nationalgrid

May 14, 2009

John Spellman, P.E. Division of Environmental Remediation New York State Department of Environmental Conservation 625 Broadway, 11th Floor Albany, New York 12233-7014

Subject: Construction Completion Report Purifier Waste Deposits, Tar Liquor Sump, and Oil/Water Separator Troy (Water Street) Site – Area 2 Troy, New York

Dear Mr. Spellman:

Please find enclosed three copies of the *Construction Completion Report, Purifier Waste Deposits, Tar Liquor Sump, and Oil/Water Separator* (CCR) for the above-referenced site. This report was originally submitted in July 2008 and has been revised to address the comments presented in a November 4, 2008 letter from the New York State Department of Environmental Conservation (NYSDEC), which has been included as Attachment A. Provided below is a summary of how the NYSDEC's comments were addressed in the enclosed CRR.

NYSDEC Comment No. 1

Based on observations from Brown and Caldwell's on-site representative, available photodocumentation, and discussions with the contractor's (D.A. Collins Environmental) field supervisor, it is confirmed that there were two penetrations in the bottom of the Tar Liquor Sump (TLS). As previously discussed with NYSDEC, identification of these two penetrations was inadvertently absent from the original report.

As presented in the enclosed report and consistent with NYSDEC's observations noted in their November 4, 2008 letter, the concrete bottom of the structure was intact with the exception of two penetrations in the floor. One approximate 2-foot by 2-foot square penetration was present in the northeast corner of the TLS bottom. One approximate 6 to 8-inch diameter circular penetration was present in the southern most chamber of the TLS. The photographic log included as Appendix B to the CCR includes additional photographs documenting the presence of these penetrations. John Spellman, P.E. May 14, 2009 Page 2

The two penetrations in the concrete bottom of the TLS were observed to contain viscous coal tar. Materials were removed from the penetrations to a depth of 1.5 to 2 feet and material below this point was considered inaccessible. The small size of the penetrations and thick consistency of the NAPL limited the accessibility of the material below this point. The presence of approximately 8 feet of saturated fill in the TLS structure indicates that the structure was sufficiently intact to hold water. Based on this and given the observed high viscosity of NAPL within the structure, including NAPL within the above-mentioned penetrations, it appears that the structure was effectively controlling potential NAPL migration to surrounding media. However, since the bottoms of the penetrations were not encountered, the integrity of the bottom of the penetrations could not be assessed and, therefore, the post-removal inspection is inconclusive with respect to whether constituents could have been released from the TLS structure in the past.

National Grid understands that a determination regarding whether or not removal of the TLS structure itself is necessary will be made in conjunction with forthcoming decisions regarding modifying the remedy selected in the July 2003 Record of Decision (ROD). National Grid further understands that NYSDEC is reviewing National Grid's January 2009 Draft Proposal to Modify the Site Remedy (PMSR). As documented in correspondence between National Grid and NYSDEC (Letter from National Grid to NYSDEC dated October 21, 2008 and Letter from NYSDEC to National Grid dated October 30, 2008), the PMSR presents a detailed analysis of a range remedial action alternatives to support modification of the remedy selected in the ROD. Remedial action alternatives evaluated in the detailed analysis include remedial components that address the portions of the Site occupied by the OWS and TLS structures (e.g., soil excavation, in situ solidification/stabilization, site cover, institutional controls). As part of the detailed analysis, potential removal of the TLS structure itself was evaluated in the context of each of the remedial alternatives.

NYSDEC Comment No. 2

The surveyed location of the TLS, OWS, and limits of the purifier waste removal, which were presented in Appendix E of the report, are available in New York State Plane coordinates should these locations need to be precisely located in the future. Additionally, Figure 2 (Site Plan) has been corrected to indicate that the limits of the purifier waste removal area are based on survey information and are not approximate limits.

NYSDEC Comment No. 3

As requested, the final version of the report has been titled "Construction Completion Report".

John Spellman, P.E. May 14, 2009 Page 3

If you have any questions or require additional information, please do not hesitate to contact me at 315.428.6529.

Sincerely,

FOR M. Cathy Geraci Project Manager

Enclosure

cc: M. Schuck, NYSDOH J. Caputi, Brown and Caldwell A. Sherman, Brown and Caldwell

ATTACHMENT A

New York State Department of Environmental Conservation

Division of Environmental Remediation Remedial Bureau C, 11th Floor 625 Broadway, Albany, New York 12233-7014 Phone: (518) 402-9662 • FAX: (518) 402-9679 Website: www.dec.ny.gov



November 4, 2008

M. Cathy Geraci Lead Senior Environmental Engineer National Grid 300 Erie Boulevard West, C-1 Syracuse, New York 13202

> RE: Troy Water Street MGP Site, Area 2, Troy, Rensselaer Co. 4-42-029 Remedial Action Report, Tar Liquor Sump

Dear Ms. Geraci:

Thank you and Adam Sherman for your July 11, 2008 transmittal of the draft "Remedial Action Report, Purifier Waste Deposits, Tar Liquor Sump, and Oil/Water Separator, Troy (Water Street) Site - Area 2". As we discussed on October 15, 2008, the New York State Department of Environmental Conservation (Department) has the following comments on the report:

- 1. Regarding the post-removal inspection of the tar liquor sump (TLS), the Department agrees with National Grid that the walls of the structure were competent. However, the Department observed an approximate eight-inch circular cutout in the structure floor filled with tar and an approximate two-foot square cutout in the floor filled with tar (Department photographs enclosed). These potentially open penetrations of the floor are not mentioned in the report. The post-removal inspection was unable to provide sufficient information regarding the thickness of the tar, and whether the floor was continuous and competent underneath the tar. Therefore, the Department has determined that the inspection is inconclusive with respect to whether contaminants were released from the structure. Thus, the Department reserves the right to apply a strict interpretation of the July 2003 Record of Decision's requirement to remove the structure itself. The removal of the TLS structure will be reviewed in conjunction with the forthcoming "detailed evaluation" submittal identified in your October 21, 2008 letter.
- 2. The location of the TLS, oil/water separator and limits of the purifier waste removal should be tied to New York State Plane Coordinate System or other acceptable horizontal control. Forthcoming demolition of the Water Gas Building and riverbank plant growth

would be expected to make the structures and waste removal area more difficult to find in the future.

3. The Department suggests "Construction Completion Report" as a more appropriate title for the report.

Please revise the report to include photographs, detailed observations of the tar liquor sump floor prior to backfill and a plan figure reflective of these comments. Please call me at (518) 402-9648 if you have any questions or if you would like to discuss further.

Sincerely,

John Spellman

John Spellman, P.E. Project Manager Division of Environmental Remediation

enc.

cc: A. Sherman, Brown and Caldwell





CONSTRUCTION COMPLETION REPORT PURIFIER WASTE DEPOSITS, TAR LIQUOR SUMP, AND OIL/WATER SEPARATOR TROY (WATER STREET) SITE - AREA 2 TROY, RENSSELAER COUNTY, NEW YORK

Prepared for

Niagara Mohawk Power Corporation d/b/a National Grid, Syracuse, New York May 2009

CONSTRUCTION COMPLETION REPORT PURIFIER WASTE DEPOSITS, TAR LIQUOR SUMP, AND OIL/WATER SEPARATOR TROY (WATER STREET) SITE - AREA 2 TROY, RENSSELAER COUNTY, NEW YORK

Prepared for

NIAGARA MOHAWK POWER CORPORATION D/B/A NATIONAL GRID 300 ERIE BLVD. WEST

SYRACUSE, NEW YORK 13202

MAY 2009

PROJECT NUMBER: 132071

BROWN AND CALDWELL

Brown and Caldwell Associates 234 Hudson Avenue Albany, New York 12210

110 Commerce Drive Allendale, New Jersey 07401

ENGINEER'S CERTIFICATION

CONSTRUCTION COMPLETION REPORT PURIFIER WASTE DEPOSITS, TAR LIQUOR SUMP, AND OIL/WATER SEPARATOR TROY (WATER STREET) SITE - AREA 2 TROY, RENSSELAER COUNTY, NEW YORK

I certify, in accordance with Paragraph II.D.1 of Order on Consent Index No. A4-0473-0000 (November 7, 2003), that the Remedial Action was implemented and that all construction activities were constructed in substantial conformance with the New York State Department of Environmental Conservation-approved Interim Remedial Measures Work Plan for the Tar Liquor Sump and Oil/Water Separator, Troy (Water St.) Site – Area 2; Rensselaer County, New York (Brown and Caldwell Associates, November, 2006), Clarifications to the Interim Remedial Measures Work Plan for the Tar Liquor Sump and Oil/Water Separator, Troy (Water St.) Site – Area 2; Rensselaer County, New York (Brown and Caldwell Associates, June, 2007), and Final 'Interim Remedial Measures Work Plan for the Tar Liquor Street) Site – Area 2; Rensselaer County, New York (Brown and Caldwell Associates, June, 2007), and Final 'Interim Remedial Measures Work Plan for Street) Site – Area 2; Rensselaer County, New York (Brown and Caldwell Associates, June, 2007), and Final 'Interim Remedial Measures Work Plan for Purifier Waste Deposits, Troy (Water Street) Site – Area 2; Rensselaer County, New York (Brown and Caldwell Associates, June, 2007), and Final 'Interim Remedial Measures Work Plan for Purifier Waste Deposits, Troy (Water Street) Site – Area 2; Rensselaer County, New York (Brown and Caldwell Associates, June, 2007), and Final 'Interim Remedial Measures Work Plan for Purifier Waste Deposits, Troy (Water Street) Site – Area 2; Rensselaer County, New York (Brown and Caldwell Associates, June, 2007), and Final 'Interim Remedial Measures Work Plan for Deposits, Troy (Water Street) Site – Area 2; Rensselaer County, New York (Brown and Caldwell Associates, June, 2007), as identified in this Construction Completion Report.

Jeffrey R. Capati P.E., CHMM, QEP New York State P.E. License #082196

Vice President Brown and Caldwell 110 Commerce Drive Allendale, New Jersey 07401 (201) 574-4700 5/13/09

Date

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1. INTRODUCTION

This Construction Completion Report was prepared on behalf of Niagara Mohawk Power Corporation, doing business as (d/b/a) National Grid to document remedial action activities at Area 2 of the Troy (Water St.) Site located in Troy, Rensselaer County, New York (hereafter referred to as the "Site"). The Construction Completion Report provides a summary of the remedial activities completed to remove purifier waste deposits from the Site and material contained within two on-site structures [Tar Liquor Sump (TLS) and Oil/Water Separator (OWS)]. The remedial activities were addressed by the following work plans:

- "Interim Remedial Measures Work Plan for the Tar Liquor Sump and Oil/Water Separator, Troy (Water St.) Site – Area 2; Rensselaer County, New York" (Brown and Caldwell Associates, November 2006) and "Clarifications to the Interim Remedial Measures Work Plan for the Tar Liquor Sump and Oil/Water Separator, Troy (Water St.) Site – Area 2; Rensselaer County, New York" (Brown and Caldwell Associates, June 2007), hereafter collectively referred to as the "TLS/OWS Work Plan"; and
- Final "Interim Remedial Measures Work Plan for Purifier Waste Deposits, Troy (Water Street) Site Area 2; Rensselaer County, New York" (Brown and Caldwell Associates, June 2007), hereafter referred to as the "PW Work Plan".

The work plans, which were prepared in accordance with the requirements of the Order on Consent Index # A4-0473-0000, Exhibit H, issued by the New York State Department of Environmental Conservation (NYSDEC), were approved by NYSDEC in letters to National Grid dated January 19, 2007 (TLS/OWS Work Plan) and March 30, 2007 (PW Work Plan).

Removal of purifier waste deposits and removal of contents of the TLS and OWS were identified as components of the comprehensive Site remedy selected in the Record of Decision (ROD) for the Site (Site Number 4-42-029), dated July 2003. As such, the remedial activities documented in this report represent components of the Site remedy.

This report was originally submitted in July 2008 and has been revised to address the comments presented in a November 4, 2008 letter from NYSDEC to National Grid (letter from Mr. John Spellman to Ms. Cathy Geraci).

1.1 Background

A detailed description of the Site background was presented in the NYSDEC-approved March 2002 Final Feasibility Study Report and the July 2003 Record of Decision (ROD). The Site is located in Troy, Rensselaer County, New York. The approximately 16-acre Site is bordered by a railroad spur to the east, a former asphalt batch plant owned by Chevron USA, Inc. to the south (Area 3), the Hudson River to the west, and Wynantskill Creek to the north (Figure 1).

Purifier Waste Deposits

Purifier waste was generated in the course of refining coal gas to remove cyanide and hydrogen sulfide before conveying the gas to the distribution system. Purifier waste typically consists of wood chips, sulfur, sulfur compounds and iron cyanide compounds. Purifier waste can often be identified by its typical greenish-blue color and a distinctive, sulfurous odor. Removal and off-site disposal of purifier waste surface deposits is one element of the selected remedy described in the ROD (p. 28). As described in the ROD (p. 9), purifier waste had been noted in two locations at the Site:

- 1. on the top of the bank of the Hudson River approximately 170 feet south of the mouth of the Wynantskill Creek; and
- 2. south of the former 2 MM CF gas holder.

As discussed in the PW Work Plan, purifier waste deposits south of the former 2 MM CF gas holder had not been observed during investigation activities conducted by Brown and Caldwell Associates, which preceded the remedial actions, therefore, the remedial action for purifier waste deposits included an investigation to confirm whether or not purifier waste deposits was present in this area.

Tar Liquor Sump and Oil/Water Separator

The Water Gas Building was constructed in the northern portion of the Site by 1925 and was expanded to its present-day footprint by approximately 1946. The TLS is present along the west side of the Water Gas Building and soil borings advanced during previous site investigations encountered tar saturated material inside the sump. The OWS is located on the opposite side of the Water Gas Building (i.e., the east side) and was observed to contain water, segments of piping, concrete, plywood, vines, and miscellaneous refuse.

1.2 Objectives

The following objectives were established in the work plans for the remedial activities:

- 1. Safely remove the purifier waste deposits from the Site to the extent necessary to meet the remediation goals stated in the ROD (page 14);
- 2. Safely remove MGP-impacted materials contained in the TLS and OWS for off-site treatment/disposal. The remedial activities did not include removal of structures or measures to address impacted media outside the structures.

1.3 Overview of Remedial Actions Completed

The scope of the remedial action activities was outlined in the PW Work Plan and TLS/OWS Work Plan. In general the work included mobilization, site preparation, waste characterization, purifier waste removal, waste management, backfill and site restoration, final site cleaning, and demobilization.

A phased-approach was used for implementation of the remedial activities at the Site. Waste characterization activities were performed prior to waste removal to expedite the field activities and avoid staging waste material on-site for potentially extended periods while awaiting waste characterization results.

The sequence of the remedial activities was as follows:

- 1. Investigation of the potential presence of purifier waste deposits south of the former 2 MM CF gas holder;
- 2. Waste characterization sampling and analysis;
- 3. Waste profiling and acceptance;
- 4. Site preparation (e.g., utility clearance, work area demarcation, perimeter fencing, decontamination pad, etc.);
- 5. Excavation, transportation and disposal (T&D), and backfill/restoration of purifier waste deposit area;
- 6. Removal, waste conditioning, T&D, and backfill/restoration of OWS and TLS contents;
- 7. Surveying; and
- 8. Demobilization.

As identified in the TLS/OWS Work Plan, the scope of the remedial activities for the structures was limited to removal of the structure contents. Following removal of the structure contents, to the extent practicable, the structures were visually inspected and the results documented. In accordance with the ROD, removal of the structure(s) itself is to be based on the results of the inspection following removal of the structure contents. If the inspection concludes that no contaminants were released from the structure(s), then the structure(s) will be backfilled with an appropriate material and left in place. If the inspection reveals that the structure(s) may have released contaminants or the inspection is inconclusive, then the structure(s) itself will be removed.

The post-removal inspection of the OWS, which was performed in consultation with NYSDEC's on-site representative, revealed no visible cracks and the structure is considered generally intact and competent. As such, in accordance with the ROD, remedial action at the OWS is considered complete.

The post-removal inspection of the TLS, which was performed in consultation with NYSDEC's onsite representative, indicated that the concrete walls of the structure were generally intact and competent with the exception of one minor crack observed on the east wall on the southern end of the structure approximately 1 foot above the concrete floor. Consistent with NYSDEC's observations noted in their November 4, 2008 letter, the concrete bottom of the structure was intact with the exception of two penetrations in the floor (one approximate 2-foot by 2-foot square and one approximate 6 to 8-inch diameter circular penetration). The two penetrations in the concrete

bottom of the TLS were observed to contain viscous coal tar. Materials were removed from the penetrations to a depth of 1.5 to 2 feet and material below this point was considered inaccessible. The small size of the penetrations and thick consistency of the NAPL limited the accessibility of the material below this point. Since the bottoms of the penetrations were not encountered, the integrity of the bottom of the penetrations could not be assessed and, therefore, consistent with NYSDEC's November 4, 2008 letter, the post-removal inspection is inconclusive with respect to whether constituents could have been released from the TLS structure in the past.

National Grid understands that a determination regarding whether or not removal of the TLS structure itself is necessary will be made in conjunction with forthcoming decisions regarding modifying the remedy selected in the July 2003 ROD. National Grid further understands that NYSDEC is reviewing National Grid's January 2009 Draft Proposal to Modify the Site Remedy (PMSR). As documented in correspondence between National Grid and NYSDEC (letter from National Grid to NYSDEC dated October 21, 2008 and letter from NYSDEC to National Grid dated October 30, 2008), the PMSR presents a detailed analysis of a range remedial action alternatives to support modification of the remedy selected in the ROD. Remedial action alternatives evaluated in the detailed analysis include remedial components that address the portions of the Site occupied by the OWS and TLS structures (e.g., soil excavation, in situ solidification/stabilization, site cover, institutional controls). As part of the detailed analysis, potential removal of the TLS structure itself was evaluated in the context of each of the remedial alternatives.

1.4 Project Schedule

Remedial action activities commenced on August 2, 2007 with a field investigation in the potential purifier waste area to the south of the pad for the former 2 million cubic ft. (MM CF) holder and the purifier waste area along the bank of the Hudson River to characterize the purifier waste deposits for treatment/disposal.

Waste characterization sampling at the TLS and OWS was performed on February 11 and 12, 2008.

In February and March 2008, following receipt of waste characterization results, waste profiles were submitted to the disposal facilities to obtain waste acceptance. Disposal facility acceptance of each waste stream (i.e., purifier waste, TLS soil/sludge, TLS, OWS soil/sludge, and OWS water) was obtained by March 25, 2008.

The remedial construction activities commenced on April 7, 2008 with initial debris removal and water pump out at the OWS. Excavation of purifier waste deposits started on April 8, 2008 and backfill and site restoration were completed by April 11, 2008. The removal activities of TLS and OWS contents started on April 21, 2008 and backfill was completed on May 2 and May 5, 2008, respectively.

Demobilization was completed by May 8, 2008.

2. REMEDIAL ACTION

The remedial action included the following activities, which are further described in the following sections:

- Investigation of the potential presence of purifier waste deposits south of the former 2 MM CF gas holder;
- Site Preparation and Temporary Controls;
- Waste Characterization;
- Excavation, transportation and disposal (T&D), and backfill/restoration of purifier waste deposit area;
- Removal, waste conditioning, T&D, and backfill/restoration of TLS contents;
- Removal, waste conditioning, T&D, and backfill/restoration of OWS contents;
- Implementation of Health and Safety Measures; and
- Implementation of Community Air Monitoring Plan (CAMP).

The areas addressed by the remedial action are depicted on the Site Plan provided as Figure 2.

National Grid contracted D.A. Collins Environmental Services, LLC (DACE) to perform remedial construction activities. Construction oversight was performed by Brown and Caldwell Associates (BC), an affiliate of Brown and Caldwell, hereinafter referred to as BC.

Photographs of the remedial action activities are provided in the photographic log (Appendix B).

2.1 Investigation South of 2 MM - Cubic Foot Gasholder

On August 2, 2007, BC directed test pit activities, in the presence of an NYSDEC representative, in the area to the south of the pad for the former 2 million cubic ft. (MM CF) holder. As described in the June 2007 PW Work Plan, the test pitting was conducted to evaluate if purifier waste deposits previously observed in this area are still present.

Mark-out of underground utilities was conducted prior to commencing test pit activities. The anticipated configuration of the test pit was depicted on Figure 3-1 of the PW Work Plan. The actual configuration and location of the test pit (TP-222) was adjusted to maintain a 10-foot clearance from the gas distribution line that traverses the area and due to field conditions (i.e., for safe positioning of the excavator near overhead lines and the bank of the Wynantskill). The test pit log for TP-222 is included as Appendix A along with a sketch depicting the approximate position and configuration of the test pit TP-222.

No indications of purifier waste or other MGP-related waste were encountered in the test pit. The material encountered included top soil and fill, which locally contained various construction debris (e.g., pavement fragments, bricks, chain link fencing, etc.).

A request to remove this area from the planned remedial action activities was proposed to NYSDEC in an email dated August 9, 2007 (from Cathy Geraci [National Grid] to John Spellman [NYSDEC]). NYSDEC approval to remove his area from the planned remedial action activities was issued in an email dated August 23, 2007 (from John Spellman [NYSDEC] to Cathy Geraci [National Grid]). Copies of these email correspondence are included in Appendix C.

2.2 Site Preparation and Temporary Controls

A temporary chain link construction fence was installed during site preparation activities at the northern, southern and western side of the area surrounding the TLS and was attached to the existing Water Gas Building. DACE demarcated the OWS and purifier waste deposit work areas with orange construction fence.

Prior to removal of purifier waste material, DACE placed hay bales and silt fence along the Hudson River Bank, on the down gradient side of the work area, for sediment control measures (Appendix B, Photograph #1). The sediment control measures were monitored and maintained during the course of work activities. Following remedial action activities, hay bales and silt fencing were removed.

DACE constructed decontamination pads consisting of heavy duty plastic sheeting with the perimeter laid over hay bales to form a berm. Washwater/rinsate and solids from the decontamination operations were containerized in an on-site storage tank for disposal along with water generated from the OWS and TLS (refer to Sections 2.5.2 and 2.6.2).

