck: CORE75 FOB

Summary	Tons	LBS
Gross Weight:	33.70	67,400
Tare Weight:	13.61	27,220
Net Weight:	20.09	40,180

Avoid prolonged exposure to dust. Wear a mask if possible.NOTICE: Customer/driver certifies that the loaded gross vehicle weight of this vehicle is in compliance with allstate and federal regulations.

Job:

	ENGLISH	METRIC
Load Total:	20.09	18.23
Daily Total:	61.31	55.62
Job Total: Y-T-D Total:	170.33	154.53

Ref Num:
PO Desc:

A Manufacturers Safety Data Sheet is at the plant office for you inspection. For a free copy call 914-949-2000

Dutchess Quarry & Supply 810076413
Pleasant Valley Aggregates
845-635-8151 33 81 dlans

Ticket#: 810076413 Oct 12, 2015 12:11:21PM
Customer: Corewood Ventures Inc.
240 Van Wagner Rd 22814

POUGHKEESPIE,NY 12603

P.O.:
Product: 1364 #2 WASHED STN 3/4 INCH
Truck: CORE75 FOB

Summary	Tons	LBS
Gross Weight:	33.99	67,980
Tare Weight:	13.61	27,220
Net Weight:	20.38	40,760

Avoid prolonged exposure to dust. Wear a mask if possible.NOTICE: Customer/driver certifies that the loaded gross vehicle weight of this vehicle is in compliance with allstate and federal regulations.

Job:

	ENGLISH	METRIC
Load Total:	20.38	18.49
Daily Total:	102.06	92.59
Job Total: Y-T-D Total:	211.08	191.49

Ref Num:
PO Desc:

A Manufacturers Safety Data Sheet is at the plant office for you inspection. For a free copy call 914-949-2000

Dutchess Quarry & Supply 810076373
Pleasant Valley Aggregates
845-635-8151 33 81 dlans

Ticket#: 810076373 Oct 12, 2015 9:44:36AM
Customer: Corewood Ventures Inc.
240 Van Wagner Rd 22814

POUGHKEESPIE,NY 12603

P.O.:
Product: 1364 #2 WASHED STN 3/4 INCH
Truck: CORE80 FOB

Summary	Tons	LBS
Gross Weight:	34.91	69,820
Tare Weight:	14.54	29,080
Net Weight:	20.37	40,740

Avoid prolonged exposure to dust. Wear a mask if possible.NOTICE: Customer/driver certifies that the loaded gross vehicle weight of this vehicle is in compliance with allstate and federal regulations.

Job:

	ENGLISH	METRIC
Load Total:	20.37	18.48
Daily Total:	81.68	74.10
Job Total:		
Y-T-D Total:	190.70	173.00
Ref Num:		
PO Desc:		

A Manufacturers Safety Data Sheet is at the plant office for you inspection. For a free copy call 914-949-2000