Hay bales used for sediment control and berm construction during the remedial activities were ultimately mixed with TLS and OWS contents and disposed at Covanta Niagara, L.P. (refer to Sections 2.5.2 and 2.6.2).

In addition to contacting NY Dig Safely prior to construction activities, the location of underground utilities in the vicinity of the work areas was marked out by a private utility locator. DACE also coordinated with National Grid Gas Supply Division to obtain clearance for conducting the work near the regulator station and gas line.

2.3 Waste Characterization

Waste characterization samples of purifier waste were collected on August 2, 2007, during the SI test pitting activities. Two samples were collected from shallow excavations completed within the previously field delineated limits of purifier waste located on the bank of the Hudson River. A representative sample of purifier waste was collected from each excavation and submitted to Lancaster Laboratories, Lancaster, PA for analysis of RCRA characteristics (Toxicity, Ignitability, Reactivity) and PCBs.

Waste characterization sampling of the TLS and OWS contents was conducted on February 11 and 12, 2008. After identification of the location of the TLS, the approximately one-foot thick cover soil was removed and staged on plastic sheeting. A cover over the TLS, as indicated on some historical drawings, was not observed. DACE dug two test pits in the northern and southern part of the TLS. Two samples of water and two composite samples of sludge/soil were collected from the TLS (i.e., one from each test pit). One sample of water and one composite sample of sludge were collected from the OWS. Water samples were submitted to Lancaster Laboratories, Lancaster, PA for analysis of RCRA characteristics (Toxicity, Ignitability, Corrosivity, Reactivity and selected parameters per requirements of the disposal facility. Soil/sludge samples were submitted to Lancaster Laboratories, Lancaster, PA for analysis of RCRA characteristics (Toxicity, Ignitability, Corrosivity, Reactivity, Ignitability, Reactivity and selected parameters per requirements of the disposal facility. Soil/sludge samples were submitted to Lancaster Laboratories, Lancaster, PA for analysis of RCRA characteristics (Toxicity, Ignitability, Reactivity and selected parameters per requirements of the disposal facility. Soil/sludge samples were submitted to Lancaster Laboratories, Lancaster, PA for analysis of RCRA characteristics (Toxicity, Ignitability, Reactivity and selected parameters per requirements of the disposal facilities. Soil/sludge samples were also sent to Accutest Laboratories, Dayton, NJ for total sulfur and BTU analysis.

A copy of the analytical reports is included in Appendix D.

Based on the analytical results, the samples of purifier waste material did not exhibit any hazardous characteristics. As such, it was determined that the material would be managed as a non-hazardous solid waste. Waste profiles were prepared and submitted to non-hazardous landfill facilities and the waste stream was accepted for disposal at Seneca Meadows, Inc. Landfill, Waterloo, NY.

Based on the analytical results, the samples of soil/sludge from the TLS and OWS did not exhibit hazardous characteristics, with the exception of exhibiting the toxicity characteristic for benzene. As such, the material would be eligible for treatment as a non-hazardous waste at a thermal treatment facility permitted to receive non-hazardous contaminated soil or sediment under the provisions of NYSDEC Document DER-4 entitled "Management of Coal Tar Waste and Coal Tar Contaminated Soils and Sediment From Former Manufactured Gas Plants ("MGP"s)" dated January 11, 2002. Based on the contents of the OWS and TLS being similar materials and the separate waste characterization results indicating the wastes could be categorized under the same waste profile, it was determined that the soil/sludge removed from the OWS and TLS would be combined and managed as one waste stream. Waste profiles were prepared and submitted to thermal treatment facilities and the waste stream was accepted for treatment/disposal at Covanta Niagara, L.P., Niagara Falls, New York.

The water samples from the TLS and OWS did not exhibit hazardous characteristics, with the exception of exhibiting the toxicity characteristic for benzene. Based on the separate waste characterization results, it was determined that the water removed from the OWS and TLS would be combined and managed as one waste stream. Due to the exceedance of the TCLP for benzene, the waste stream was considered a characteristic hazardous waste and given the waste code D018 (benzene). A waste profile was prepared and the waste stream was subsequently accepted for treatment/disposal at a permitted hazardous waste facility, United Oil Recovery, Meriden, CT (EPA ID No. CTD021816869).

2.4 Purifier Waste Removal Activities

2.4.1 Site Activities

Removal of Contents

Excavation of purifier waste deposits along the bank of the Hudson River began on April 8, 2008 and was completed on April 10, 2008. The extent of the excavation was based on the limits identified on Figure 2-1 of the PW Work Plan and field observations in consultation with NYSDEC's field representative. Purifier waste was identified on the basis of color, characteristic odor, and physical characteristics, such as the presence of wood chips.

Soil and purifier waste were removed to a depth of approximately 5 feet bgs in the approximate area identified on Figure 2-1 of the PW Work Plan. The excavation extended to the west down the riverbank to remove surficial soil to a depth of approximately 1 to 2 feet bgs. The extent of the excavation was determined in consultation with NYSDEC's field representative and was above the mean high water line of the Hudson River. Based on observations of the excavation sidewalls, the remedial action removed clearly identifiable purifier waste within the upper approximately 5 feet, which, as discussed in the PW Work Plan, accomplishes the ROD remedial goals for this area. Following removal of the upper approximately 5 feet of material, field observations of the bottom of the excavation indicated that over the majority of the area no observable purifier waste was present. Where purifier waste was observed at the bottom of the excavation, it was present in trace amounts and mixed with soil, which in accordance with the PW Work Plan was not the target of removal activities.

In addition, small deposits of purifier waste, which were sporadically present on the riverbank, were removed and managed with the material removed from the excavation.

The limits of the excavation in the purifier waste deposit area and the final elevations are depicted on the record survey included in Appendix E. Based on field measurements, approximately 400 cubic yards of soil/purifier waste was removed from the area.

DACE applied foaming agent as needed and at the end of the day as odor control and dust control measure.

The excavated material was loaded directly into dump trailers to the extent practicable. At times, some waste material was temporarily staged on polyethylene sheeting for a short duration until a dump trailer became available. During loading operations polyethylene sheeting was placed and secured across the ground surface to contain any spillage.

Photographs of the excavation are shown as Photographs #2 through #5 in Appendix B.

2.4.2 Transportation and Disposal

Material excavated from the purifier waste deposit area was transported to Seneca Meadows, Inc. Landfill, Waterloo, NY.

The material was transported by Mangiardi Brothers Trucking Inc., 1960 Pittsfield Road, Castleton, NY (NYSDEC Permit No. 4A-209) and Cason, Inc., 5708 Depot Road, Voorheesville, NY (NYSDEC Permit No. 4A-267).

A total of 582.76 tons of purifier waste was removed for off-site disposal.

The waste disposal manifests and disposal weight tickets are included as part of Appendix F.

2.4.3 Backfill

DACE backfilled the excavation area on April 11, 2008. An approximate 1'-2' layer of soil (med-fine grained sand with minor amount of silt) was placed at the bottom of the excavation and overlain with crushed stone (NYDOT 703-02, Size 3A) backfill to re-establish grades and match existing surrounding grades. Fill Material was placed in 12" lifts and compacted. Photographs of the backfill activities are shown as Photographs #6 and #7 in Appendix B

Each fill material was confirmed to consist of either virgin stone material from a permitted mine or quarry or in compliance with the requirements of Part 375-6.7(d)(1)(ii)(b). The analytical data supplied by the borrow source for the soil backfill material is included in Appendix G.

Soil backfill material was supplied Palette Stone Corporation, Saratoga Springs, NY. Crushed stone material was supplied by Callanan Industries, Albany, NY.

2.4.4 Work Plan Modifications

During remedial action implementation, one modification to the NYSDEC-approved Work Plan was requested by NYSDEC and agreed upon by National Grid. A 1'-2' layer of soil was placed in the purifier waste excavation area to further minimize potential odors from the excavation area followed by crushed stone backfill per Section 2.3.3 of the PW Work Plan.

2.5 TLS Removal Activities

2.5.1 Site Activities

Removal of Contents

As discussed previously, removal of cover soil over the TLS was conducted prior to waste characterization sampling (Appendix B, Photograph #16). The cover soil material materials were stockpiled on and covered with polyethylene sheeting for T&D during remedial activities.

Removal of the contents of the TLS began on April 21, 2008 and was completed on May 1, 2008. Prior to removal of the material, the stockpiled cover soil materials and various conditioning agents (quicklime, lime kiln dust, sand) were added to the waste material and mixed in situ to stabilize the material (i.e., reduce water content) and improve handling. After the waste was stabilized the material was removed and loaded directly into dump trailers to the extent practicable. At times, some waste material was temporarily staged on a properly constructed staging pad (i.e., polyethylene sheeting and run-on/run-off controls) for a short duration (less than one day) until a dump trailer became available. Each dump trailer was lined with polyethylene sheeting. During loading operations polyethylene sheeting was placed over the ground surface to contain any spillage.

DACE applied foaming agent as needed and at the end of the day as odor control and dust control measures. Photographs of the removal activities are shown as Photographs #17 through #20 in Appendix B.

Upon completion of the removal of the bulk material, residual materials were scraped from the walls and floor using a backhoe. A flat blade was welded to the hoe bucket to act as a scraper. Areas that were not accessible by the backhoe were manually scraped. Confined space entry procedures were adhered to for personnel entry into the TLS.

One pipe penetration was found in the structure wall approximately 4'-5' above the concrete floor on the west wall and east wall and two pipe penetrations at the north wall. No discharge was observed at the pipes. Pipe penetrations were plugged with flowable fill during backfill.

Two penetrations were identified in the concrete bottom of the structure. One approximate 2-foot by 2-foot square penetration was discovered in the northeast corner of the concrete bottom of the TLS. A second penetration (6 to 8-inch diameter circle) was observed on the concrete bottom of the TLS in the southern-most chamber.

The square penetration was flush with the bottom of the TLS and was observed to contain coal tar impacted materials. The coal tar material was observed to have a thick, viscous (taffy-like) consistency. The square penetration was inaccessible by the excavator equipment, therefore, using proper confined space entry procedures, impacted materials were manually removed (i.e., by shovel) to a depth of approximately 1.5 to 2 feet below the bottom of the TLS. The small size of the penetration and thick consistency of the NAPL limited the accessibility of the material.

The 6 to 8-inch diameter circular penetration was flush with the bottom of the TLS and was observed to connect a 6 to 8-inch pipe at the bottom of the TLS. The pipe was observed to contain coal tar impacted materials. The material was observed to be a viscous coal tar material. The material was manually removed (i.e., by shovel and by hand) to a depth of approximately 1.5 to 2 feet below the bottom of the TLS. The small size of the penetration limited the accessibility of the material.

Following removal of the contents of the TLS, including contents within the above-mentioned penetrations, it was determined, in consultation with NYSDEC's on-site representative that material had been removed from the structure to the extent practicable. The visual inspection was

conducted on May 1, 2008. The TLS after materials removal is shown in Photograph # 21a through 21e.

Post-removal inspection of the structure indicated that the concrete walls of the structure were generally intact and competent with the exception of one minor crack, approximately ¹/₄-inch wide and 2 inches long, observed on the east wall on the southern end of the structure approximately 1 foot above the concrete floor. Some water seeped through this crack. Since the location of the crack was above the groundwater table it is assumed that a leak in the adjacent waterline saturated the soil and seeped into the TLS. The city of Troy repaired the waterline subsequently. The concrete bottom of the structure was intact with the exception of two penetrations (one approximate 2-foot by 2-foot square and one approximate 6 to 8-inch circular penetration). As discussed above, materials were removed to the extent practicable from the penetrations were not encountered, the integrity of the bottom of the penetrations could not be assessed and, therefore, consistent with NYSDEC's November 4, 2008 letter, the post-removal inspection is inconclusive with respect to whether constituents could have been released from the TLS structure in the past.

The perimeter of the remaining TLS structure and final elevations are depicted on the record survey included as Appendix E.

2.5.2 Transportation and Disposal

Materials generated during TLS removal activities were segregated into three categories

- (1) Coal tar soil/sludge
- (2) Concrete debris and metal pipes
- (3) Liquids

A summary of the types, tonnages, and disposal facilities for each category is presented in Section 2.7 – Waste Volume. The materials were managed as follows:

Coal Tar Sludge/Soil

Stabilized coal tar sludge/soil removed from the TLS mixed with some debris (e.g., wood, concrete, pipe, polyethylene sheeting, hay bales) was transported to Covanta Niagara, L.P., Niagara Falls, NY (Covanta) for thermal treatment.

The material was transported by Mangiardi Brothers Trucking Inc., 1960 Pittsfield Road, Castleton, NY (NYS DEC Permit No. 4A-209).

Approximately 13 tons of concrete debris from both the TLS and OWS were rejected by Covanta, based on exceeding size limitations, and subsequently shipped under separate manifest to Seneca Meadows, Inc. Landfill, Waterloo, NY for disposal. Approximately one ton of concrete and pipe debris was rejected by Covanta, returned to the Site under separate manifest, and managed with additional concrete, as described below.

The waste disposal manifests and disposal weight tickets are included as part of Appendix F.

Concrete Debris and Metal Pipes

Initial loads of concrete debris mixed in soil/sludge were accepted by Covanta. However, as discussed above, Covanta rejected some concrete on the basis of exceeding size limitations, despite the material being of similar size to debris in the initial loads. Considering the limited amount of concrete debris present in the structure contents, an alternative method of managing remaining debris was proposed by National Grid and approved by the NYSDEC on-site representative. Concrete debris and metal pipes removed from the TLS were cleaned, pipes were plugged with flowable fill, and placed back into the TLS during backfilling with flowable fill so as to encapsulate the debris within the flowable fill.

Concrete debris and metal pipes removed from the TLS were staged on polyethylene sheeting for cleaning. Concrete returned from Covanta (as discussed above) did not require additional cleaning. Sludge/coal tar adhered to the debris was manually removed and contents of the pipes were allowed to gravity drain, to the extent practicable. Sludge/coal tar collected during debris cleaning was managed with the coal tar sludge/soil removed from the structure. Pipes were filled with flowable fill. The debris was then placed in the TLS during backfilling.

<u>Liquids</u>

During contents removal activities, pumpable liquids (i.e., water with some NAPL) were periodically pumped from the TLS and staged on-site in a 21,000 -gallon steel fractionation tank (Appendix B, Photograph #9). Liquids generated during decontamination activities were also pumped into the tank. The liquid contents/ water of the tank were transferred to tanker trucks by a vacuum pump and transported as hazardous waste (Waste Code D018) for treatment/disposal at United Oil Recovery, Meriden, CT. The waste disposal manifests for liquids and disposal tickets are included as part of Appendix F.

2.5.3 Backfill

Following removal of the contents of the TLS and post-removal inspection the TLS was backfilled with flowable fill (approximately 147 cy) to the elevation of the existing surrounding grade (Appendix B, Photographs #22 and #23).

Backfill material was supplied by Clemente Latham, Troy, NY.

2.5.4 Work Plan Modifications

The following activities represent modifications to the NYSDEC-approved Work Plan and were approved by NYSDEC in advance:

• Management of Concrete Debris and steel pipes: Approximately 5 tons cleaned concrete debris and steel pipes were backfilled into the TLS and encapsulated with flowable fill.



2.6 OWS Removal Activities

2.6.1 Site Activities

Removal of Contents

A backhoe was used to remove miscellaneous debris (e.g. tires, plastic, metal rims) present in the OWS (Appendix B, Photograph #10). The removed debris was temporarily staged in a roll off container and then loaded into drums for off-site disposal.

Contents removal of the OWS began on April 21 and was completed on May 5, 2008. The volume of material removed and dimensions of the OWS are summarized in Section 2.7. Prior to removal of the material, various conditioning agents (quicklime, lime kiln dust, sand) were added to the waste material and mixed in situ to stabilize the material (i.e., reduce water content) and improve handling. After the waste was stabilized the material was removed and loaded directly into dump trailers to the extent practicable. At times, some waste material was temporarily staged on polyethylene sheeting for a short duration until a dump trailer became available. Each dump trailer was lined with polyethylene sheeting. During loading operations polyethylene sheeting was placed over the ground surface to contain any spillage.

DACE applied foaming agent as needed and at the end of the day as odor control and dust control measures. Photographs of the activities are shown as Photographs #11 through #14 in Appendix B

Upon completion of the removal of the bulk material, residual materials were scraped from the walls and floor using a backhoe. A flat blade was welded to the hoe bucket to act as a scraper. Areas that were not accessible by the backhoe were manually scraped. Confined space entry procedures were adhered to for personnel entry into the OWS.

Pipe penetrations below grade in the northern inlet chamber were plugged with flowable fill during backfilling. As discussed in Section 2.6.3, the OWS was backfilled with flowable fill to an elevation that approximately corresponds with surrounding grade. One pipe on the southern wall located above grade elevation and one above-grade pipe penetration on the western wall were plugged with a cement/grout mixture. No discharge was observed at the pipes.

Following contents removal activities it was determined, in consultation with NYSDEC's on-site representative that material had been removed from the OWS to the extent practicable. The visual inspection was conducted on May 2, 2008 for the main chambers and May 5, 2008 for the northern most inlet chamber.

Post-removal inspection of the structure revealed that the structure of the OWS appeared to be generally intact and competent. No visible cracks were observed.

The perimeter of the remaining OWS structure and final elevations are depicted on the record survey included as Appendix E.

2.6.2 Transportation and Disposal

Materials generated during OWS removal activities were segregated into three categories:

- (1) Coal tar soil/sludge
- (2) Concrete debris and metal pipes
- (3) Liquids
- (4) Miscellaneous Debris

A summary of the types, tonnages, and disposal facilities for each category is presented in Section 2.7 – Waste Volume. The materials were managed as follows:

Coal Tar Sludge/ Soil

Stabilized coal tar sludge/soil removed from the OWS mixed with some debris (e.g., wood, concrete polyethylene sheeting, hay bales) was transported to Covanta Niagara, L.P., Niagara Falls, NY for thermal treatment.

The material was transported by Mangiardi Brothers Trucking Inc., 1960 Pittsfield Road, Castleton, NY. (NYSDEC Permit No. 4A-209).

As discussed in Section 2.5.2, approximately 13 tons of concrete debris from both the TLS and OWS were rejected by Covanta, based on exceeding size limitations, and subsequently shipped under separate manifest to Seneca Meadows, Inc. Landfill, Waterloo, NY for disposal. Approximately one ton of concrete and pipe debris was rejected by Covanta, returned to the Site under separate manifest, and managed with additional concrete, as described below.

The waste disposal manifests and disposal weight tickets are included as part of Appendix F.

Concrete Debris and Metal Pipes

Initial loads of concrete debris mixed in soil/sludge were accepted by Covanta. However, as discussed above, Covanta rejected some concrete on the basis of exceeding size limitations, despite the material being of similar size to debris in the initial loads. Considering the limited amount of concrete debris present in the structure contents, an alternative method of managing remaining debris was proposed by National Grid and approved by the NYSDEC on-site representative. Concrete debris and metal pipes removed from the OWS were cleaned, pipes were plugged with flowable fill, and placed back into the OWS during backfilling with flowable fill so as to encapsulate the debris within the flowable fill.

Concrete debris and metal pipes removed from the OWS were staged on polyethylene sheeting for cleaning. Concrete returned from Covanta (as discussed above) did not require additional cleaning. Sludge/coal tar adhered to the debris was manually removed and contents of the pipes were allowed to gravity drain, to the extent practicable. Sludge/coal tar collected during debris cleaning was

managed with the coal tar sludge/soil removed from the structure. Pipes were filled with flowable fill. The debris was then placed in the OWS during backfilling.

<u>Liquids</u>

Liquids (i.e., water with some NAPL) were pumped from the OWS and staged on-site in a 21,000 - gallon steel fractionation tank (Appendix B, Photograph #9). Liquids generated during decontamination activities were also pumped into the tank. The liquid contents/ water of the tank were transferred to tanker trucks by a vacuum pump and transported as hazardous water (Waste Code D018) for treatment/disposal at United Oil Recovery, Meriden, CT. The waste disposal manifests for liquids and disposal tickets are included as part of Appendix F.

Miscellaneous Debris

Miscellaneous debris (i.e., tires, large plastic materials) removed from the OWS was temporarily staged in a roll off container and subsequently loaded into three drums for off-site disposal.

2.6.3 Backfill

Following removal of contents from the OWS and post-removal inspection, the OWS was backfilled with flowable fill (approximately 80 cy) to the approximate elevation of the existing surrounding grade (Appendix B, Photograph #15)

Backfill material was supplied by Clemente Latham, Troy, NY.

2.6.4 Work Plan Modifications

The following activities represent modifications to the NYSDEC-approved Work Plan and were approved by NYSDEC in advance:

• Management of Concrete Debris and steel pipes: Approximately 2 tons cleaned concrete debris and steel pipes were backfilled into the OWS and encapsulated with flowable fill.

2.7 Summary of Waste Materials

This section presents a summary of the waste streams and quantities for the waste materials generated during remedial activities.

Location	Dimensions** (ft)	Waste Volume	Waste Mass	Contents	Disposal Facility
Purifier Waste Deposit Area	Refer to Record Survey in Appendix E.	Approx. 400 cy**	582.76 tons	purifier waste and soil (non-hazardous)	Seneca Meadows, Inc. Landfill, Waterloo, NY



Location	Dimensions**	Waste Volume	Waste Mass	Contents	Disposal Facility
TLS/OWS* 40 x 12 x 8.5 (TLS) 35 x 10 x 10 (OWS) 35 x 10 x 10		Approx. 165 cy**	401.47 tons	coal tar impacted soil/sludge and debris (non- hazardous)	Covanta Niagara, L.P., Niagara Falls, NY
		14,687 gallons	-	Liquids – water/NAPL (hazardous)	United Oil Recovery, Meriden, CT
		-	Approx. 13 tons	Concrete debris	Seneca Meadows, Inc. Landfill, Waterloo, NY
		-	Approx. 8 tons	Concrete debris and Metal Pipe	Managed On- site
		3 55-gallon drums	-	Miscellaneous debris (i.e., tires and large plastic debris) from OWS	Clean Harbors of Braintree, Inc., Braintree, MA

*Sand and Lime added as conditioner. Not included in waste volume. Based on waste characterization results, waste streams from the OWS and TLS were combined during remedial activities (refer to Section 2.3).

** based on field measurements and record survey.

2.8 Implementation of Health and Safety Measures

DACE prepared a site-specific health and safety plan (HASP) consistent with the HASP prepared by BC ("Health and Safety Plan; Supplemental Investigation and Interim Remedial Measures; Troy (Water Street) Site – Area 2; Rensselaer County, New York; prepared by BC, January 2007) and submitted to NYSDEC. DACE performed remedial activities in accordance with the HASP, including use of proper PPE and conducting work zone and community air monitoring (discussed in Section 2.9). A Health and Safety meeting was held daily by DACE's foreman to discuss potential hazards for the planned work and health and safety measures to address them.

The OWS structure directly abuts the Water Gas Building and due to the deteriorated condition of the Water Gas Building, there was a potential safety hazard associated with falling bricks and other debris. At the OWS, a two tower scaffolding system with debris net spanning the two towers was installed to protect workers from potential falling bricks/debris during remedial activities (Appendix B, Photograph #8).

Work zone air monitoring was conducted during remedial action activities to monitor concentrations of airborne constituent during intrusive site activities and establish proper level of

respiratory protection. Site preparation and site restoration activities (i.e., backfilling) were conducted in Level D PPE. In general, activities with a higher potential for generating dust or vapors (e.g., purifier waste excavation, TLS and OWS contents removal, waste stabilization, and waste loadout) were performed in Level C PPE. Work zone air monitoring was conducted to confirm that Level C respiratory protection was suitable based on constituent concentrations.

2.9 Implementation of Community Air Monitoring Plan (CAMP)

Community air monitoring was performed during remedial action implementation in accordance with the NYSDOH Generic Community Air Monitoring Plan (CAMP). During all ground intrusive activities, which spanned from April 7 to May 5, 2008, continuous monitoring was conducted to meet the requirements of the CAMP. The levels of dust and VOCs in the air were monitored adjacent to the active work area at the upwind and downwind perimeter of the exclusion zone. To proactively manage VOC and dust emissions, the contractor periodically implemented vapor/dust/odor suppressing foam during waste removal activities and at the end of each day. The dust, vapor, and odor suppression measures were successful in controlling the migration of airborne constituents outside of the work zone. Dust and VOC monitoring results from the community air monitoring are included in Appendix H.

Dust monitoring indicated several exceedances of the lower action level (0.1 mg/m³). In response to the exceedances and to control visible dust and odor within the work area, the contractor implemented vapor/dust/odor suppressing foam. Dust concentrations were maintained below the upper action level (0.15 mg/m³), with the exception of two isolated exceedances. The isolated exceedances occurred on April 28, 2008 and during both instances there were no active removal or loading activities being conducted and the elevated levels are presumed to be associated with a background condition. Visible dust associated with vehicular traffic on the unpaved access roads was frequently observed during the remedial action activities.

VOC results show no exceedances of the specified limits (5.0 ppm).

2.10 Decontamination

Decontamination of personnel and equipment was conducted in accordance with the BC HASP (BC, January 2007). DACE constructed decontamination pads, as discussed in Section 2.2, within the exclusion areas to decontaminate equipment and personnel prior to leaving the exclusion zone. Heavy equipment (i.e. backhoe bucket) was decontaminated using a flat scraper and steel brush. After the larger contaminated material had been removed, the remaining material was removed using a high pressure hot water wash (refer to Photograph # 24 in Appendix B). BC personnel inspected decontaminated heavy equipment to verify the equipment was visually clean.

All hoses used for transferring liquids from the OWS and TLS to the fractionation tank were flushed at the end of the removal activities. The inside of the 21,000 -gallon steel fractionation tank was steam cleaned before the tank was demobilized from the site. Washwater/ rinsate from the decontamination operations were transferred to the 21,000 -gallon steel fractionation tank. Decontamination washwater/rinsate was collected by United Oil Recovery for transportation and disposal along with the liquids removed from the OWS and TLS (refer to Sections 2.5.2 and 2.6.2).



2.11 Remedial Action Implementation Schedule

A summary of the start, finish and waste transport/disposal dates for the various tasks is included in the following table.

			Duration/ On site Activities	Waste	e Transport &	Disposal
Task Name	Start	Finish	(days)	Date	Quantity	Facility
Purifier Waste Deposit Test Pit Activities and Waste Characterization Sampling	08/02/07	08/02/07	1			
Waste Characterization Sampling from TLS and OWS	02/11/08	02/12/08	2			
Utility Clearance	02/19/08		1			
Mobilization	04/07/08		1			
PW Removal Activities	04/08/08	04/11/08	4			Seneca
Deposits	04/08/08	04/10/08	3	04/08/08	196.31 tons	Meadows
Backfill and Restore PW Area	04/11/08		1	04/09/08	206.83 tons	Seneca Meadows Seneca
Survey PW Area	04/11/08		1	04/10/08	179.62 tons	Meadows
TLS/OWS Removal Activities	04/21/08	05/05/08	12			
waste loading	04/21/08	05/05/08	5	04/21/08	57.17 tons	Covanta
Backfill TLS	05/02/08		1	04/28/08	162.16 tons	Covanta
Backfill OWS	05/05/08		1	04/29/08	102.54 tons	Covanta
Survey TLS/OWS	05/01/08		1	05/01/08	58.74 tons	Covanta
				05/05/08 04/23/08	20.86 tons 4983 Gal	Covanta United Oil Recovery
				04/30/08	5000 Gal	United Oil Recovery United Oil
				05/07/08	4704 Gal	Recovery
Demobilization	05/06/08	05/08/08	3			

3. CONCLUSIONS

Removal of purifier waste deposits and contents of the TLS and OWS were completed in accordance with the corresponding work plans, with the exception of the modifications discussed herein.

Removal of purifier waste deposits and removal of contents of the TLS and OWS were identified as components of the comprehensive site remedy selected in the Record of Decision (ROD) for the Site (Site Number 4-42-029), dated July 2003. Following completion of this work, the remedial action component to address the purifier waste deposits is considered to be complete in accordance with the ROD.

As discussed in the work plans and Section 1.3, the scope of the remedial activities for the TLS and OWS structures was limited to removal of the structure contents and potential additional measures to address these structures would be determined based on the results of the post-removal inspections and the components of the final selected remedy to address the general areas where the structures are located.

The post-removal inspection of the OWS, which was performed in consultation with NYSDEC's on-site representative, revealed no visible cracks and the structure is considered generally intact and competent. As such, in accordance with the ROD, remedial action at the OWS is considered complete.

The post-removal inspection of the TLS, which was performed in consultation with NYSDEC's onsite representative, indicated that the concrete walls of the structure were generally intact and competent with the exception of one minor crack observed on the east wall on the southern end of the structure approximately 1 foot above the concrete floor. The concrete bottom of the structure was intact with the exception of two penetrations in the floor (one approximate 2-foot by 2-foot square and one approximate 6 to 8-inch diameter circular penetration). The two penetrations in the concrete bottom of the TLS were observed to contain viscous coal tar. Materials were removed from the penetrations to a depth of 1.5 to 2 feet and material below this point was considered inaccessible. The small size of the penetrations and thick consistency of the NAPL limited the accessibility of the material below this point. Since the bottoms of the penetrations were not encountered, the integrity of the bottom of the penetrations could not be assessed and, therefore, consistent with NYSDEC's November 4, 2008 letter, the post-removal inspection is inconclusive with respect to whether constituents could have been released from the TLS structure in the past.

National Grid understands that a determination regarding whether or not removal of the TLS structure itself is necessary will be made in conjunction with forthcoming decisions regarding modifying the remedy selected in the July 2003 ROD. National Grid further understands that NYSDEC is reviewing National Grid's January 2009 Draft Proposal to Modify the Site Remedy (PMSR). As documented in correspondence between National Grid and NYSDEC (Letter from National Grid to NYSDEC dated October 21, 2008 and Letter from NYSDEC to National Grid dated October 30, 2008), the PMSR presents a detailed analysis of a range remedial action

alternatives to support modification of the remedy selected in the ROD. Remedial action alternatives evaluated in the detailed analysis include remedial components that address the portions of the Site occupied by the OWS and TLS structures (e.g., soil excavation, in situ solidification/stabilization, site cover, institutional controls). As part of the detailed analysis, potential removal of the TLS structure itself was evaluated in the context of each of the remedial alternatives.

FIGURES



P:/GIS/National_Grid/Troy/Troy_Site_Location.mxd


APPENDIX A

Test Pit TP-222 Log and Location Sketch

BROWN AND CALDWELL

APPENDIX A

Test Pit TP-222 Log and Location Sketch

BROWN AND CALDWELL



P:/GIS/National_Grid/Troy/Troy_Prop_Surficial_Soils_N-Wynantskill.mxd

BROWN AND CALDWELL

TEST PIT LOG

SITE LOCATION	Troy, New York	TEST PIT NUMBER	TP-222
PROJECT NUMBER	132071.104	BC	J. Marolda
		REPRESENTATIVE	B. O'Neill
GENERAL	South of former 2MM CF	CONTRACTOR	Parratt Wolff
LOCATION	gas holder.		
DATE	08/02/07	OTHERS	David Herman, J.
			Spellman
			(NYSDEC)
TIME OPENED	13:45	TIME CLOSED	15:00
DEPTH TO WATER	Not encountered	EQUIPMENT	Backhoe excavator
(ft. BGS)			
DEPTH TO NATIVE	Not encountered	TOTAL LENGTH (ft.)	75
SOILS (ft. BGS)			
TOTAL DEPTH (ft.	3	NAPL OBSERVED	No
BGS)			
ANALYTICAL	None	REMARKS	No indications of
SAMPLES			purifier waste or
			other MGP-related
			wastes were
			encountered



<u>Orientation:</u> Top of photo is east.

View of entire extent of excavation.

Spoils pile: composed primarily of top soils and fill, which locally contained various construction debris (e.g., pavement fragments, bricks, chain link fencing, etc.)

TEST PIT LOG

SITE LOCATION

BROWNAND

CALDWELL

Troy, New York

TEST PIT NUMBER

BER TP-222



Orientation: Top of photo is east.

View of eastern wall of excavation.

<u>Orientation:</u> Top of photo is west.

Western view of excavated soils.

TEST PIT LOG

SITE LOCATION

BROWNAND

CALDWELL

Troy, New York

TEST PIT NUMBER

E**R** TP-222



Orientation: Top of photo is north.

View of northern wall of excavation.



<u>Orientation:</u> Top of photo is east.

Eastern view of excavation.

APPENDIX B

Photographic Log

BROWN AND CALDWELL



Photograph #1 Description: Purifier Waste - silt fence and hay bales along Hudson River bank



Description: Excavation of Purifier Waste Deposits



Photograph #3 Description: Excavation of Purifier Waste Deposits





Photograph #6 Description: Backfilling of Purifier Waste Area with soil





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Photograph #9 Description: 21,000 Gal, totally enclosed fractionation tank



Photograph #10 Description: Waste material/ debris present in the OWS



Photograph #11 Description: OWS – stabilization of coal tar sludge with lime





Photograph #13 Description: OWS – loading excavated materials directly into dump trailer





Photograph #15 Description: Backfilling of OWS with flowable fill to the existing surrounding grade





Photograph #17 Description: TLS contents – Photograph taken facing north



Description: Mixing TLS materials with sand, apply foam as dust and odor control measure



Photograph #19 Description: Removal of stabilized TLS materials





Photograph #21a Description: TLS after materials removal – Photograph taken facing north













Photograph #24 Description: Decontamination of Heavy Equipment

APPENDIX C

Email Correspondence: Results of Investigation of Potential Purifier Waste Deposit South of 2 MM – CF Gasholder



-----Original Message-----From: John Spellman [mailto:jtspellm@gw.dec.state.ny.us] Sent: Thursday, August 23, 2007 2:10 PM To: Catherine M. Geraci Cc: ONeill, Bob Subject: Re: FW: Troy IRM-Purifier Waste Deposits

Hi Cathy,

Purifier waste between the former 2 million cubic foot gas holder and the Wynants Kill (the "area") was not visually observed recently, based on the information you present and this Department's test pit observations. Therefore, the Department accepts National Grid's proposal to delete the planned purifier waste removal at this area from the June 2007 subject work plan.

John Spellman (518) 402-9648

>>> "Geraci, Catherine M." <Catherine.Geraci@us.ngrid.com> 8/9/2007
10:38 AM >>>
Hi John:

As discussed, this email documents the findings of the test pitting activities conducted in the area of the south of the former 2MM CF gas holder where purifier waste deposits were noted to be present in the ROD. These activities were conducted as outlined in the June 2007 IRM Work Plan for Purifier Waste Deposits and NG's 7/30/07 email to DEC.

As detailed in Brown & Caldwell's email below and the associated attachments, purifier waste was not identified in the area south of the former 2 MM CF gas holder. Accordingly, the Purifier Waste Deposits IRM, as outlined in the June 2007 IRM Work Plan, will not include removal activities in the area south of the former 2 MM CF gas holder and will be limited to removal of purifier waste located on the Hudson River Bank.

If you have any questions or require additional information, please do not hesitate to contact me. Thank you.

M. Cathy Geraci Lead Senior Environmental Engineer nationalgrid 300 Erie Blvd. West, C-1 Syracuse, New York 13202 Phone: 315.428.6529 Fax: 315.460.8586 From: ONeill, Bob [mailto:BOneill@Brwncald.com] Sent: Tuesday, August 07, 2007 2:29 PM To: Geraci, Catherine M. Cc: Sherman, Adam; Marolda, Jim; Williams, Frank; Caputi, Jeff Subject: Troy IRM-Purifier Waste Deposits

Hello Cathy,

On 8/2/07, test pit TP-222 was excavated south of the pad for the former 2 million cubic ft. (MM CF) holder as part of the field investigation for the IRM to address purifier waste deposits. As described in the June 2007 IRM Work Plan, the test pitting was conducted to evaluate if purifier waste deposits previously observed in this area are still present.

Jim Marolda and I directed the test pit activities. Parratt-Wolff provided the excavator and operator. Mr. Dave Herman of the NYSDEC was present during the test pit activities. Mr. John Spellman of the NYSDEC arrived after the test pit had been excavated and Parratt-Wolff had begun backfilling.

In general, the configuration and location of the test pit was similar to that depicted in the figure forwarded to NYSDEC in a 7/30/07 email, with some minor adjustments due to field conditions (e.g., for safe positioning of the excavator near overhead lines, the gas distribution line, and the bank of the Wynantskill; the location/extent of the rip-rap covered bank leading down to the sewer that discharges to the Wynantskill near the eastern end of the test pit area; etc.).

The approximate position and configuration of the test pit is marked on the attached figure (a mark-up of the figure forwarded to NYSDEC on 7/30/07). The test pit was excavated in 3 segments: segment TP-222a, oriented approximately north-south near the eastern side of the area of investigation; segment TP-222b, oriented east-west, roughly parallel to the bank of the Wynantskill; and segment TP-222c, oriented north-south across the western end of segment TP-222b.

Prior to moving the excavator into the area, holes were hand-dug to a depth of approximately 3 * ft. at the northern ends of TP-222a and TP-222c, at a point 10 ft. south of the field mark-out for the gas distribution line, to confirm that the planned excavation activities would be clear of the gas line. The test pit was then dug with an excavator starting with TP-222a, then moving westward from TP-222a along

TP-222b, and finally ending with TP-222c. The test pit was excavated to at least 3 ft. below grade; in some areas the excavation was slightly deeper than 3 ft.

No indications of purifier waste or other MGP-related waste were encountered in the test pit. The material encountered included top soil and fill, which locally contained various construction debris (e.g., pavement fragments, bricks, chain link fencing, etc.). A photographic log of the test pit is attached. Test pit logs will be prepared with additional detail.

The test pit excavation was backfilled and marked for surveying.

Please let me know if you have any questions.

Thanks,

Bob

Bob O'Neill, C.P.G., P.G.

Supervising Geologist

Brown and Caldwell

110 Commerce Drive

Allendale, New Jersey 07401

Phone: (201) 574-4700

Fax: (201) 236-1607

Email: boneill@brwncald.com <mailto:boneill@brwncald.com>

***** ****

This e-mail and any files transmitted with it, are confidential to National Grid and are intended solely for the use of the individual or entity to whom they are addressed. If you have received this e-mail in error, please reply to this message and let the sender know. From: Geraci, Catherine M. [mailto:Catherine.Geraci@us.ngrid.com]
Sent: Thursday, August 09, 2007 10:38 AM
To: John Spellman
Cc: ONeill, Bob
Subject: FW: Troy IRM-Purifier Waste Deposits

Hi John:

As discussed, this email documents the findings of the test pitting activities conducted in the area of the south of the former 2MM CF gas holder where purifier waste deposits were noted to be present in the ROD. These activities were conducted as outlined in the June 2007 IRM Work Plan for Purifier Waste Deposits and NG's 7/30/07 email to DEC.

As detailed in Brown & Caldwell's email below and the associated attachments, purifier waste was not identified in the area south of the former 2 MM CF gas holder. Accordingly, the Purifier Waste Deposits IRM, as outlined in the June 2007 IRM Work Plan, will not include removal activities in the area south of the former 2 MM CF gas holder and will be limited to removal of purifier waste located on the Hudson River Bank.

If you have any questions or require additional information, please do not hesitate to contact me. Thank you.

M. Cathy Geraci Lead Senior Environmental Engineer **nationalgrid** 300 Erie Blvd. West, C-1 Syracuse, New York 13202 Phone: 315.428.6529 Fax: 315.460.8586

From: ONeill, Bob [mailto:BOneill@Brwncald.com]
Sent: Tuesday, August 07, 2007 2:29 PM
To: Geraci, Catherine M.
Cc: Sherman, Adam; Marolda, Jim; Williams, Frank; Caputi, Jeff
Subject: Troy IRM-Purifier Waste Deposits

Hello Cathy,

On 8/2/07, test pit TP-222 was excavated south of the pad for the former 2 million cubic ft. (MM CF) holder as part of the field investigation for the IRM to address purifier waste deposits. As described in the June 2007 IRM Work Plan, the test pitting was conducted to evaluate if purifier waste deposits previously observed in this area are still present.

Jim Marolda and I directed the test pit activities. Parratt-Wolff provided the excavator and operator. Mr. Dave Herman of the NYSDEC was present during the test pit activities. Mr. John Spellman of the NYSDEC arrived after the test pit had been excavated and Parratt-Wolff had begun backfilling.

In general, the configuration and location of the test pit was similar to that depicted in the figure forwarded to NYSDEC in a 7/30/07 email, with some minor adjustments due to field conditions (e.g., for safe positioning of the excavator near overhead lines, the gas distribution line, and the bank of the Wynantskill; the location/extent of the rip-rap covered bank leading down to the sewer that discharges to the Wynantskill near the eastern end of the test pit area; etc.).

The approximate position and configuration of the test pit is marked on the attached figure (a mark-up of the figure forwarded to NYSDEC on 7/30/07). The test pit was excavated in 3 segments: segment TP-222a, oriented approximately north-south near the eastern side of the area of investigation; segment TP-222b, oriented east-west, roughly parallel to the bank of the Wynantskill; and segment TP-222c, oriented north-south across the western end of segment TP-222b.

Prior to moving the excavator into the area, holes were hand-dug to a depth of approximately 3 ½ ft. at the northern ends of TP-222a and TP-222c, at a point 10 ft. south of the field mark-out for the gas distribution line, to confirm that the planned excavation activities would be clear of the gas line. The test pit was then dug with an excavator starting with TP-222a, then moving westward from TP-222a along TP-222b, and finally ending with TP-222c. The test pit was excavated to at least 3 ft. below grade; in some areas the excavation was slightly deeper than 3 ft.

No indications of purifier waste or other MGP-related waste were encountered in the test pit. The material encountered included top soil and fill, which locally contained various construction debris (e.g., pavement fragments, bricks, chain link fencing, etc.). A photographic log of the test pit is attached. Test pit logs will be prepared with additional detail.

The test pit excavation was backfilled and marked for surveying.

Please let me know if you have any questions.

Thanks, Bob

Bob O'Neill, C.P.G., P.G. Supervising Geologist Brown and Caldwell 110 Commerce Drive Allendale, New Jersey 07401 Phone: (201) 574-4700 Fax: (201) 236-1607 Email: boneill@brwncald.com

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的影響的影響的影響的影響的影響的影響。 11/30/06 1'=.25' 0 2.5 25 Feet FORMER 2,000,000 ft GAS HOLDER maintain 10ft. separation between gas distribution line and test pits. Hand-dig north end of test pits before hand to depth of 3ft. (minimum) approximate alignment of gas distribution Ime as marked by APPROXIMATE AREA OF PURIFIER WASTE DEPI Premier Locating IN JULY 2003 ROD 2221 proposed Approx. Locatio Test pit TP-222 excavated and -----TP 8/2 1115 WYNANTSKILL alranment of gas distribution line as previously shown (obsolete) ZLO MARK-4





Troy (Water St.) Site – Area 2 Purifier Waste Deposits IRM Pre-Removal Activities – Test Pitting (TP-222) Photographic Log Sheet



Troy (Water St.) Site – Area 2 Purifier Waste Deposits IRM Pre-Removal Activities – Test Pitting (IP-222) Photographic Log Sheet





B R O W N A N D C A L D W E L L

Troy (Water St.) Site – Area 2 Purifier Waste Deposits IRM Pre-Removal Activities – Test Pitting (TP-222) Photographic Log Sheet



Troy (Water St.) Site – Area 2 Purifier Waste Deposits IRM Pre-Removal Activities – Test Pitting (TP-222) Photographic Log Sheet



Troy (Water St.) Site – Area 2 Purifier Waste Deposits IRM Pre-Removal Activities – Test Pitting (IP-222) Photographic Log Sheet



Photograph #16 – Eastern wall of TP-222c

Troy (Water St.) Site – Area 2 Purifier Waste Deposits IRM Pre-Removal Activities – Test Pitting (IP-222) Photographic Log Sheet



Photograph #17 - Facing east, view of entire extent of excavation area for TP-222

APPENDIX D

Waste Characterization Laboratory Reports

BROWN AND CALDWELL

Purifier Waste Deposit Waste Characterization

BROWN AND CALDWELL



REVISED

ANALYTICAL RESULTS

Prepared for:

Brown & Caldwell 110 Commerce Dr. Allendale NJ 07401

201-574-4700

Prepared by:

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1049877. Samples arrived at the laboratory on Friday, August 03, 2007.

Client Description

WCPWHR-1 Grab Soil Sample WCPWHR-1 Grab Soil Sample WCPWHR-1 Grab Soil Sample WCPWHR-2 Grab Soil Sample WCPWHR-2 Grab Soil Sample WCPWHR-2 Grab Soil Sample

Lancaster Labs Number 5119550 5119551 5119552 5119553 5119554 5119555

1 COPY TO Brown & Caldwell 1 COPY TO Brown & Caldwell

Attn: Frank Williams Attn: Jim Marolda

Questions? Contact your Client Services Representative Richard C Entz at (717) 656-2300

Respectfully Submitted,

Jemile Elders

Jenifer E. Hess Manager



Lancaster Laboratories Sample No. SW 5119550

Page 1 of 2 REVISED

WCPWHR-1 Grab Soil Sample Troy, NY

Collected:08/02/2007 15:45 by JM

Submitted: 08/03/2007 09:10 Reported: 08/23/2007 at 12:31 Discard: 11/22/2007

Brown & Caldwell 110 Commerce Dr. Allendale NJ 07401

Account Number: 09286

PWHR1

CAT				As Received		
No.	Analysis Name	ODD D D	As Received	Method		Dilution
	samiyoro Mame	CAS Number	Result	Detection	Units	Factor
00111	Moisture	n.a.	28.7	Limit 0 50	Q.	1
00542	"Moisture" represents the loss 103 - 105 degrees Celsius. The as-received basis.	in weight of t moisture resul	the sample after t reported above	oven drying at is on an	ð	1
00042	The complete did to the second	n.a.	See Below			1
	The sample did not spontaneously	y ignite when	exposed to air o	r water.		
	The sample did not ignite by fr:	iction.				
01101	closed cup apparatus.	e when exposed	l to a flame usin	g a		
UTIZI	Reactivity	n.a.	See Below		see	1
	Reactivity:				below	-
01122 01123	Chapter 7 - December 1996) ident more than 250 mg/kg of hydrogen This waste is not considered haz standard. These results do not July 14, 2005, EPA published a r the Interim Guidance and the met is no specific guidance or a met Sulfide (Reactivity) Cyanide (Reactivity)	sifice (SW-846 cyanide or 50 cardous due to reflect total rule in the Fe hod reference hod to be use n.a. n.a.	Sections 7.3.3 a ive material as a 0 mg/kg of hydrog reactivity based cyanide or total deral Register th d above. At this d to evaluate "Re N.D. N.D.	and 7.3.4 of generating gen sulfide. d on that L sulfide. On hat removed s time there eactivity". 53.6 98.8	mg/kg mg/kg	1
01216	PCBs in Solids					
01495	PCB-1016	12674-11-2	ND	330	(1	
01496	PCB-1221	11104-28-2	N.D.	520	ug/kg	100
01497	PCB-1232	11141-16-5	N D	320.	ug/kg	100
01498	PCB-1242	53469-21-9	N.D.	330.	ug/kg	100
01499	PCB-1248	12672-29-6	N.D.	330.	ug/kg	100
01500	PCB-1254	11097-69 1	N.D.	330.	ug/kg	100
01501	PCB-1260	11006 00 5	N.D.	330.	ug/kg	100
	Due to the nature of the sample .	11090-02-5	N.D.	330.	ug/kg	100
	the analysis. The reporting lim:	its were raise	, a dilution was d accordingly.	used for		

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.



Lancaster Laboratories Sample No. SW 5119550

Page 2 of 2 REVISED

WCPWHR-1 Grab Soil Sample Troy, NY

Collected:08/02/2007 15:45 by JM

Submitted: 08/03/2007 09:10 Reported: 08/23/2007 at 12:31 Discard: 11/22/2007

PWHR1

Account Number: 09286

Brown & Caldwell 110 Commerce Dr. Allendale NJ 07401

Laboratory Chronicle CAT Analysis Dilution No. Analysis Name Method Trial# Date and Time Analyst 00111 Factor Moisture SM20 2540 G 1 08/06/2007 14:38 Scott W Freisher 00111 Morsture Sm20 2540 G 1 08/06/2007 14:38 Scott w Freisher 00542 Ignitability 40 CFR 261.21 1 08/06/2007 21:35 Daniel S Smith 01121 Reactivity SW-846 Chapter 7.3 1 08/06/2007 08:55 Susan E Hibner 01123 Sulfide (Reactivity) SW-846 9034 1 08/06/2007 08:55 Susan E Hibner 01123 Cyanide (Reactivity) SW-846 9012A modified 1 08/07/2007 14:16 Michael J Kochan 01216 PCBs in Solids SW-846 8082 1 08/10/2007 12:04 Jamie L Brillhart 00819 Solid Sample Pesticide SW-846 3550B 1 08/06/2007 09:00 Ineabelle Poveda 1 1 1 1 1 100 1



Lancaster Laboratories Sample No. TL 5119551

WCPWHR-1 Grab Soil Sample TCLP NON-VOLATILE EXTRACTION Troy, NY

Collected:08/02/2007 15:45 by JM

Submitted: 08/03/2007 09:10 Reported: 08/23/2007 at 12:31 Discard: 11/22/2007

HR1NV

Account Number: 09286

Brown & Caldwell 110 Commerce Dr. Allendale NJ 07401

() A (1)				As Received		
CAT			As Received	Method		Dilution
NO.	Analysis Name	CAS Number	Result	Detection	Units	Factor
00259	Mercury	7439-97-6	ND	Limit		
07035	Arsenic	7440-38-2	N D	0.000056	mg/l	1
07036	Selenium	7782-49-2	N.D.	0.0100	mg/l	1
07046	Barium	7//0_39_3	N.D.	0.0094	mg/l	1
07049	Cadmium	7440-39-3	0.0320	0.00060	mg/l	1
07051	Chromium	7440-43-9	N.D.	0.00090	mg/l	1
07055	Lead	7440-47-3	0.0166	0.0023	mg/l	1
07066	Silver	7439-92-1	N.D.	0.0069	mg/1	1
0,000	STIVET	7440-22-4	N.D.	0.0016	mg/l	1
00950	TCLP Pesticides					
01972	Gamma BHC - Lindane	58-89-9	0 0051	0.00050		
01973	Heptachlor	76-44-8	0.0031	0.000050	mg/l	5
01974	Heptachlor Epoxide	1024-57 3	0.0024	0.000050	mg / 1	5
01975	Methoxychlor	70 42 5	0.00027	0.000050	mg/l	5
01976	Endrin	72-45-5	0.00099 J	0.00075	mg/l	5
01977	Chlordane	72-20-8	N.D.	0.00010	mg/l	5
01978	Toxaphana	5/~/4-9	N.D.	0.0018	mg/l	5
010/0	Due to the neture of the	8001-35-2	N.D.	0.0075	mg/l	5
	the applumin The sample	e extract matri	x, a dilution wa	s used for		
	The reporting 1	imits were rais	ed accordingly.			
	me surrogate data is outside	the QC limits d	ue to unresolvab	le matrix		
	problems evident in the sample	chromatogram.				
00952	TCI P. Horbigides					
00002	ICHF HEIDICIDES					
01979	2,4-D	94-75-7	ND	0 0020	(7	
01980	2,4,5-TP	93-72-1	N.D.	0.0020	mg/1	1
		<u> </u>	N.D.	0.00020	mg/l	1
00949	TCLP Semivolatiles					
		1				
03324	Pyridine	110 05 1	0.004			
03325	1,4~Dichlorobenzene	106 46 7	0.024	0.004	mg/l	1
03326	2-Methylphenol	100-46-7	N.D.	0.002	mg/l	1
03327	4-Methylphonol	95-48-7	0.015 J	0.002	mg/l	1
00027	A Mothylphenol	106-44-5	0.014 J	0.004	mg/l	1
	chromatographic conditions was	nol cannot be re	esolved under the	e		
	for 4-methylphenol represents	I for sample and	alysis. The resul	lt reported		
03328	Hexachloroethane	67-72-1	N.D.	ounds.	ma / 1	2
03329	Nitrobenzene	98-95-3	N D	0.002	ING/L	Ţ
03330	Hexachlorobutadiene	87-68-3	N D	0.002	mg/1	1
03331	2,4,6-Trichlorophenol	88-06-2	**••₽. N D	0.002	mg/l	1
	L	00 00-2	tN.D.	0.002	mg/l	1

Lancaster Laboratories, Inc. 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681 Page 1 of 2 REVISED

Page 2 of 2 REVISED



Lancaster Laboratories Sample No. TL 5119551

WCPWHR-1 Grab Soil Sample TCLP NON-VOLATILE EXTRACTION Troy, NY

Collected:08/02/2007 15:45 by JM

Submitted: 08/03/2007 09:10 Reported: 08/23/2007 at 12:31 Discard: 11/22/2007 Account Number: 09286

Brown & Caldwell 110 Commerce Dr. Allendale NJ 07401

HR1NV

CAT

CAT			As Received	Dilution		
No.	Analysis Name	CAS Number	Result	Detection	Units	Factor
03332 03333 03334 03335	2,4,5-Trichlorophenol 2,4-Dinitrotoluene Hexachlorobenzene Pentachlorophenol	95-95-4 121-14-2 118-74-1 87-86-5	N.D. N.D. N.D. N.D.	Limit 0.002 0.002 0.002 0.006	mg/l mg/l mg/l mg/l	1 1 1 1

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

No.	Analysis Namo			Analysis		Dilution
00259	Monguru	Method	Trial#	Date and Time	Analyst	Factor
00200	Nercury	SW-846 7470A	1	08/08/2007 16:11	Nelli S Markarvan	1
07035	Arsenic	SW-846 6010B	1	08/10/2007 02.22	Choon V Tion	1
07036	Selenium	SW-846 6010B	1	08/10/2007 02.22	Choop V Miss	1
07046	Barium	SW-846 6010B	1	08/10/2007 02.22	Choon Y Tian	1
07049	Cadmium	SW-846 6010B	1	08/10/2007 02:22	Choon Y Tian	1
07051	Chromium	SW-846 6010B	1	08/10/2007 02:22	Choon Y Tian	1
07055	Lead	SW-846 6010B	1	08/10/2007 02:22	Choon Y Tian	1
07066	Silver	SW 946 6010B	1	08/10/2007 02:22	Choon Y Tian	1
00950	TCLP Pesticides	SW-846 6010B	1	08/10/2007 02:22	Choon Y Tian	1
00952	TCLP Herbigides	SW-846 8081A	1	08/13/2007 15:17	Mark E McNulty	5
00949	TCLP Somitrolatilat	SW-846 8151A	1	08/09/2007 11:00	Sarah M Snyder	1
00816	Water Cample Hall'	SW-846 8270C	1	08/08/2007 04:14	William T Parker	1
00010	Extract	SW-846 8151A	1	08/07/2007 22:00	Karen L Beyer	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/10/2007 10:15	Roman Kuropatkin	1
00947	TCLP Non-volatile Extraction	SW-846 1311	1	08/06/2007 09:40	Debora L Barsis	n.a.
04731	TCLP Leachate Extraction	SW-846 3510C	1	09/07/2007 14 00		
05705	WW/TL SW 846 ICP Digest	SW-846 30100	1	08/07/2007 14:00	Eric M Walker	1
	(tot)	SH 010 JULOA	T	08/08/2007 23:10	Helen L Schaeffer	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/07/2007 16:15	Nelli S Markaryan	1

Page 1 of 1 REVISED



Lancaster Laboratories Sample No. TL 5119552

WCPWHR-1 Grab Soil Sample TCLP ZERO HEADSPACE EXTRACTION Troy, NY

Collected:08/02/2007 15:45 by JM

Submitted: 08/03/2007 09:10 Reported: 08/23/2007 at 12:31 Discard: 11/22/2007 Account Number: 09286

Brown & Caldwell 110 Commerce Dr. Allendale NJ 07401

HR1	ΖH
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CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05386 05390 05396 05399 05401 05402 05403 05403 05409 05413 06305	Vinyl Chloride 1,1-Dichloroethene Chloroform Carbon Tetrachloride Benzene 1,2-Dichloroethane Trichloroethene Tetrachloroethene Chlorobenzene 2-Butanone	75-01-4 75-35-4 67-66-3 56-23-5 71-43-2 107-06-2 79-01-6 127-18-4 108-90-7 78-93-3	N.D. N.D. N.D. 46. J N.D. N.D. N.D. N.D. N.D. N.D.	20. 16. 16. 20. 10. 20. 20. 16. 16. 16. 60.	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	20 20 20 20 20 20 20 20 20 20 20 20

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Cam	Laboratory Chronicle					
No. 03636	Analysis Name TCLP Volatiles	Method SW-846,8260B	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00946	TCLP Zero Headspace Extraction	SW-846 1311	1	08/07/2007 22:36	Angela D Sneeringer Jeremy L Weaver	20 n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/07/2007 22:36	Angela D Sneeringer	20



Lancaster Laboratories Sample No. SW 5119553

Page 1 of 2 REVISED

WCPWHR-2 Grab Soil Sample Troy, NY

Collected:08/02/2007 16:00 by JM

Submitted: 08/03/2007 09:10 Reported: 08/23/2007 at 12:31 Discard: 11/22/2007 Account Number: 09286 Brown & Caldwell

110 Commerce Dr. Allendale NJ 07401

PWHR2

ርъሞ				As Received		
No	3		As Received	Method		Dilution
NO.	Analysis Name	CAS Number	Result	Detection	Units	Factor
00111	Moisture	n.a.	40.3	0.50	d)	1
00540	"Moisture" represents the los 103 - 105 degrees Celsius. Th as-received basis.	ss in weight of Ne moisture resu	the sample after lt reported above	oven drying at e is on an	5	Ţ
00542	Ignitability	n.a.	See Below			1
	The sample did not spontaneou	sly ignite when	exposed to air o	or water.		-
	The sample did not ignite by	friction.				
	The sample vapors did not ign closed cup apparatus.	ite when exposed	d to a flame usin	ug a		
01121	Reactivity	n.a.	See Below		see	1
	Reactivity:				below	
01122 01123	SW-846 Revision 3, December 1 Reactive Cyanide and Reactive Chapter 7 - December 1996) ide more than 250 mg/kg of hydroge This waste is not considered 1 standard. These results do no July 14, 2005, EPA published a the Interim Guidance and the I is no specific guidance or a r Sulfide (Reactivity) Cvanide (Reactivity)	996 - Chapter 7. Sulfide (SW-846 entifies a react en cyanide or 50 hazardous due to ot reflect total a rule in the Fe method reference n.a.	3. The Interim Sections 7.3.3 ive material as 0 mg/kg of hydro reactivity base cyanide or tota deral Register ti d above. At thi d to evaluate "Re N.D.	Guidance for and 7.3.4 of generating gen sulfide. d on that l sulfide. On hat removed s time there eactivity". 53.6	mg/kg	1
		11.a.	N.D.	97.0	mg/kg	1
01216	PCBs in Solids					
01495	PCB-1016	12674-11-2		170		
01496	PCB-1221	11104-28-2	N.D.	170.	ug/kg	50
01497	PCB-1232	111/1-16 5	N.D.	260.	ug/kg	50
01498	PCB-1242	53469-21-9	N.D.	170.	ug/kg	50
01499	PCB-1248	12672 20 6	N.D.	170.	ug/kg	50
01500	PCB-1254	11007 60 1	N.D.	170.	ug/kg	50
01501	PCB-1260	11097-69-1	N.D.	170.	ug/kg	50
	Due to the nature of the arms	11096-82-5	N.D.	170.	ug/kg	50
	the analysis. The reporting 1	imits were raise	c, a dilution was ed accordingly.	used for		

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.



Lancaster Laboratories Sample No. SW 5119553

Page 2 of 2 REVISED

WCPWHR-2 Grab Soil Sample Troy, NY

Collected:08/02/2007 16:00 by JM

Submitted: 08/03/2007 09:10 Reported: 08/23/2007 at 12:31 Discard: 11/22/2007

PWHR2

Account Number: 09286

Brown & Caldwell 110 Commerce Dr. Allendale NJ 07401

CAT		Laboratory	Chro	nicle		
No. 00111 00542 01121 01122 01123 01216 00819	Analysis Name Moisture Ignitability Reactivity Sulfide (Reactivity) Cyanide (Reactivity) PCBs in Solids Solid Sample Pesticide Extract	Method SM20 2540 G 40 CFR 261.21 SW-846 Chapter 7.3 SW-846 9034 SW-846 9012A modified SW-846 8082 SW-846 3550B	Trial# 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Analysis Date and Time 08/06/2007 14:38 08/06/2007 21:35 08/06/2007 08:55 08/06/2007 08:55 08/07/2007 14:17 08/08/2007 17:02 08/06/2007 09:00	Analyst Scott W Freisher Daniel S Smith Susan E Hibner Susan E Hibner Michael J Kochan Jamie L Brillhart Ineabelle Poveda	Dilution Factor 1 1 1 1 50 1



Lancaster Laboratories Sample No. TL 5119554

WCPWHR-2 Grab Soil Sample TCLP NON-VOLATILE EXTRACTION Troy, NY

Collected:08/02/2007 16:00 by .

by JM

Submitted: 08/03/2007 09:10 Reported: 08/23/2007 at 12:31 Discard: 11/22/2007

HR2NV

Account Number: 09286

Brown & Caldwell 110 Commerce Dr. Allendale NJ 07401

				As Received		
CAT			As Received	Method		Dilution
NO.	Analysis Name	CAS Number	Result	Detection	Units	Factor
00259	Mercury	7439-97-6	N.D.	0,00028	ma/1	5
	The quantitation limit for mer	cury was raised	f		<u></u>	5
	due to the nature of the sample	e matrix.				
07035	Arsenic	7440-38-2	N.D.	0.0100	mcr/1	1
07036	Selenium	7782-49-2	N.D.	0.0094	mg/1	1
07046	Barium	7440-39-3	0.384	0.00060	mg/l	1
07049	Cadmium	7440-43-9	N.D.	0.00090	mg/1	1
07051	Chromium	7440-47-3	N.D.	0.0023	mg/1	1
07055	Lead	7439-92-1	0.0372	0.0069	mg/l	1
07066	Silver	7440-22-4	N.D.	0.0016	mg/l	1
00950	TCLP Pesticides					
01972	Gamma BHC - Lindane	58-89-9	0 00010	0.000010	(7	
01973	Heptachlor	76-44-8	0.00010	0.000010	mg/L	1
01974	Heptachlor Epoxide	1024-57-3	0.00020	0.000010	mg/1	1
01975	Methoxychlor	72-43-5	0.00050 N D	0.000010	mg/1	1
01976	Endrin	72-20-8	N.D.	0.00015	mg/l	1
01977	Chlordane	57-74-9	N.D.	0.000020	mg/l	1
01978	Toxaphene	8001-35-2	N D	0.00055	mg/1	1
	The surrogate data is outside t	he OC limits d	ue to unresolvabl	0.0015	mg/1	1
	problems evident in the sample	chromatogram.	ac to unresorvabl	Le MatilX		
00952	TCLP Herbicides					
01979	2,4-D	94-75-7	N D	0.0000	12	
01980	2,4,5-TP	93-72-1	N.D.	0.0020	mg/l	1
			10.D.	0.00020	mg / 1	1
00949	TCLP Semivolatiles					
03324	Pyridine	110-86-1	N.D.	0.004	mc /]	1
03325	1,4-Dichlorobenzene	106-46-7	N.D.	0.002	mg/1	1
03326	2-Methylphenol	95-48-7	N.D.	0.002	mg/1	1
03327	4-Methylphenol	106-44-5	N.D.	0.004	mg/1	1
	3-Methylphenol and 4-methylphenol chromatographic conditions used for 4-methylphenol represents t	ol cannot be re for sample and	esolved under the alysis. The resul	t reported	ng/1	Ţ
03328	Hexachloroethane	67-72-1	N.D.	0.002	mcr / 1	1
03329	Nitrobenzene	98-95-3	N.D.	0.002	mg/1	1
03330	Hexachlorobutadiene	87-68-3	N.D.	0.002	mg/1	1
03331	2,4,6-Trichlorophenol	88-06-2	N.D.	0.002	mg/1	1
					U .	-

Lancaster Laboratories, Inc. 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681 Page 1 of 2 REVISED

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Lancaster Laboratories Sample No. TL 5119554

WCPWHR-2 Grab Soil Sample TCLP NON-VOLATILE EXTRACTION Troy, NY

Collected:08/02/2007 16:00 by JM

Submitted: 08/03/2007 09:10 Reported: 08/23/2007 at 12:31 Discard: 11/22/2007

Account Number: 09286

Brown & Caldwell 110 Commerce Dr. Allendale NJ 07401

HR2NV

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection	Units	Dilution Factor
03332 03333 03334 03335	2,4,5-Trichlorophenol 2,4-Dinitrotoluene Hexachlorobenzene Pentachlorophenol	95-95-4 121-14-2 118-74-1 87-86-5	N.D. N.D. N.D. N.D.	Limit 0.002 0.002 0.002 0.002 0.006	mg/l mg/l mg/l mg/l	1 1 1

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT		Daboratory	CIII O.	nitere		
UAL No.				Analysis		Dilution
NO.	Analysis Name	Method	Trial#	Date and Time	Analvst	Factor
00259	Mercury	SW-846 7470A	1	08/08/2007 16:12	Nelli S Markarvan	E
07035	Arsenic	SW-846 6010B	1	08/10/2007 02:25	Choon V Tian	1
07036	Selenium	SW-846 6010B	1	08/10/2007 02:25	Choon V Tian	1
07046	Barium	SW-846 6010B	1	08/10/2007 02:25		1
07049	Cadmium	SW-846 6010B	1	08/10/2007 02:25	Choon Y Tian	1
07051	Chromium	SW-846 6010B	1	00/10/2007 02:25	Choon Y Tian	1
07055	Lead	SW-846 6010B	1	08/10/2007 02:25	Choon Y Tian	1
07066	Gilmor	SW-846 6010B	1	08/10/2007 02:25	Choon Y Tian	1
00050	BOLD Drating 1	SW-846 6010B	1	08/10/2007 02:25	Choon Y Tian	1
00950	TCLP Pesticides	SW-846 8081A	1	08/13/2007 16:00	Mark E McNulty	1
00952	TCLP Herbicides	SW-846 8151A	1	08/09/2007 12:57	Sarah M Snyder	1
00949	TCLP Semivolatiles	SW-846 8270C	1	08/08/2007 06:46	William T Parker	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	08/07/2007 22:00	Karen L Beyer	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	08/10/2007 10:15	Roman Kuropatkin	1
00947	TCLP Non-volatile Extraction	SW-846 1311	1	08/06/2007 09:40	Debora L Barsis	n.a.
04731	TCLP Leachate Extraction	SW-846 3510C	1	08/07/2007 14:00	Eric M Walker	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	08/08/2007 23:10	Helen L Schaeffer	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	08/07/2007 16:15	Nelli S Markaryan	1



Lancaster Laboratories Sample No. TL 5119555

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WCPWHR-2 Grab Soil Sample TCLP ZERO HEADSPACE EXTRACTION Troy, NY

Collected:08/02/2007 16:00 by JM

Submitted: 08/03/2007 09:10 Reported: 08/23/2007 at 12:31 Discard: 11/22/2007

Account Number: 09286

Brown & Caldwell 110 Commerce Dr. Allendale NJ 07401

HR2ZH

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
03636	TCLP Volatiles					
05386	Vinyl Chloride	75-01-4	N.D.	20	ug (1	20
05390	1,1-Dichloroethene	75-35-4	N.D.	16	ug/1	20
05396	Chloroform	67-66-3	N.D.	16	ug/1	20
05399	Carbon Tetrachloride	56-23-5	N.D.	20	ug/1	20
05401	Benzene	71-43-2	N D	10	ug/i	20
05402	1,2-Dichloroethane	107-06-2	N D	20	ug/l	20
05403	Trichloroethene	79-01-6	N.D.	20.	ug/1	20
05409	Tetrachloroethene	127-18-1	N.D.	20.	ug/l	20
05413	Chlorobenzene	108_90 7	N.D.	16.	ug/l	20
06305	2-Butanone	70 02 2	N.D.	16.	ug/l	20
		10-93-3	N.D.	60.	ug/l	20

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

	Laboratory Chronicle							
No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution		
)3636)0946	TCLP Volatiles TCLP Zero Headspace Extraction	SW-846 8260B SW-846 1311	1 1	08/07/2007 22:59 08/06/2007 10:55	Angela D Sneeringer Jeremy L Weaver	20 n.a.		
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/07/2007 22:59	Angela D Sneeringer	20		



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Quality Control Summary

Client Name: Brown & Caldwell Reported: 08/23/07 at 12:31 PM

Group Number: 1049877

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report <u>Units</u>	LCS %REC	LCSD <u>%REC</u>	LCS/LCSD Limits	RPD	<u>RPD Max</u>
Batch number: 072160023A PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260	Sample N.D. N.D. N.D. N.D. N.D. N.D. N.D.	number(s): 3.3 5.2 3.3 3.3 3.3 3.3 3.3 3.3	5119550,5: ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	119553 93		72-120		
Batch number: 07218112101A Sulfide (Reactivity)	Sample N.D.	number(s):	5119550,51	L19553		74 100		
Batch number: 07218820003B Moisture	Sample	number(s):	5119550,51	19553 100		99_101		
Batch number: 072190019A 2,4-D 2,4,5-TP	Sample N.D. N.D.	number(s): 0.0020 0.00020	5119551,51 mg/l mg/l	19554 120 100		52-140 50-144		
Batch number: 07219104101A Cyanide (Reactivity)	Sample : N.D.	number(s): 100.	5119550,51 mg/kg	19553 101		86-111		
Mercury	Sample : N.D.	number(s): 0.00005 6	5119551,51 mg/l	19554 97		80-120		
Batch number: 07219WAF026 Pyridine 1,4-Dichlorobenzene 2-Methylphenol Hexachloroethane Nitrobenzene Hexachlorobutadiene 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2,4-Dinitrotoluene Hexachlorobenzene Pentachlorophenol	Sample 1 N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D	aumber(s): 0.004 0.002 0.002 0.004 0.002 0.02	5119551,51 mg/1 mg/1 mg/1 mg/1 mg/1 mg/1 mg/1 mg/	19554 53 89 77 80 84 90 90 98 93 93 96 106 85		24-89 54-103 56-105 62-99 35-125 61-111 35-135 69-111 70-115 75-122 68-113 48-108		
Batch number: 072205705001 Arsenic Selenium Barium Cadmium Chromium	Sample r N.D. N.D. N.D. N.D. N.D.	umber(s): 5 0.0100 0.0094 0.00060 0.00090 0.0023	5119551,51: mg/l mg/l mg/l mg/l mg/l	19554 103 108 96 101 101		90-119 80-120 90-110 90-112 90-110		

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The background result was more than four times the spike added.



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Quality Control Summary

Client Name: Brown & Caldwell Reported: 08/23/07 at 12:31 PM

Group Number: 1049877

Laboratory Compliance Quality Control

<u>Analysis Name</u> Lead Silver	Blank <u>Result</u> N.D. N.D.	Blank <u>MDL</u> 0.0069 0.0016	Report <u>Units</u> mg/1 mg/1	LCS <u>%REC</u> 107 102	LCSD <u>%REC</u>	LCS/LCSD Limits 90-113 90-118	<u>RPD</u>	RPD Max
Batch number: 072210021A Gamma BHC - Lindane	Sample num N.D.	per(s): 51 0.00001	19551,511 mg/l	9554 102		65-144		
Heptachlor	N.D.	0.00001	mg/l	88		65-123		
Heptachlor Epoxide	N.D.	0.00001	mg/l	99		73-141		
Methoxychlor Endrin	N.D. N.D.	0.00015	mg/l mg/l	100 100		49-155 62-135		
Chlordane Toxaphene	N.D. N.D.	0.00035 0.0015	mg/l mg/l					
Batch number: N072161AF Vinyl Chloroethene Chloroform Carbon Tetrachloride Benzene 1,2-Dichloroethane Trichloroethene Tetrachloroethene Chlorobenzene 2-Butanone	Sample numb N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D	<pre>ver(s): 51 20. 16. 16. 20. 20. 20. 20. 20. 20. 16. 16. 60.</pre>	19552,5119 ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	9555 73 103 102 93 98 95 95 95 96 97 97		54-123 76-122 86-124 77-130 78-119 77-132 87-117 74-125 85-115 52-163		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS <u>%REC</u>	MSD <u>%REC</u>	MS/MSD Limits	RPD	RPD <u>MAX</u>	BKG Conc	DUP Conc	DUP RPD	Dup RPD <u>Max</u>
Batch number: 072160023A PCB-1016 PCB-1260	Sample 81 89	number(s): 78 85	: 5119550, 45-125 62-130	511955: 4 5	3 UNSPK 50 50	: P119445			
Batch number: 07218112101A Sulfide (Reactivity)	Sample : 56	number(s): 64	5119550, 10-124	511955: 13	3 UNSPK 35	: P119939			
Batch number: 07218820003B Moisture	Sample :	number(s):	5119550,	5119553	BKG:	P112205 25.1	24.6	2	15
Batch number: 072190019A 2,4-D 2,4,5-TP	Sample : 100 88	number(s): 87 83	5119551, 38-176 44-161	5119554 14 6	l UNSPK 30 30	: 5119551			
Batch number: 07219104101A Cyanide (Reactivity)	Sample 1 4	number(s): 2	5119550, 0-5	5119553 0	UNSPK 16	: P119939			

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The background result was more than four times the spike added.



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Quality Control Summary

Client Name: Brown & Caldwell Reported: 08/23/07 at 12:31 PM

Group Number: 1049877

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name Batch number: 072195713001 Mercury	MS <u>%REC</u> Sample 87	MSD <u>%REC</u> number(s)	MS/MSD Limits : 5119551	.,511955	RPD MAX 54 UNSPF	BKG Conc : P118644	DUP <u>Conc</u> BKG: P118644	DUP RPD	Dup RPD <u>Max</u>
		07	00-120	T	20	N.D.	N.D.	0 (1)	20
Batch number: 07219WAF026	Sample	number(s)	: 5119551	,511955	4 UNSPK	: 5119551			
	68	58	32-78	11	30	. 9119991			
1,4-Dichlorobenzene	89	88	63-109	0	30				
2-Methylphenol	80	76	1-132	4	30				
4-Methylphenol	82	77	2-138	6	30				
Hexachloroethane	85	81	42-122	4	30				
Nitrobenzene	94	93	37-138	2	30				
Hexachlorobutadiene	91	89	44-128	3	30				
2,4,6-Trichlorophenol	101	106	19_1/5	1	30				
2,4,5-Trichlorophenol	92	96	27-135	4	30				
2,4-Dinitrotoluene	102	106	AA. 1A1	4	30				
Hexachlorobenzene	107	103	44~141 60 110	4	30				
Pentachlorophenol	96	45	02-11/	4	30				
-	20	90	9-130	T	30				
Batch number: 072205705001	Sample	number(s)	· 5119551	511055		D110644			
Arsenic	102 ~	121	75-125	17	4 UNSER	: PI10044	BKG: P118644		
Selenium	100	119	75 - 125	17	20	N.D.	N.D.	0 (1)	20
Barium	76	51*	75-125	30*	20	N.D.	N.D.	96* (1)	20
Cadmium	96	114	75_125	39" 17	20	0.598	0.397	40*	20
Chromium	92	108	75-125	10	20	0.0125	0.0082	41* (1)	20
Lead	(2)	(2)	75 125	T 0	20	N.D.	N.D.	21* (1)	20
Silver	13*	1//*	75 105	381	20	185.	142.	26*	20
		7.3	10-120	8	20	N.D.	N.D.	0 (1)	20
Batch number: 072210021A	Sample	number(s);	5119551.	511955	INCOZ	• D10010E			
Gamma BHC - Lindane	98 -	102	79-124	4	3 ONSEV	: P122125			
Heptachlor	85	93	44-125	Ω Ω	30				
Heptachlor Epoxide	96	100	50-131	4	30				
Methoxychlor	100	110	55-131	10	30				
Endrin	96	100	55-127	10	30				
			00 <u>1</u> 27	-	50				
Batch number: N072161AF	Sample	number(s):	5119552.	5119559	UNSPK.	P116906			
vinyi Chloride	83	75	54-143	10	30	1110000			
1,1-Dichloroethene	110	133	87-145	19	30				
Inforotorm	100	136	83-139	30	30				
Carbon Tetrachloride	106	135	82-149	23	30				
Benzene	101	133*	83-128	25	30				
l,2-Dichloroethane	92	115	70-1/3	20	30				
Frichloroethene	100	111	83-136	44 10	20				
fetrachloroethene	100	120	78_133	10	20				
Chlorobenzene	101	108	93 100	10 7	30				
2-Butanone	89	<u>400</u> 01	00-120 57 127	1	30				
	02	ノエ	J/⊥J/	3	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ. (2) T

(2) The background result was more than four times the spike added.



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Quality Control Summary

Client Name: Brown & Caldwell Reported: 08/23/07 at 12:31 PM

Group Number: 1049877

Surrogate Quality Control

Analysis Name: PCBs in Solids Batch number: 072160023A Tetrachloro-m-xylene Decachlorobiphenyl

		- reacting to supplie the t		
5119550	902*	316*		
5119553	97	240		
Blank	106	22		
LCS	102	112		
MC	103	109		
MOD	76	103		
MSD	74	99		
Limits:	53-139	53-142		
7				
Batch num	Name: TCLP Herbicides ber: 072190019A			
	2,4-			
	Dichlorophenvlacetic			
	acid			
5119551	115			
5119554	92			
Blank	81			
LCS	97			
MS	83			
MSD	70			
	, 0			
Limits:	31-137			
Apolucia 1				
Potab mumb	Name: TCLP Acid Base/Neut:	rals		
baten num	ber: 07219WAF026			
	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenvl-d14	Phonol d6
5119551	02		1	THENOT-00
5110554	0.5	81	71	30
フェエクラフタ	84	81	106	55
Plonk	0.0			30
Blank	82	82	99	38
Blank LCS	82 86	82 85	99 80	38 34
Blank LCS MS	82 86 87	82 85 83	99 80 95	38 34 37
Blank LCS MS MSD	82 86 87 86	82 85 83 84	99 80 95	38 34 37 41
Blank LCS MS MSD	82 86 87 86	82 85 83 84	99 80 95 116	38 34 37 41 38
Blank LCS MS MSD Limits:	82 86 87 86 51-123	82 85 83 84 63-118	99 80 95 116 52-151	38 34 37 41 38
Blank LCS MS MSD Limits:	82 86 87 86 51-123	82 85 83 84 63-118	99 80 95 116 52-151	38 34 37 41 38 10-82
Blank LCS MS MSD Limits:	82 86 87 86 51-123 2-Fluorophenol	82 85 83 84 63-118 2,4,6-Tribromophenol	99 80 95 116 52-151	38 34 37 41 38 10-82
Blank LCS MS MSD Limits:	82 86 87 86 51-123 2-Fluorophenol	82 85 83 84 63-118 2,4,6-Tribromophenol	99 80 95 116 52-151	38 34 37 41 38 10-82
Blank LCS MS MSD Limits: 5119551 5119554	82 86 87 86 51-123 2-Fluorophenol 56	82 85 83 84 63-118 2,4,6-Tribromophenol 116	99 80 95 116 52-151	38 34 37 41 38 10-82
Blank LCS MS D Limits: 5119551 5119554 Blank	82 86 87 86 51-123 2-Fluorophenol 56 56	82 85 83 84 63-118 2,4,6-Tribromophenol 116 111	99 80 95 116 52-151	38 34 37 41 38 10-82
Blank LCS MS D Limits: 5119551 5119554 Blank LCS	82 86 87 86 51-123 2-Fluorophenol 56 56 53	82 85 83 84 63-118 2,4,6-Tribromophenol 116 111 108	99 80 95 116 52-151	38 34 37 41 38 10-82
Blank LCS MSD Limits: 5119551 5119554 Blank LCS	82 86 87 86 51-123 2-Fluorophenol 56 56 53 57	82 85 83 84 63-118 2,4,6-Tribromophenol 116 111 108 110	99 80 95 116 52-151	38 34 37 41 38 10-82
Blank LCS MS D Limits: 5119551 5119554 Blank LCS MS	82 86 87 86 51-123 2-Fluorophenol 56 56 53 57 60	82 85 83 84 63-118 2,4,6-Tribromophenol 116 111 108 110 109	99 80 95 116 52-151	38 34 37 41 38 10-82
Blank LCS MS D Limits: 5119551 5119554 Blank LCS MS MSD	82 86 87 86 51-123 2-Fluorophenol 56 56 53 57 60 58	82 85 83 84 63-118 2,4,6-Tribromophenol 116 111 108 110 109 114	99 80 95 116 52-151	38 34 37 41 38 10-82
Blank LCS MS MSD Limits: 5119551 5119554 Blank LCS MS MSD Limits:	82 86 87 86 51-123 2-Fluorophenol 56 56 53 57 60 58	82 85 83 84 63-118 2,4,6-Tribromophenol 116 111 108 110 109 114	99 80 95 116 52-151	38 34 37 41 38 10-82
Blank LCS MS MSD Limits: 5119551 5119554 Blank LCS MS MSD Limits:	82 86 87 86 51-123 2-Fluorophenol 56 56 53 57 60 58 10-103	82 85 83 84 63-118 2,4,6-Tribromophenol 116 111 108 110 109 114 20-159	99 80 95 116 52-151	38 34 37 41 38 10-82
Blank LCS MS MSD Limits: 5119551 5119554 Blank LCS MSD Limits: Analysis N	82 86 87 86 51-123 2-Fluorophenol 56 56 53 57 60 58 10-103 ame: TCLP Pesticides	82 85 83 84 63-118 2,4,6-Tribromophenol 116 111 108 110 109 114 20-159	99 80 95 116 52-151	38 34 37 41 38 10-82
Blank LCS MSD Limits: 5119551 5119554 Blank LCS MS MSD Limits: Analysis N Batch numb	82 86 87 86 51-123 2-Fluorophenol 56 56 53 57 60 58 10-103 ame: TCLP Pesticides er: 072210021a	82 85 83 84 63-118 2,4,6-Tribromophenol 116 111 108 110 109 114 20-159	99 80 95 116 52-151	38 37 41 38 10-82
Blank LCS MS MSD Limits: 5119551 5119554 Blank LCS MS MSD Limits: Analysis N Batch numb	82 86 87 86 51-123 2-Fluorophenol 56 56 53 57 60 58 10-103 ame: TCLP Pesticides er: 072210021A Tetrachlorocm-vuloroc	82 85 83 84 63-118 2,4,6-Tribromophenol 116 111 108 110 109 114 20-159	99 80 95 116 52-151	38 37 41 38 10-82
Blank LCS MSD Limits: 5119551 5119554 Blank LCS MSD Limits: Analysis N Batch numb	82 86 87 86 51-123 2-Fluorophenol 56 56 53 57 60 58 10-103 ame: TCLP Pesticides er: 072210021A Tetrachloro-m-xylene	82 85 83 84 63-118 2,4,6-Tribromophenol 116 111 108 110 109 114 20-159 Decachlorobiphenyl	99 80 95 116 52-151	38 34 37 41 38 10-82
Blank LCS MS MSD Limits: 5119551 5119554 Blank LCS MSD Limits: Analysis N Batch numb 5119551	82 86 87 86 51-123 2-Fluorophenol 56 56 53 57 60 58 10-103 ame: TCLP Pesticides er: 072210021A Tetrachloro-m-xylene 42*	82 85 83 84 63-118 2,4,6-Tribromophenol 116 111 108 110 109 114 20-159 Decachlorobiphenyl	99 80 95 116 52-151	38 34 37 41 38 10-82

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ. (2) T

(2) The background result was more than four times the spike added.



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Quality Control Summary

Client M Reported	Name: Brown & Caldwe d: 08/23/07 at 12:31	Ll PM	Group Number: 1()49877
5119554 Blank LCS MS MSD	141* 80 79 76 78	Surrogate Q 120 98 103 98 97	uality Control	
Limits:	45-125	47-155		
Analysis N Batch numb	Jame: TCLP by 8260 per: N072161AF Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5119552 5119555 Blank LCS MS MSD	96 97 96 100 100 125*	99 97 97 101 110 125*	100 101 101 99 94 97	94 95 94 95 90 107
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The background result was more than four times the spike added.

Soil/Sludge Waste Characterization

BROWN AND CALDWELL





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ANALYTICAL RESULTS

Prepared for:

Brown & Caldwell 234 Hudson Ave. Albany NY 12210

518-472-1988

Prepared by:

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1077290. Samples arrived at the laboratory on Wednesday, February 13, 2008. The PO# for this group is 132071.

Client Description	Lancaster Labs Number
WC-OWS-021208 Grab Water Sample	5278762
WC-OWS-021208 Composite Soil Sample	5278763
WC-OWS-021208 Composite Soil Sample	5278764
WC-OWS-021208 Composite Soil Sample	5278765
WC-TLS-021208 Grab Water Sample	5278766
WC-TLS-01-021208 Composite Soil Sample	5278767
WC-TLS-01-021208 Composite Soil Sample	5278768
WC-TLS-01-021208 Composite Soil Sample	5278769
WC-TLS-02-021208 Grab Water Sample	5278770
WC-TLS-02-021208 Composite Soil Sample	5278771
WC-TLS-02-021208 Composite Soil Sample	5278772
WC-TLS-02-021208 Composite Soil Sample	5278773

1 COPY TO

Brown & Caldwell

Attn: Jim Marolda





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Questions? Contact your Client Services Representative Richard C Entz at (717) 656-2300

Respectfully Submitted,



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Page 1 of 5

Lancas	ster Laboratories Sampl	e No. SW527876	53	Group No. 10772	90	
WC-OWS Troy I	-021208 Composite Soil RMs /132071 - NY	Sample				
Collec	ted:02/12/2008 08:45	by JM	Acc	count Number: 093	286	
Submit Report Discar	ted: 02/13/2008 10:50 ted: 02/20/2008 at 16:1 td: 05/21/2008	9	Brc 234 Alk	own & Caldwell 4 Hudson Ave. oany NY 12210		
OWS-S						
<i></i>			_	Dry		
CAT			Dry	Limit of	• .	Dilution
NO.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor
08270	TPH-DRO by 8015B	n.a.	7,000.	880.	mg/kg	50
00159	Mercury	7439-97-6	0.897	0.144	mg/kg	1
06935	Arsenic	7440-38-2	17.9	2.92	mg/kg	1
06936	Selenium	7782-49-2	N.D.	2.92	mg/kg	1
06946	Barium	7440-39-3	133.	0.730	mg/kg	1
06949	Cadmium	7440-43-9	2.05	0.730	mg/kg	1
06951	Chromium	7440-47-3	23.2	2.15	mg/kg	1
06955	Lead	7439-92-1	297.	2.19	mg/kg	1
06966	Silver	7440-22-4	< 0.730	0.730	mg/kg	1
00111	Moisture	n.a.	31.5	0.50	00	1
	"Moisture" represents the 1 103 - 105 degrees Celsius. as-received basis.	loss in weight of t The moisture resul	the sample afte It reported abo	er oven drying at ove is on an		
00542	Ignitability	n.a.	See Below			1
	The sample did not spontane	eously ignite when	exposed to ai:	r or water.		
	The sample did not ignite b	by friction.				
	The sample vapors did not i	ignite when exposed	d to a flame u	sing a		
	closed cup apparatus.					
01121	Reactivity	n.a.	See Below		see	1
	Deertisites				below	
	Reactivity:					
	This sample was extracted a	and analyzed by the	e interim metro	od described in		
	SW-846 Revision 3, December	1996 - Chapter /.	.3. The inter	im Guidance for		
	Reactive Cyanide and Reacting	LVE SUIFICE (SW-846	Sections /.3	.3 and 7.3.4 or		
	Chapter / - December 1996)	identifies a react	cive material a	as generating		
	more than 250 mg/kg of hydr	rogen cyanide or 50	JU mg/kg of nyd	arogen sulfide.		
	This waste is not considered	ed hazardous due to	o reactivity ba	ased on that		
	standard. These results do	not reflect total	L cyanide or to	otal sulfide. Un		
	July 14, 2005, EPA publishe	ed a rule in the Fe	ederal Registe:	r that removed		
	the Interim Guidance and th	he method reference	ed above. At t	this time there		
	is no specific guidance or	a method to be use	ed to evaluate	"Reactivity".	<i>'</i> -	
01122	Sulfide (Reactivity)	n.a.	< 160.	160.	mg/kg	1
01123	Cyanide (Reactivity)	n.a.	N.D.	97.2	mg/kg	1
05895	Total Cyanide (solid)	57-12-5	N.D.	0.72	mg/kg	1
01216	PCBs in Solids					
						_
01495	PCB-1016	12674-11-2	N.D.	74.	ug/kg	1
01496	PCB-1221	11104-28-2	N.D.	74.	ug/kg	1
01497	PCB-1232	11141-16-5	N.D.	74.	ug/kg	1
01498	PCB-1242	53469-21-9	N.D.	74.	ug/kg	1
01499	PCB-1248	12672-29-6	N.D.	74.	ug/kg	1
01500	PCB-1254	11097-69-1	N.D.	74.	ug/kg	1



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						1 450 2 01 5
Lancas	ter Laboratories Sample 1	No. SW527876	53	Group No. 10772	90	
WC-OWS	-021208 Composite Soil Sa	ample				
IIOYI	.RMS /1320/1 - N1					
Collec	ted:02/12/2008 08:45	by JM	Ac	count Number: 09	286	
Submit Report Discar	ted: 02/13/2008 10:50 ed: 02/20/2008 at 16:19 ed: 05/21/2008		Br 23 Al	cown & Caldwell 34 Hudson Ave. 1bany NY 12210		
OWS-S				Deur		
CAT			Dry	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor
01501	PCB-1260	11096-82-5	N.D.	74.	uq/kq	1
	Due to the nature of the samp	le matrix, a rec	duced aliquot	was used		
	for analysis. The reporting	limits were rais	sed according	ly.		
04688	TCL SW846 Semivolatiles Soil					
01185	Phenol	108-95-2	N.D.	2,400.	uq/kq	10
01186	2-Chlorophenol	95-57-8	N.D.	2,400,	ug/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	2,400.	ug/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	2,400.	ug/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	2,400.	ug/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	2,400,	ug/kg	10
01191	Acenaphthene	83-32-9	39,000.	2,400.	ug/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	7.300	ua/ka	10
01193	2.4-Dinitrotoluene	121-14-2	< 2.400	2,400	ug/ka	10
01194	Pentachlorophenol	87-86-5	N.D.	7,300	ug/ka	10
01195	Pyrene	129-00-0	120.000	24.000	ug/ka	100
03746	2-Nitrophenol	88-75-5	N.D.	2.400	ug/ka	10
03747	2.4-Dimethylphenol	105-67-9	N.D.	2,400.	ug/kg	10
03748	2.4-Dichlorophenol	120-83-2	N.D.	2,400.	ug/kg	10
03749	2.4.6-Trichlorophenol	88-06-2	N.D.	2,400	ua/ka	10
03750	2.4-Dinitrophenol	51-28-5	N.D.	29.000	ua/ka	10
03751	4.6-Dinitro-2-methylphenol	534-52-1	N.D.	7.300	ug/ka	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	2,400	ug/kg	10
03754	1.3-Dichlorobenzene	541-73-1	N.D.	2,400.	ug/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	2,400.	ug/kg	10
03757	Hexachloroethane	67-72-1	N.D.	2,400.	ug/kg	10
03758	Nitrobenzene	98-95-3	N.D.	2,400.	ug/kg	10
03759	Isophorone	78-59-1	N.D.	2,400.	ug/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	2,400.	ug/kg	10
03761	Naphthalene	91-20-3	970,000.	120,000.	ug/kg	500
03762	Hexachlorobutadiene	87-68-3	N.D.	2,400.	ug/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	7,300.	uq/kq	10
03764	2-Chloronaphthalene	91-58-7	N.D.	2,400.	uq/kq	10
03765	Acenaphthylene	208-96-8	98,000.	24,000.	ug/kg	100
03766	Dimethylphthalate	131-11-3	N.D.	2,400.	ug/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	2,400.	uq/kq	10
03768	Fluorene	86-73-7	55,000.	2,400.	uq/ka	10
03769	4-Chlorophenyl-phenvlether	7005-72-3	N.D.	2,400.	uq/ka	10
03770	Diethylphthalate	84-66-2	N.D.	2,400.	uq/ka	10
03772	N-Nitrosodiphenvlamine	86-30-6	N.D.	2,400	ug/ka	10
	N-nitrosodiphenvlamine decomp	oses in the GC	nlet forming	diphenvlamine		
	The result reported for N-nit:	rosodiphenylami	ne represents	the combined		



Albany NY 12210

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Lancaster Laboratories Sample No	. SW5278763	Group No. 1077290
WC-OWS-021208 Composite Soil Sam Troy IRMs /132071 - NY	ple	
Collected:02/12/2008 08:45 b	y JM	Account Number: 09286
Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19		Brown & Caldwell 234 Hudson Ave.

Reported: 02/20/2008 at 16:19 Discard: 05/21/2008

OWS-S

			Deve	Dry Limit of		Dilution
CAT	Analogia Nemo	GAG Mumber	Dry	Limit or	TT-sites	Dilution
NO.	total of both compounds	CAS NUMBER	Result	Quantitation	UNICS	Factor
02772	A Promonhonyl phonylethor	101 66 0	ND	2 400	ug/kg	10
03773	4-Bromophenyr-phenyrecher	110 74 1	N.D.	2,400.	ug/kg	10
03774	Departhropo	05 01 0	190 000	2,400.	ug/kg	100
03775	Anthragono	120 12 7	11 000	24,000.	ug/kg	100
03770	Di n butulnatalata	120-12-7	41,000. N D	2,400.	ug/kg	10
03779	Fluoranthene	206-44-2	N.D. 97 000	2,400.	ug/kg	100
03770		200-44-0	97,000. N D	24,000.	ug/kg	100
03700		83-88-7 EC EE 2	N.D. 46 000	2,400.	ug/kg	10
03701	Chrygono	210 01 0	40,000.	2,400.	ug/kg	10
03702	2 24 Dichlorobongidino	210-01-9	50,000. N D	2,400.	ug/kg	10
03703	big (2. Ethylbourgl) phthalata	91-94-1 117 01 7	N.D.	4,900.	ug/kg	10
03704	Dis (2-Ethymexyl) phillalate	117-01-7	N.D.	4,900.	ug/kg	10
03705		205 00 2	N.D.	2,400.	ug/kg	10
03700	Benze (b) flueranthene	205-99-2	18,000.	2,400.	ug/kg	10
03707		207-08-9	18,000.	2,400.	ug/kg	10
03788	Benzo (a) pyrene	50-32-8 102-20-5	47,000.	2,400.	ug/kg	10
03789	Dibert (c, b) enthus serie	193-39-5	20,000.	2,400.	ug/kg	10
03790	Dibenz (a, n) anthracene	53-70-3	7,900.	2,400.	ug/kg	10
03/91	Benzo(g,n,1)perylene	191-24-2	25,000.	2,400.	ug/kg	10
04690	2-Methylphenol	95-48-7	N.D.	2,400.	ug/kg	10
04691	2,2'-oxybis(1-Chioropropane)	108-60-1	N.D.	2,400.	ug/kg	10
04692	4-Methylphenol	106-44-5	N.D.	2,400.	ug/kg	10
	chromatographic conditions used for 4-methylphenol represents t	d for sample ar the combined to	nalysis. The re nalysis the re	the sult reported mpounds.		
04693	4-Chloroaniline	106-47-8	N.D.	2,400.	ug/kg	10
04694	2-Methylnaphthalene	91-57-6	300,000.	24,000.	ug/kg	100
04695	2,4,5-Trichlorophenol	95-95-4	N.D.	2,400.	ug/kg	10
04696	2-Nitroaniline	88-74-4	N.D.	2,400.	ug/kg	10
04697	3-Nitroaniline	99-09-2	N.D.	2,400.	ug/kg	10
04698	Dibenzofuran	132-64-9	11,000.	2,400.	ug/kg	10
04700	4-Nitroaniline	100-01-6	N.D.	2,400.	ug/kg	10
04702	Carbazole	86-74-8	5,200.	2,400.	ug/kg	10
	Due to the sample matrix an int	itial dilution	was necessary	to perform the		
	analysis. Therefore, the report	cting limits fo	or the GC/MS se	emivolatile		
	compounds were raised.					
06292	TCL by 8260 (soil)					
05444	Chloromethane	74-87-3	N.D.	680.	ug/kg	93.63
05445	Vinyl Chloride	75-01-4	N.D.	680.	ug/kg	93.63
05446	Bromomethane	74-83-9	N.D.	680.	ug/kg	93.63
05447	Chloroethane	75-00-3	N.D.	680.	ug/kg	93.63



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Lancaster Laboratories Sample 1	No. SW5278763	Group No. 1077290
WC-OWS-021208 Composite Soil Sa Troy IRMs /132071 - NY	ample	
Collected:02/12/2008 08:45	by JM	Account Number: 09286
Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008		Brown & Caldwell 234 Hudson Ave. Albany NY 12210

OWS-S

				Dry		
CAT			Dry	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor
05449	1,1-Dichloroethene	75-35-4	N.D.	680.	ug/kg	93.63
05450	Methylene Chloride	75-09-2	N.D.	680.	ug/kg	93.63
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	680.	ug/kg	93.63
05452	1,1-Dichloroethane	75-34-3	N.D.	680.	ug/kg	93.63
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	680.	ug/kg	93.63
05455	Chloroform	67-66-3	N.D.	680.	ug/kg	93.63
05457	1,1,1-Trichloroethane	71-55-6	N.D.	680.	ug/kg	93.63
05458	Carbon Tetrachloride	56-23-5	N.D.	680.	ug/kg	93.63
05460	Benzene	71-43-2	120,000.	6,800.	ug/kg	936.33
05461	1,2-Dichloroethane	107-06-2	N.D.	680.	ug/kg	93.63
05462	Trichloroethene	79-01-6	N.D.	680.	ug/kg	93.63
05463	1,2-Dichloropropane	78-87-5	N.D.	680.	ug/kg	93.63
05465	Bromodichloromethane	75-27-4	N.D.	680.	ug/kg	93.63
05466	Toluene	108-88-3	130,000.	6,800.	ug/kg	936.33
05467	1,1,2-Trichloroethane	79-00-5	N.D.	680.	ug/kg	93.63
05468	Tetrachloroethene	127-18-4	N.D.	680.	ug/kg	93.63
05470	Dibromochloromethane	124-48-1	N.D.	680.	ug/kg	93.63
05472	Chlorobenzene	108-90-7	N.D.	680.	ug/kg	93.63
05474	Ethylbenzene	100-41-4	170,000.	6,800.	ug/kg	936.33
05477	Styrene	100-42-5	46,000.	6,800.	ug/kg	936.33
05478	Bromoform	75-25-2	N.D.	680.	ug/kg	93.63
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	680.	ug/kg	93.63
06293	Acetone	67-64-1	N.D.	2,700.	ug/kg	93.63
06294	Carbon Disulfide	75-15-0	N.D.	680.	ug/kg	93.63
06296	2-Butanone	78-93-3	N.D.	1,400.	ug/kg	93.63
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	680.	ug/kg	93.63
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	680.	ug/kg	93.63
06299	4-Methyl-2-pentanone	108-10-1	N.D.	1,400.	ug/kg	93.63
06300	2-Hexanone	591-78-6	N.D.	1,400.	ug/kg	93.63
06301	Xylene (Total)	1330-20-7	160,000.	6,800.	ug/kg	936.33

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

		Laboratory	CILLOI	ILCIE		
CAT			Analysis			Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
08270	TPH-DRO by 8015B	SW-846 8015B	1	02/18/2008 12:25	Diane V Do	50



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Lancas	ter Laboratories Sample	No. SW5278763		Group No. 1077	290				
WC-OWS Troy]	WC-OWS-021208 Composite Soil Sample Froy IRMs /132071 - NY								
Collec	ted:02/12/2008 08:45	by JM	A	Account Number: (9286				
Submit Report Discar	ted: 02/13/2008 10:50 ed: 02/20/2008 at 16:19 rd: 05/21/2008		B 2 A	Brown & Caldwell 234 Hudson Ave. Albany NY 12210					
OWS-S									
00159	Mercury	SW-846 7471A	1	02/15/2008 11:51	Damary Valentin	1			
06935	Arsenic	SW-846 6010B	1	02/15/2008 05:51	Joanne M Gates	1			
06936	Selenium	SW-846 6010B	1	02/15/2008 05:51	Joanne M Gates	1			
06946	Barium	SW-846 6010B	1	02/15/2008 05:51	Joanne M Gates	1			
06949	Cadmium	SW-846 6010B	1	02/15/2008 05:51	Joanne M Gates	1			
06951	Chromium	SW-846 6010B	1	02/17/2008 23:03	Tara L Snyder	1			
06955	Lead	SW-846 6010B	1	02/15/2008 05:51	Joanne M Gates	1			
06966	Silver	SW-846 6010B	1	02/15/2008 05:51	Joanne M Gates	1			
00111	Moisture	SM20 2540 G	1	02/14/2008 15:11	Scott W Freisher	1			
00542	Ignitability	40 CFR 261.21	1	02/17/2008 04:40	Daniel S Smith	1			
01121	Reactivity	SW-846 Chapter 7.3	1	02/18/2008 09:30	Susan E Hibner	1			
01122	Sulfide (Reactivity)	SW-846 9034	1	02/18/2008 09:30	Susan E Hibner	1			
01123	Cyanide (Reactivity)	SW-846 9012A modified	1	02/19/2008 10:42	William L Hamaker Jr	1			
05895	Total Cyanide (solid)	SW-846 9012A	1	02/18/2008 10:33	Nicole M Kepley	1			
01216	PCBs in Solids	SW-846 8082	1	02/18/2008 14:36	Jamie L Brillhart	1			
04688	TCL SW846 Semivolatiles Soil	SW-846 8270C	1	02/18/2008 01:44	William T Parker	10			
04688	TCL SW846 Semivolatiles Soil	SW-846 8270C	1	02/19/2008 11:07	Ryan P Byrne	100			
04688	TCL SW846 Semivolatiles Soil	SW-846 8270C	1	02/19/2008 11:58	Ryan P Byrne	500			
06292	TCL by 8260 (soil)	SW-846 8260B	1	02/18/2008 09:25	Stephanie A Selis	93.63			
06292	TCL by 8260 (soil)	SW-846 8260B	1	02/18/2008 09:47	Stephanie A Selis	936.33			
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/13/2008 15:59	Eric L Vera	n.a.			
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/13/2008 16:00	Eric L Vera	n.a.			
00381	BNA Soil Extraction	SW-846 3550B	1	02/15/2008 16:05	Adrienne E Fellenbaum	1			
00819	Solid Sample Pesticide Extract	SW-846 3550B	1	02/14/2008 18:35	Sally L Appleyard	1			
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/14/2008 20:30	Annamaria Stipkovits	1			
05708	SW SW846 ICP Digest	SW-846 3050B	2	02/16/2008 09:55	Mirit S Shenouda	1			
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	02/14/2008 23:55	Annamaria Stipkovits	1			
05896	Cyanide Solid Distillation	SW-846 9012A	1	02/14/2008 00:20	Carolyn M Mastropietro	1			
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/13/2008 15:58	Eric L Vera	n.a.			
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/15/2008 09:55	Jessica Agosto	1			



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Lancaster Laboratories Sample 1	No. TL5278764	Group No. 1077290
WC-OWS-021208 Composite Soil Sa TCLP NON-VOLATILE EXTRACTION Troy IRMs /132071 - NY	ample	
Collected:02/12/2008 08:45	by JM	Account Number: 09286
Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008		Brown & Caldwell 234 Hudson Ave. Albany NY 12210
OWSNV		

				As Received		
CAT			As Received	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor
00259	Mercury	7439-97-6	N.D.	0.00020	mg/l	1
07035	Arsenic	7440-38-2	N.D.	0.0200	mg/l	1
07036	Selenium	7782-49-2	N.D.	0.0200	mg/l	1
07046	Barium	7440-39-3	0.788	0.0050	mg/l	1
07049	Cadmium	7440-43-9	< 0.0050	0.0050	mg/l	1
07051	Chromium	7440-47-3	N.D.	0.0150	mg/l	1
07055	Lead	7439-92-1	0.0273	0.0150	mg/l	1
07066	Silver	7440-22-4	N.D.	0.0050	mg/l	1
00950	TCLP Pesticides					
01972	Gamma BHC - Lindane	58-89-9	N.D.	0.000050	mg/l	1
01973	Heptachlor	76-44-8	N.D.	0.000050	mg/l	1
01974	Heptachlor Epoxide	1024-57-3	N.D.	0.000050	mg/l	1
01975	Methoxychlor	72-43-5	N.D.	0.00050	mg/l	1
01976	Endrin	72-20-8	N.D.	0.00010	mg/l	1
01977	Chlordane	57-74-9	N.D.	0.0025	mg/l	1
01978	Toxaphene	8001-35-2	N.D.	0.015	mg/l	1
00952	TCLP Herbicides					
01979	2,4-D	94-75-7	N.D.	0.010	mg/l	1
01980	2,4,5-TP	93-72-1	< 0.0010	0.0010	mg/l	1
00949	TCLP Acid Base/Neutrals					
03324	Pyridine	110-86-1	N.D.	0.050	mg/l	1
03325	1,4-Dichlorobenzene	106-46-7	N.D.	0.050	mg/l	1
03326	2-Methylphenol	95-48-7	N.D.	0.050	mg/l	1
03327	4-Methylphenol	106-44-5	N.D.	0.050	mg/l	1
	3-Methylphenol and 4-methylphen chromatographic conditions used for 4-methylphenol represents	nol cannot be n d for sample an the combined to	resolved under th nalysis. The resu otal of both comp	ne ult reported pounds.		
03328	Hexachloroethane	67-72-1	N.D.	0.050	mg/l	1
03329	Nitrobenzene	98-95-3	N.D.	0.050	mg/l	1
03330	Hexachlorobutadiene	87-68-3	N.D.	0.050	mg/l	1
03331	2,4,6-Trichlorophenol	88-06-2	N.D.	0.050	mg/l	1
03332	2,4,5-Trichlorophenol	95-95-4	N.D.	0.050	mg/l	1
03333	2,4-Dinitrotoluene	121-14-2	N.D.	0.050	mg/l	1
03334	Hexachlorobenzene	118-74-1	N.D.	0.050	mg/l	1
03335	Pentachlorophenol	87-86-5	N.D.	0.13	mg/l	1



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Lancaster Laboratories Sample No	o. TL5278764	Group No. 1077290	
WC-OWS-021208 Composite Soil Sau TCLP NON-VOLATILE EXTRACTION Troy IRMs /132071 - NY	mple		
Collected:02/12/2008 08:45	by JM	Account Number: 09286	
Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008		Brown & Caldwell 234 Hudson Ave. Albany NY 12210	
OWSNV		As Received	

CAT			As Received	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

		Laboratory	CIILO			
CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
00259	Mercury	SW-846 7470A	1	02/18/2008 08:19	Damary Valentin	1
07035	Arsenic	SW-846 6010B	1	02/18/2008 23:10	John P Hook	1
07036	Selenium	SW-846 6010B	1	02/18/2008 23:10	John P Hook	1
07046	Barium	SW-846 6010B	1	02/18/2008 23:10	John P Hook	1
07049	Cadmium	SW-846 6010B	1	02/18/2008 23:10	John P Hook	1
07051	Chromium	SW-846 6010B	1	02/18/2008 23:10	John P Hook	1
07055	Lead	SW-846 6010B	1	02/18/2008 23:10	John P Hook	1
07066	Silver	SW-846 6010B	1	02/18/2008 23:10	John P Hook	1
00950	TCLP Pesticides	SW-846 8081A	1	02/18/2008 14:35	Lindsey K Lafferty	1
00952	TCLP Herbicides	SW-846 8151A	1	02/18/2008 19:44	Michele D Hamilton	1
00949	TCLP Acid Base/Neutrals	SW-846 8270C	1	02/18/2008 04:27	William T Parker	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	02/16/2008 07:45	Deborah M Zimmerman	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	02/15/2008 17:00	JoElla L Rice	1
00947	TCLP Non-volatile Extraction	SW-846 1311	1	02/14/2008 11:40	Jeremy L Weaver	n.a.
04731	TCLP Leachate Extraction	SW-846 3510C	1	02/15/2008 14:00	Mariam G Attalla	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	02/18/2008 13:50	Mirit S Shenouda	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	02/15/2008 18:40	Nelli S Markaryan	1



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Lancaster Laboratories Sample M	No. TL5278765	Group No. 1077290
WC-OWS-021208 Composite Soil Sa TCLP ZERO HEADSPACE EXTRACTION Troy IRMs /132071 - NY Collected:02/12/2008 08:45	ample by JM	Account Number: 09286
Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008	-	Brown & Caldwell 234 Hudson Ave. Albany NY 12210

OWSZH

				As Received		
CAT			As Received	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor
03636	TCLP by 8260					
05386	Vinyl Chloride	75-01-4	N.D.	0.10	mg/l	20
05390	1,1-Dichloroethene	75-35-4	N.D.	0.10	mg/l	20
05396	Chloroform	67-66-3	N.D.	0.10	mg/l	20
05399	Carbon Tetrachloride	56-23-5	N.D.	0.10	mg/l	20
05401	Benzene	71-43-2	21.	0.50	mg/l	100
05402	1,2-Dichloroethane	107-06-2	N.D.	0.10	mg/l	20
05403	Trichloroethene	79-01-6	N.D.	0.10	mg/l	20
05409	Tetrachloroethene	127-18-4	N.D.	0.10	mg/l	20
05413	Chlorobenzene	108-90-7	N.D.	0.10	mg/l	20
06305	2-Butanone	78-93-3	N.D.	0.20	mg/l	20

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

		Laborator	y Chro	nicle		
CAT		-	•	Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
03636	TCLP by 8260	SW-846 8260B	1	02/19/2008 09:36	Stephanie A Selis	20
03636	TCLP by 8260	SW-846 8260B	1	02/19/2008 11:31	Stephanie A Selis	100
00946	TCLP Zero Headspace Extraction	SW-846 1311	1	02/14/2008 16:20	James J McCaw	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/19/2008 09:36	Stephanie A Selis	20
01163	GC/MS VOA Water Prep	SW-846 5030B	2	02/19/2008 11:31	Stephanie A Selis	100



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Lancaster Laboratories Sample No	SW5278767	Group No. 1077290
WC-TLS-01-021208 Composite Soil Troy IRMs /132071 - NY	Sample	
Collected:02/12/2008 10:30	JM	Account Number: 09286
Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008		Brown & Caldwell 234 Hudson Ave. Albany NY 12210
TLS-S		

				Dry				
CAT			Dry	Limit of		Dilution		
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor		
08270	TPH-DRO by 8015B	n.a.	34,000.	4,000.	mg/kg	50		
	Due to the nature of the sample	matrix, a redu	uced aliquot was u	used				
	for analysis. The reporting lim	nits were raise	ed accordingly.					
00159	Mercury	7439-97-6	0.267	0.108	mg/kg	1		
06935	Arsenic	7440-38-2	13.2	2.20	mg/kg	1		
06936	Selenium	7782-49-2	< 2.20	2.20	mg/kg	1		
06946	Barium	7440-39-3	123.	0.550	mg/kg	1		
06949	Cadmium	7440-43-9	0.825	0.550	mg/kg	1		
06951	Chromium	7440-47-3	11.6	1.60	mg/kg	1		
06955	Lead	7439-92-1	758.	1.65	mg/kg	1		
06966	Silver	7440-22-4	< 0.550	0.550	mg/kg	1		
00111	Moisture	n.a.	10.0	0.50	00	1		
	"Moisture" represents the loss i 103 - 105 degrees Celsius. The m as-received basis.	n weight of th oisture result	ne sample after or reported above :	ven drying at is on an				
00542	Ignitability	n.a.	See Below			1		
	The sample did not spontaneously	[,] ignite when e	exposed to air or	water.				
	The sample did not ignite by friction.							
	The sample vapors did not ignite	e when exposed	to a flame using	a				
	closed cup apparatus.							
01121	Reactivity	n.a.	See Below		see below	1		
01122	This sample was extracted and an SW-846 Revision 3, December 1996 Reactive Cyanide and Reactive Su Chapter 7 - December 1996) ident more than 250 mg/kg of hydrogen This waste is not considered haz standard. These results do not July 14, 2005, EPA published a r the Interim Guidance and the met is no specific guidance or a met Sulfide (Reactivity)	alyzed by the - Chapter 7.: llfide (SW-846 cyanide or 500 cardous due to reflect total rule in the Fee chod referenced to be used	interim method de 3. The Interim Ge Sections 7.3.3 an ive material as ge 0 mg/kg of hydroge reactivity based cyanide or total deral Register the d above. At this d to evaluate "Rea	escribed in uidance for nd 7.3.4 of enerating en sulfide. on that sulfide. On at removed time there activity".	ma /ka	1		
01122	Guarida (Reactivity)	11.a.	N.D.	160.	llig/kg	1		
01123	Cyanide (Reactivity)	II.a.	N.D.	96.7	llig/kg	1		
05895	Total Cyanide (solid)	57-12-5	N.D.	0.54	mg/kg	T		
01216	PCBs in Solids							
01495	PCB-1016	12674-11-2	N.D.	110.	ug/kg	2		
01496	PCB-1221	11104-28-2	N.D.	110.	ug/kg	2		
01497	PCB-1232	11141-16-5	N.D.	110.	ug/kg	2		
01498	PCB-1242	53469-21-9	N.D.	110.	ug/kg	2		



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Lancas	ter Laboratories Sample	No. SW527876	57 0	Group No. 10772	90	
Troy I	RMs /132071 - NY	1 Sample				
Collec	ted:02/12/2008 10:30	by JM	Acco	ount Number: 09	286	
Submit Report Discar	ted: 02/13/2008 10:50 ed: 02/20/2008 at 16:19 rd: 05/21/2008		Brov 234 Alba	wn & Caldwell Hudson Ave. any NY 12210		
TLS-S				_		
CAT			Dry	Dry Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor
01499	PCB-1248	12672-29-6	N.D.	110.	ug/kg	2
01500	PCB-1254	11097-69-1	310.	110.	ug/kg	2
01501	PCB-1260	11096-82-5	1,200.	110.	ug/kg	2
	Due to the nature of the samp	le matrix, a rec	duced aliquot w	as used		
	for analysis. The reporting	limits were rais	sed accordingly			
04688	TCL SW846 Semivolatiles Soil					
01185	Phenol	108-95-2	N.D.	19,000.	ug/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	19,000.	ug/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	19,000.	ug/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	19,000.	ug/kg	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	19,000.	ug/kg	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	19,000.	ug/kg	10
01191	Acenaphthene	83-32-9	410,000.	19,000.	ug/kg	10
01192	4-Nitrophenol	100-02-7	N.D.	56,000.	ug/kg	10
01193	2,4-Dinitrotoluene	121-14-2	N.D.	19,000.	ug/kg	10
01194	Pentachlorophenol	87-86-5	N.D.	56,000.	ug/kg	10
01195	Pyrene	129-00-0	1,900,000.	190,000.	ug/kg	100
03746	2-Nitrophenol	88-75-5	N.D.	19,000.	ug/kg	10
03747	2,4-Dimethylphenol	105-67-9	N.D.	19,000.	ug/kg	10
03748	2,4-Dichlorophenol	120-83-2	N.D.	19,000.	ug/kg	10
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	19,000.	ug/kg	10
03750	2,4-Dinitrophenol	51-28-5	N.D.	220,000.	ug/kg	10
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	56,000.	ug/kg	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	19,000.	ug/kg	10
03754	1,3-Dichlorobenzene	541-73-1	N.D.	19,000.	ug/kg	10
03755	1,2-Dichlorobenzene	95-50-1	N.D.	19,000.	ug/kg	10
03757	Hexachloroethane	67-72-1	N.D.	19,000.	ug/kg	10
03758	Nitrobenzene	98-95-3	N.D.	19,000.	ug/kg	10
03759	Isophorone	78-59-1	N.D.	19,000.	ug/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	19,000.	ug/kg	10
03761	Naphthalene	91-20-3	8,500,000.	930,000.	ug/kg	500
03762	Hexachlorobutadiene	87-68-3	N.D.	19,000.	ug/kg	10
03763	Hexachlorocyclopentadiene	-/-/-4	N.D.	56,000.	ug/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	19,000.	ug/kg	10
03765	Acenaphthylene	208-96-8	1,400,000. N.D.	190,000.	ug/kg	100
03766	Dimetnyiphthalate	131-11-3	N.D.	19,000.	ug/kg	10
03767	2,6-Dinitrotoluene	606-20-2	N.D.	19,000.	ug/kg	10
03768	Fluorene	86-73-7	1,200,000.	190,000.	ug/kg	100
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	19,000.	ug/kg	10
03770	Diethylphthalate	84-66-2	N.D.	19,000.	ug/kg	10



Brown & Caldwell

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Lancaster Laboratories Sample No. SW5278767 Group No. 1077290 WC-TLS-01-021208 Composite Soil Sample Troy IRMs /132071 - NY Collected:02/12/2008 10:30 by JM Account Number: 09286

Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008

TLS-S

				Dry		
CAT			Dry	Limit of		Dilutior
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	19,000.	ug/kg	10
	N-nitrosodiphenylamine decompo The result reported for N-nitro total of both compounds	ses in the GC i osodiphenylamir	inlet forming di ne represents th	phenylamine. le combined		
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	19,000.	ug/kg	10
03774	Hexachlorobenzene	118-74-1	N.D.	19,000.	ug/kg	10
03775	Phenanthrene	85-01-8	3,000,000.	190,000.	ug/kg	100
03776	Anthracene	120-12-7	930,000.	190,000.	ug/kg	100
03777	Di-n-butylphthalate	84-74-2	N.D.	19,000.	ug/kg	10
03778	Fluoranthene	206-44-0	1,200,000.	190,000.	ug/kg	100
03780	Butylbenzylphthalate	85-68-7	N.D.	19,000.	ug/kg	10
03781	Benzo(a)anthracene	56-55-3	760,000.	190,000.	ug/kg	100
03782	Chrysene	218-01-9	790,000.	190,000.	ug/kg	100
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	37,000.	ug/kg	10
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	37,000.	ug/kg	10
03785	Di-n-octylphthalate	117-84-0	N.D.	19,000.	ug/kg	10
03786	Benzo(b)fluoranthene	205-99-2	530,000.	190,000.	ug/kg	100
03787	Benzo(k)fluoranthene	207-08-9	190,000.	19,000.	ug/kg	10
03788	Benzo(a)pyrene	50-32-8	680,000.	190,000.	ug/kg	100
03789	Indeno(1,2,3-cd)pyrene	193-39-5	230,000.	19,000.	ug/kg	10
03790	Dibenz(a,h)anthracene	53-70-3	100,000.	19,000.	ug/kg	10
03791	Benzo(g,h,i)perylene	191-24-2	290,000.	19,000.	ug/kg	10
04690	2-Methylphenol	95-48-7	N.D.	19,000.	ug/kg	10
04691	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	19,000.	ug/kg	10
04692	4-Methylphenol	106-44-5	N.D.	19,000.	ug/kg	10
04693	3-Methylphenol and 4-methylphe chromatographic conditions use for 4-methylphenol represents 4-Chloroaniline	nol cannot be n d for sample ar the combined to 106-47-8	resolved under t halysis. The res btal of both com N.D.	he ult reported pounds. 19,000.	ug/kg	10
04694	2-Methylnaphthalene	91-57-6	3,200,000.	190,000.	ug/kg	100
04695	2,4,5-Trichlorophenol	95-95-4	N.D.	19,000.	ug/kg	10
04696	2-Nitroaniline	88-74-4	N.D.	19,000.	ug/kg	10
04697	3-Nitroaniline	99-09-2	N.D.	19,000.	ug/kg	10
04698	Dibenzofuran	132-64-9	140,000.	19,000.	ug/kg	10
04700	4-Nitroaniline	100-01-6	N.D.	19,000.	ug/kg	10
04702	Carbazole	86-74-8	47,000.	19,000.	ug/kg	10
	Due to sample matrix interfere	nces observed d	luring the extra	ction, the		
	normal reporting limits were n	ot attained.				

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

06292 TCL by 8260 (soil)



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Lancaster Laboratories Sample No. SW5278767

Group No. 1077290

Account Number: 09286

Brown & Caldwell

234 Hudson Ave.

Albany NY 12210

WC-TLS-01-021208 Composite Soil Sample Troy IRMs /132071 - NY

Collected:02/12/2008 10:30 by JM

Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008

TLS-S

	Dry							
CAT			Dry	Limit of		Dilution		
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor		
05444	Chloromethane	74-87-3	N.D.	2,900.	ug/kg	520.83		
05445	Vinyl Chloride	75-01-4	N.D.	2,900.	ug/kg	520.83		
05446	Bromomethane	74-83-9	N.D.	2,900.	ug/kg	520.83		
05447	Chloroethane	75-00-3	N.D.	2,900.	ug/kg	520.83		
05449	1,1-Dichloroethene	75-35-4	N.D.	2,900.	ug/kg	520.83		
05450	Methylene Chloride	75-09-2	N.D.	2,900.	ug/kg	520.83		
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	2,900.	ug/kg	520.83		
05452	1,1-Dichloroethane	75-34-3	N.D.	2,900.	ug/kg	520.83		
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	2,900.	ug/kg	520.83		
05455	Chloroform	67-66-3	N.D.	2,900.	ug/kg	520.83		
05457	1,1,1-Trichloroethane	71-55-6	N.D.	2,900.	ug/kg	520.83		
05458	Carbon Tetrachloride	56-23-5	N.D.	2,900.	ug/kg	520.83		
05460	Benzene	71-43-2	530,000.	29,000.	ug/kg	5208.33		
05461	1,2-Dichloroethane	107-06-2	N.D.	2,900.	ug/kg	520.83		
05462	Trichloroethene	79-01-6	N.D.	2,900.	ug/kg	520.83		
05463	1,2-Dichloropropane	78-87-5	N.D.	2,900.	ug/kg	520.83		
05465	Bromodichloromethane	75-27-4	N.D.	2,900.	ug/kg	520.83		
05466	Toluene	108-88-3	830,000.	29,000.	ug/kg	5208.33		
05467	1,1,2-Trichloroethane	79-00-5	N.D.	2,900.	ug/kg	520.83		
05468	Tetrachloroethene	127-18-4	N.D.	2,900.	ug/kg	520.83		
05470	Dibromochloromethane	124-48-1	N.D.	2,900.	ug/kg	520.83		
05472	Chlorobenzene	108-90-7	N.D.	2,900.	ug/kg	520.83		
05474	Ethylbenzene	100-41-4	310,000.	29,000.	ug/kg	5208.33		
05477	Styrene	100-42-5	420,000.	29,000.	ug/kg	5208.33		
05478	Bromoform	75-25-2	N.D.	2,900.	ug/kg	520.83		
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	2,900.	ug/kg	520.83		
06293	Acetone	67-64-1	N.D.	12,000.	ug/kg	520.83		
06294	Carbon Disulfide	75-15-0	N.D.	2,900.	ug/kg	520.83		
06296	2-Butanone	78-93-3	N.D.	5,800.	ug/kg	520.83		
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	2,900.	ug/kg	520.83		
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	2,900.	ug/kg	520.83		
06299	4-Methyl-2-pentanone	108-10-1	N.D.	5,800.	ug/kg	520.83		
06300	2-Hexanone	591-78-6	N.D.	5,800.	ug/kg	520.83		
06301	Xylene (Total)	1330-20-7	610,000.	29,000.	ug/kg	5208.33		

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.



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Lancaster Laboratories Sample No. SW5278767

Group No. 1077290

Account Number: 09286

Brown & Caldwell

234 Hudson Ave.

Albany NY 12210

WC-TLS-01-021208 Composite Soil Sample Troy IRMs /132071 - NY

Collected:02/12/2008 10:30 by JM

Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008

TLS-S

Laboratory Chronicle							
CAT				Analysis			Dilution
No.	Analysis Name	Method	Trial#	Date and Tim	me	Analyst	Factor
08270	TPH-DRO by 8015B	SW-846 8015B	1	02/18/2008 12	2:05	Diane V Do	50
00159	Mercury	SW-846 7471A	1	02/15/2008 11	1:46	Damary Valentin	1
06935	Arsenic	SW-846 6010B	1	02/15/2008 06	6:12	Joanne M Gates	1
06936	Selenium	SW-846 6010B	1	02/15/2008 06	6:12	Joanne M Gates	1
06946	Barium	SW-846 6010B	1	02/15/2008 06	6:12	Joanne M Gates	1
06949	Cadmium	SW-846 6010B	1	02/15/2008 06	6:12	Joanne M Gates	1
06951	Chromium	SW-846 6010B	1	02/17/2008 23	3:07	Tara L Snyder	1
06955	Lead	SW-846 6010B	1	02/15/2008 06	6:12	Joanne M Gates	1
06966	Silver	SW-846 6010B	1	02/15/2008 06	6:12	Joanne M Gates	1
00111	Moisture	SM20 2540 G	1	02/14/2008 15	5:11	Scott W Freisher	1
00542	Ignitability	40 CFR 261.21	1	02/17/2008 04	4:40	Daniel S Smith	1
01121	Reactivity	SW-846 Chapter 7.3	1	02/18/2008 09	9:30	Susan E Hibner	1
01122	Sulfide (Reactivity)	SW-846 9034	1	02/18/2008 09	9:30	Susan E Hibner	1
01123	Cyanide (Reactivity)	SW-846 9012A modified	1	02/19/2008 10	0:44	William L Hamaker Jr	1
05895	Total Cyanide (solid)	SW-846 9012A	1	02/18/2008 10	0:34	Nicole M Kepley	1
01216	PCBs in Solids	SW-846 8082	1	02/18/2008 14	4:50	Jamie L Brillhart	2
04688	TCL SW846 Semivolatiles Soil	SW-846 8270C	1	02/18/2008 02	2:54	William T Parker	10
04688	TCL SW846 Semivolatiles Soil	SW-846 8270C	1	02/19/2008 11	1:30	Ryan P Byrne	100
04688	TCL SW846 Semivolatiles Soil	SW-846 8270C	1	02/19/2008 12	2:21	Ryan P Byrne	500
06292	TCL by 8260 (soil)	SW-846 8260B	1	02/18/2008 10	0:10	Stephanie A Selis	520.83
06292	TCL by 8260 (soil)	SW-846 8260B	1	02/18/2008 10	0:32	Stephanie A Selis	5208.3 3
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/13/2008 16	6:06	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/13/2008 16	6:04	Eric L Vera	n.a.
00381	BNA Soil Extraction	SW-846 3550B	1	02/15/2008 16	6:05	Adrienne E Fellenbaum	1
00819	Solid Sample Pesticide Extract	SW-846 3550B	1	02/14/2008 18	8:35	Sally L Appleyard	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/14/2008 20	0:30	Annamaria Stipkovits	1
05708	SW SW846 ICP Digest	SW-846 3050B	2	02/16/2008 09	9:55	Mirit S Shenouda	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	02/14/2008 23	3:55	Annamaria Stipkovits	1
05896	Cyanide Solid Distillation	SW-846 9012A	1	02/14/2008 00	0:20	Carolyn M Mastropietro	1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/13/2008 16	6:03	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/15/2008 09	9:55	Jessica Agosto	1


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Lancaster Laboratories Sample M	No. TL5278768	Group No. 1077290
WC-TLS-01-021208 Composite Soil TCLP NON-VOLATILE EXTRACTION Troy IRMs /132071 - NY	L Sample	
Collected:02/12/2008 10:30	by JM	Account Number: 09286
Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008		Brown & Caldwell 234 Hudson Ave. Albany NY 12210

TLSNV

СУД			As Received	As Received		Dilution
No	Analyzia Name	CAS Number	Regult	Quantitation	IInite	Factor
00259	Mercury	7439-97-6	ND		mg/l	1
07035	Argenia	7439-97-0	A.D. 0200	0.00020	mg/1	1
07035	Gelenium	7440-30-2	X 0.0200	0.0200	mg/1	1
07046	Barium	7702-49-2	0.435	0.0200	mg/1	1
07040	Cadmium	7440-43-9	0.455 	0.0050	mg/1	1
07051	Chromium	7440-47-3	N.D.	0.0050	mg/1	1
07051	Load	7420 02 1	0.0670	0.0150	mg/1	1
07055	Silver	7439-92-1	0.0075 M D	0.0150	mg/1	1
07088	SILVEL	7440-22-4	N.D.	0.0050	шу/т	T
00950	TCLP Pesticides					
01972	Gamma BHC - Lindane	58-89-9	N.D.	0.000050	mg/l	1
01973	Heptachlor	76-44-8	N.D.	0.000050	mg/l	1
01974	Heptachlor Epoxide	1024-57-3	< 0.000050	0.000050	mg/l	1
01975	Methoxychlor	72-43-5	N.D.	0.00050	mg/l	1
01976	Endrin	72-20-8	N.D.	0.00010	mg/l	1
01977	Chlordane	57-74-9	N.D.	0.0025	mg/l	1
01978	Toxaphene	8001-35-2	N.D.	0.015	mg/l	1
00952	TCLP Herbicides					
01979	2,4-D	94-75-7	N.D.	0.010	mg/l	1
01980	2,4,5-TP	93-72-1	N.D.	0.0010	mg/l	1
00949	TCLP Acid Base/Neutrals					
03324	Pyridine	110-86-1	N.D.	0.050	mg/l	1
03325	1,4-Dichlorobenzene	106-46-7	N.D.	0.050	mg/l	1
03326	2-Methylphenol	95-48-7	N.D.	0.050	mg/l	1
03327	4-Methylphenol	106-44-5	< 0.050	0.050	mg/l	1
00000	3-Methylphenol and 4-methylphenol chromatographic conditions used for 4-methylphenol represents	nol cannot be n d for sample and the combined to	resolved under the alysis. The result of both comp	ne alt reported pounds.		1
03328	Hexachloroethane	67-72-1	N.D.	0.050	mg/l	1
03329	NILTODENZENE	98-95-3	N.D.	0.050	mg/1	1
03330	Hexachlorobutadiene	87-68-3	N.D.	0.050	mg/l	1
03331	2,4,6-Trichlorophenol	88-06-2	N.D.	0.050	mg/l	1
03332	2,4,5-Trichlorophenol	95-95-4	N.D.	0.050	mg/l	1
03333	2,4-Dinitrotoluene	121-14-2	N.D.	0.050	mg/l	1
03334	Hexachlorobenzene	118-74-1	N.D.	0.050	mg/l	Ţ
03335	rentachiorophenol	87-86-5	N.D.	0.13	mq/l	T



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Lancaster Laboratories Sample No.	TL5278768	Group No. 1077290
WC-TLS-01-021208 Composite Soil Sa TCLP NON-VOLATILE EXTRACTION Troy IRMs /132071 - NY	mple	
Collected:02/12/2008 10:30 by	JM	Account Number: 09286
Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008		Brown & Caldwell 234 Hudson Ave. Albany NY 12210

TLSNV

				As Received		
CAT			As Received	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

		Laboratory	CIILO			
CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
00259	Mercury	SW-846 7470A	1	02/18/2008 08:20	Damary Valentin	1
07035	Arsenic	SW-846 6010B	1	02/18/2008 23:31	John P Hook	1
07036	Selenium	SW-846 6010B	1	02/18/2008 23:31	John P Hook	1
07046	Barium	SW-846 6010B	1	02/18/2008 23:31	John P Hook	1
07049	Cadmium	SW-846 6010B	1	02/18/2008 23:31	John P Hook	1
07051	Chromium	SW-846 6010B	1	02/18/2008 23:31	John P Hook	1
07055	Lead	SW-846 6010B	1	02/18/2008 23:31	John P Hook	1
07066	Silver	SW-846 6010B	1	02/18/2008 23:31	John P Hook	1
00950	TCLP Pesticides	SW-846 8081A	1	02/18/2008 15:17	Lindsey K Lafferty	1
00952	TCLP Herbicides	SW-846 8151A	1	02/18/2008 21:33	Michele D Hamilton	1
00949	TCLP Acid Base/Neutrals	SW-846 8270C	1	02/18/2008 05:36	William T Parker	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	02/16/2008 07:45	Deborah M Zimmerman	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	02/15/2008 17:00	JoElla L Rice	1
00947	TCLP Non-volatile Extraction	SW-846 1311	1	02/14/2008 11:40	Jeremy L Weaver	n.a.
04731	TCLP Leachate Extraction	SW-846 3510C	1	02/15/2008 14:00	Mariam G Attalla	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	02/18/2008 13:50	Mirit S Shenouda	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	02/15/2008 18:40	Nelli S Markaryan	1



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Lancaster Laboratories Sample M	No. TL5278769	Group No. 1077290
WC-TLS-01-021208 Composite Soil TCLP ZERO HEADSPACE EXTRACTION Troy IRMs /132071 - NY	l Sample	
Collected:02/12/2008 10:30	by JM	Account Number: 09286
Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008		Brown & Caldwell 234 Hudson Ave. Albany NY 12210

TLSZH

				As Received		
CAT			As Received	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor
03636	TCLP by 8260					
05386	Vinyl Chloride	75-01-4	N.D.	0.10	mg/l	20
05390	1,1-Dichloroethene	75-35-4	N.D.	0.10	mg/l	20
05396	Chloroform	67-66-3	N.D.	0.10	mg/l	20
05399	Carbon Tetrachloride	56-23-5	N.D.	0.10	mg/l	20
05401	Benzene	71-43-2	8.1	0.25	mg/l	50
05402	1,2-Dichloroethane	107-06-2	N.D.	0.10	mg/l	20
05403	Trichloroethene	79-01-6	N.D.	0.10	mg/l	20
05409	Tetrachloroethene	127-18-4	N.D.	0.10	mg/l	20
05413	Chlorobenzene	108-90-7	N.D.	0.10	mg/l	20
06305	2-Butanone	78-93-3	N.D.	0.20	mg/l	20

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

		Laborator	y Chro	nicle		
CAT			-	Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
03636	TCLP by 8260	SW-846 8260B	1	02/19/2008 10:45	Stephanie A Selis	20
03636	TCLP by 8260	SW-846 8260B	1	02/19/2008 11:55	Stephanie A Selis	50
00946	TCLP Zero Headspace Extraction	SW-846 1311	1	02/14/2008 16:20	James J McCaw	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/19/2008 10:45	Stephanie A Selis	20
01163	GC/MS VOA Water Prep	SW-846 5030B	2	02/19/2008 11:55	Stephanie A Selis	50



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Lancaster Laboratories Sample 1	No. SW5278771	Group No. 1077290						
WC-TLS-02-021208 Composite Soil Sample Troy IRMs /132071 - NY								
Collected:02/12/2008 11:55	by JM	Account Number: 09286						
Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008		Brown & Caldwell 234 Hudson Ave. Albany NY 12210						
TLS-2								

				Dry		
CAT			Dry	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor
08270	TPH-DRO by 8015B	n.a.	100,000.	12,000.	mg/kg	250
	Due to the nature of the sample	matrix, a red	luced aliquot was	s used		
	for analysis. The reporting lim	nits were rais	ed accordingly.			
00159	Mercury	7439-97-6	0.157	0.125	mg/kg	1
06935	Arsenic	7440-38-2	29.0	2.55	mg/kg	1
06936	Selenium	7782-49-2	N.D.	2.55	mg/kg	1
	The quantitation limits for ICP	metals were r	aised due to the	e nature of the		
00010	Sample matrix.	7440 20 2	140	0 (27		1
06946	Barium	7440-39-3	142. N D	0.637	llig/kg	I F
06949		7440-43-9	N.D.	3.19	mg/kg	5
06951	Chromium	7440-47-3	29.1	1.91	mg/kg	1
06955	Lead	7439-92-1	125.	1.91	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.637	mg/kg	1
00111	Moisture	n.a.	23.1	0.50	olo	1
	"Moisture" represents the loss i 103 - 105 degrees Celsius. The r as-received basis	in weight of t noisture resul	he sample after t reported above	oven drying at e is on an		
00542	Ignitability	n.a.	See Below			1
	The sample did not spontaneously	y ignite when	exposed to air (or water.		
	The sample did not ignite by fri	iction.				
	The sample vapors did not ignite	e when exposed	l to a flame usi	ng a		
	closed cup apparatus.					
01121	Reactivity	n.a.	See Below		see	1
	-				below	
	Reactivity:					
	This sample was extracted and ar	nalyzed by the	e interim method	described in		
	SW-846 Revision 3, December 1996	5 - Chapter 7.	3. The Interim	Guidance for		
	Reactive Cyanide and Reactive Su	ulfide (SW-846	Sections 7.3.3	and 7.3.4 of		
	Chapter 7 - December 1996) ident	cifies a react	ive material as	generating		
	more than 250 mg/kg of hydrogen	cyanide or 50	0 mg/kg of hydr	ogen sulfide.		
	This waste is not considered has	zardous due to	reactivity bas	ed on that		
	standard. These results do not	reflect total	cyanide or tot	al sulfide. On		
	July 14, 2005, EPA published a m	rule in the Fe	deral Register	that removed		
	the Interim Guidance and the met	chod reference	d above. At th	is time there		
	is no specific guidance or a met	thod to be use	d to evaluate "!	Reactivity".		
01122	Sulfide (Reactivity)	n.a.	N.D.	160.	mg/kg	1
01123	Cyanide (Reactivity)	n.a.	N.D.	97.9	mg/kg	1
05895	Total Cyanide (solid)	57-12-5	11.0	0.64	mg/kg	1
01216	PCBs in Solids					
01495	PCB-1016	12674-11-2	N.D.	66.	ug/ka	1
01496	PCB-1221	11104-28-2	N.D.	66.	ua/ka	1
2			. = .			-



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Lancas	ster Laboratories Sample	No. SW52787	71	Group No. 10772	90	
WC-TLS Troy]	5-02-021208 Composite Soi IRMs /132071 - NY	l Sample				
Collec	cted:02/12/2008 11:55	by JM	1	Account Number: 09	286	
Submit Report Discar	ted: 02/13/2008 10:50 ted: 02/20/2008 at 16:19 td: 05/21/2008			Brown & Caldwell 234 Hudson Ave. Albany NY 12210		
TLS-2				Deve		
CAT			Dry	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor
01497	PCB-1232	11141-16-5	N.D.	66.	ug/kg	1
01498	PCB-1242	53469-21-9	N.D.	66.	ug/kg	1
01499	PCB-1248	12672-29-6	N.D.	66.	ug/kg	1
01500	PCB-1254	11097-69-1	N.D.	66.	ug/kg	1
01501	PCB-1260	11096-82-5	N.D.	66.	ug/kg	1
	Due to the nature of the same	ple matrix, a red	duced aliquo	ot was used		
	for analysis. The reporting	limits were rais	sed accordir	ngly.		
04688	TCL SW846 Semivolatiles Soil	1				
01185	Phenol	108-95-2	N.D.	11,000.	ug/kg	10
01186	2-Chlorophenol	95-57-8	N.D.	11,000.	ug/kg	10
01187	1,4-Dichlorobenzene	106-46-7	N.D.	11,000.	ug/kg	10
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	11,000.	uq/kq	10
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	11,000.	uq/kq	10
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	11,000.	uq/kq	10
01191	Acenaphthene	83-32-9	350,000.	110,000.	uq/kq	100
01192	4-Nitrophenol	100-02-7	N.D.	33,000.	uq/kq	10
01193	2,4-Dinitrotoluene	121-14-2	18,000.	11,000.	uq/kq	10
01194	Pentachlorophenol	87-86-5	N.D.	33,000.	uq/kq	10
01195	Pvrene	129-00-0	1,200,000	110,000.	uq/kq	100
03746	2-Nitrophenol	88-75-5	N.D.	11,000.	uq/kq	10
03747	2.4-Dimethylphenol	105-67-9	N.D.	11,000.	ug/kg	10
03748	2.4-Dichlorophenol	120-83-2	N.D.	11,000.	ug/kg	10
03749	2.4.6-Trichlorophenol	88-06-2	N.D.	11,000.	ug/kg	10
03750	2.4-Dinitrophenol	51-28-5	N.D.	130,000.	ug/kg	10
03751	4.6-Dinitro-2-methylphenol	534-52-1	N.D.	33.000	ua/ka	10
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	11,000.	ug/kg	10
03754	1.3-Dichlorobenzene	541-73-1	N.D.	11,000.	ug/kg	10
03755	1.2-Dichlorobenzene	95-50-1	N.D.	11,000.	ug/kg	10
03757	Hexachloroethane	67-72-1	N.D.	11,000.	ug/kg	10
03758	Nitrobenzene	98-95-3	N.D.	11,000.	ug/kg	10
03759	Isophorone	78-59-1	N.D.	11,000	ug/kg	10
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	11,000	ug/kg	10
03761	Naphthalene	91-20-3	6.900.000	540.000	ua/ka	500
03762	Hexachlorobutadiene	87-68-3	N.D.	11.000.	ug/kg	10
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	33,000.	ug/kg	10
03764	2-Chloronaphthalene	91-58-7	N.D.	11,000.	ug/kg	10
03765	Acenaphthylene	208-96-8	1,000,000	110,000.	ug/kg	100
03766	Dimethylphthalate	131-11-3	N.D.	11.000	ua/ka	10
03767	2.6-Dinitrotoluene	606-20-2	N.D.	11.000	ua/ka	10
03768	Fluorene	86-73-7	830 000	110 000	~9/ ~9	100
55,00	- 1401010	00 10-1	000,000.	110,000.	~31 1.73	700



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Lancaster Laboratories Sample No. SW5278771 WC-TLS-02-021208 Composite Soil Sample Troy IRMs /132071 - NY Collected:02/12/2008 11:55 by JM Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008 Account Number: 09286 Brown & Caldwell 234 Hudson Ave. Albany NY 12210

TLS-2

	Dry							
CAT			Dry	Limit of		Dilution		
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor		
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	11,000.	ug/kg	10		
03770	Diethylphthalate	84-66-2	N.D.	11,000.	ug/kg	10		
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	11,000.	ug/kg	10		
	N-nitrosodiphenylamine decomposed The result reported for N-nitro total of both compounds.	ses in the GC i osodiphenylamin	inlet forming di ne represents th	phenylamine. le combined				
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	11,000.	ug/kg	10		
03774	Hexachlorobenzene	118-74-1	N.D.	11,000.	ug/kg	10		
03775	Phenanthrene	85-01-8	2,000,000.	110,000.	ug/kg	100		
03776	Anthracene	120-12-7	650,000.	110,000.	ug/kg	100		
03777	Di-n-butylphthalate	84-74-2	N.D.	11,000.	ug/kg	10		
03778	Fluoranthene	206-44-0	790,000.	110,000.	ug/kg	100		
03780	Butylbenzylphthalate	85-68-7	N.D.	11,000.	ug/kg	10		
03781	Benzo(a)anthracene	56-55-3	520,000.	110,000.	ug/kg	100		
03782	Chrysene	218-01-9	550,000.	110,000.	ug/kg	100		
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	22,000.	ug/kg	10		
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	22,000.	ug/kg	10		
03785	Di-n-octylphthalate	117-84-0	N.D.	11,000.	ug/kg	10		
03786	Benzo(b)fluoranthene	205-99-2	370,000.	110,000.	ug/kg	100		
03787	Benzo(k)fluoranthene	207-08-9	130,000.	11,000.	ug/kg	10		
03788	Benzo(a)pyrene	50-32-8	490,000.	110,000.	ug/kg	100		
03789	Indeno(1,2,3-cd)pyrene	193-39-5	170,000.	11,000.	ug/kg	10		
03790	Dibenz(a,h)anthracene	53-70-3	73,000.	11,000.	ug/kg	10		
03791	Benzo(g,h,i)perylene	191-24-2	210,000.	11,000.	ug/kg	10		
04690	2-Methylphenol	95-48-7	N.D.	11,000.	ug/kg	10		
04691	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	11,000.	ug/kg	10		
04692	4-Methylphenol	106-44-5	N.D.	11,000.	ug/kg	10		
04693	3-Methylphenol and 4-methylphenol chromatographic conditions used for 4-methylphenol represents 4-Chloroaniline	nol cannot be m d for sample and the combined to 106-47-8	resolved under t alysis. The res btal of both com	he sult reported spounds.	ua/ka	10		
04694	2-Methylnaphthalene	91-57-6	2.300.000	110.000	ug/kg	100		
04695	2.4.5-Trichlorophenol	95-95-4	N.D.	11.000.	ug/kg	10		
04696	2-Nitroaniline	88-74-4	N D	11 000	ug/kg	10		
04697	3-Nitroaniline	99-09-2	N D	11 000	ug/kg	10		
04698	Dibenzofuran	132-64-9	100 000	11 000	ug/kg	10		
04000	4-Nitroaniline	100-01-6	N D	11,000.	ug/kg	10		
04702	Carbazole	86-74-8	31 000	11 000	ug/kg	10		
51/02	Due to sample matrix interfere	nces observed (Juring the evtra	ction the	ad va	±0		
	normal reporting limits were no	ot attained.	and the chera					

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.



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Lancaster Laboratories Sample No. SW5278771

Group No. 1077290

Account Number: 09286

Brown & Caldwell

234 Hudson Ave.

Albany NY 12210

WC-TLS-02-021208 Composite Soil Sample Troy IRMs /132071 - NY

Collected:02/12/2008 11:55 by JM

Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008

TLS-2

CAT			Dry	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor
06292	TCL by 8260 (soil)					
05444	Chloromethane	74-87-3	N.D.	3,000.	ug/kg	469.04
05445	Vinyl Chloride	75-01-4	N.D.	3,000.	ug/kg	469.04
05446	Bromomethane	74-83-9	N.D.	3,000.	ug/kg	469.04
05447	Chloroethane	75-00-3	N.D.	3,000.	ug/kg	469.04
05449	1,1-Dichloroethene	75-35-4	N.D.	3,000.	ug/kg	469.04
05450	Methylene Chloride	75-09-2	N.D.	3,000.	ug/kg	469.04
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	3,000.	ug/kg	469.04
05452	1,1-Dichloroethane	75-34-3	N.D.	3,000.	ug/kg	469.04
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	3,000.	ug/kg	469.04
05455	Chloroform	67-66-3	N.D.	3,000.	ug/kg	469.04
05457	1,1,1-Trichloroethane	71-55-6	N.D.	3,000.	ug/kg	469.04
05458	Carbon Tetrachloride	56-23-5	N.D.	3,000.	ug/kg	469.04
05460	Benzene	71-43-2	950,000.	30,000.	ug/kg	4690.43
05461	1,2-Dichloroethane	107-06-2	N.D.	3,000.	ug/kg	469.04
05462	Trichloroethene	79-01-6	N.D.	3,000.	ug/kg	469.04
05463	1,2-Dichloropropane	78-87-5	N.D.	3,000.	ug/kg	469.04
05465	Bromodichloromethane	75-27-4	N.D.	3,000.	ug/kg	469.04
05466	Toluene	108-88-3	1,200,000.	30,000.	ug/kg	4690.43
05467	1,1,2-Trichloroethane	79-00-5	N.D.	3,000.	ug/kg	469.04
05468	Tetrachloroethene	127-18-4	N.D.	3,000.	ug/kg	469.04
05470	Dibromochloromethane	124-48-1	N.D.	3,000.	ug/kg	469.04
05472	Chlorobenzene	108-90-7	N.D.	3,000.	ug/kg	469.04
05474	Ethylbenzene	100-41-4	780,000.	30,000.	ug/kg	4690.43
05477	Styrene	100-42-5	200,000.	30,000.	ug/kg	4690.43
05478	Bromoform	75-25-2	N.D.	3,000.	ug/kg	469.04
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	3,000.	ug/kg	469.04
06293	Acetone	67-64-1	N.D.	12,000.	ug/kg	469.04
06294	Carbon Disulfide	75-15-0	N.D.	3,000.	ug/kg	469.04
06296	2-Butanone	78-93-3	N.D.	6,100.	ug/kg	469.04
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	3,000.	ug/kg	469.04
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	3,000.	ug/kg	469.04
06299	4-Methyl-2-pentanone	108-10-1	N.D.	6,100.	ug/kg	469.04
06300	2-Hexanone	591-78-6	N.D.	6,100.	ug/kg	469.04
06301	Xylene (Total)	1330-20-7	760,000.	30,000.	ug/kg	4690.43

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.



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Lancaster Laboratories Sample No. SW5278771

Group No. 1077290

Account Number: 09286

Brown & Caldwell

234 Hudson Ave.

Albany NY 12210

WC-TLS-02-021208 Composite Soil Sample Troy IRMs /132071 - NY

Collected:02/12/2008 11:55 by JM

Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008

TLS-2

Laboratory Chronicle

CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
08270	TPH-DRO by 8015B	SW-846 8015B	1	02/18/2008 12:45	Diane V Do	250
00159	Mercury	SW-846 7471A	1	02/15/2008 11:52	Damary Valentin	1
06935	Arsenic	SW-846 6010B	2	02/18/2008 05:15	Tara L Snyder	1
06936	Selenium	SW-846 6010B	2	02/17/2008 23:12	Tara L Snyder	1
06946	Barium	SW-846 6010B	4	02/18/2008 17:22	Eric L Eby	1
06949	Cadmium	SW-846 6010B	1	02/19/2008 18:51	Eric L Eby	5
06951	Chromium	SW-846 6010B	1	02/17/2008 23:12	Tara L Snyder	1
06955	Lead	SW-846 6010B	2	02/17/2008 23:12	Tara L Snyder	1
06966	Silver	SW-846 6010B	1	02/18/2008 17:22	Eric L Eby	1
00111	Moisture	SM20 2540 G	1	02/14/2008 15:11	Scott W Freisher	1
00542	Ignitability	40 CFR 261.21	1	02/17/2008 04:40	Daniel S Smith	1
01121	Reactivity	SW-846 Chapter 7.3	1	02/18/2008 09:30	Susan E Hibner	1
01122	Sulfide (Reactivity)	SW-846 9034	1	02/18/2008 09:30	Susan E Hibner	1
01123	Cyanide (Reactivity)	SW-846 9012A modifie	d 1	02/19/2008 10:49	William L Hamaker Jr	1
05895	Total Cyanide (solid)	SW-846 9012A	1	02/18/2008 10:35	Nicole M Kepley	1
01216	PCBs in Solids	SW-846 8082	1	02/18/2008 15:05	Jamie L Brillhart	1
04688	TCL SW846 Semivolatiles Soil	SW-846 8270C	1	02/18/2008 03:17	William T Parker	10
04688	TCL SW846 Semivolatiles Soil	SW-846 8270C	1	02/19/2008 12:44	Ryan P Byrne	500
04688	TCL SW846 Semivolatiles Soil	SW-846 8270C	1	02/19/2008 13:07	Ryan P Byrne	100
06292	TCL by 8260 (soil)	SW-846 8260B	1	02/18/2008 10:55	Stephanie A Selis	469.04
06292	TCL by 8260 (soil)	SW-846 8260B	1	02/18/2008 11:17	Stephanie A Selis	4690.4 3
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	02/13/2008 16:10	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	02/13/2008 16:09	Eric L Vera	n.a.
00381	BNA Soil Extraction	SW-846 3550B	1	02/15/2008 16:05	Adrienne E Fellenbaum	ı 1
00819	Solid Sample Pesticide Extract	SW-846 3550B	1	02/14/2008 18:35	Sally L Appleyard	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	02/14/2008 20:30	Annamaria Stipkovits	1
05708	SW SW846 ICP Digest	SW-846 3050B	2	02/16/2008 09:55	Mirit S Shenouda	1
05711	SW SW846 Hg Digest	SW-846 7471A modifie	d 1	02/14/2008 23:55	Annamaria Stipkovits	1
05896	Cyanide Solid Distillation	SW-846 9012A	1	02/14/2008 00:20	Carolyn M Mastropietro	1
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	02/13/2008 16:08	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	02/15/2008 09:55	Jessica Agosto	1



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Lancaster Laboratories Sample 1	No. TL5278772	Group No. 1077290
WC-TLS-02-021208 Composite Soi TCLP NON-VOLATILE EXTRACTION Troy IRMs /132071 - NY	l Sample	
Collected:02/12/2008 11:55	by JM	Account Number: 09286
Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008		Brown & Caldwell 234 Hudson Ave. Albany NY 12210

TL2NV

				As Received		
CAT			As Received	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor
00259	Mercury	7439-97-6	N.D.	0.00020	mg/l	1
07035	Arsenic	7440-38-2	N.D.	0.0200	mg/l	1
07036	Selenium	7782-49-2	N.D.	0.0200	mg/l	1
07046	Barium	7440-39-3	0.734	0.0050	mg/l	1
07049	Cadmium	7440-43-9	N.D.	0.0050	mg/l	1
07051	Chromium	7440-47-3	N.D.	0.0150	mg/l	1
07055	Lead	7439-92-1	N.D.	0.0150	mg/l	1
07066	Silver	7440-22-4	N.D.	0.0050	mg/l	1
00950	TCLP Pesticides					
01972	Gamma BHC - Lindane	58-89-9	< 0.000050	0.000050	mg/l	1
01973	Heptachlor	76-44-8	N.D.	0.000050	mg/l	1
01974	Heptachlor Epoxide	1024-57-3	N.D.	0.000050	mg/l	1
01975	Methoxychlor	72-43-5	N.D.	0.00050	mg/l	1
01976	Endrin	72-20-8	N.D.	0.00010	mg/l	1
01977	Chlordane	57-74-9	N.D.	0.0025	mg/l	1
01978	Toxaphene	8001-35-2	N.D.	0.015	mg/l	1
00952	TCLP Herbicides					
01979	2,4-D	94-75-7	N.D.	0.010	mg/l	1
01980	2,4,5-TP	93-72-1	< 0.0010	0.0010	mg/l	1
	Due to interfering peaks on the	chromatogram,	the values repo	orted represent		
	the lowest reporting limits att	ainable.				
00949	TCLP Acid Base/Neutrals					
03324	Pyridine	110-86-1	N.D.	0.050	mg/l	1
03325	1,4-Dichlorobenzene	106-46-7	N.D.	0.050	mg/l	1
03326	2-Methylphenol	95-48-7	< 0.050	0.050	mg/l	1
03327	4-Methylphenol	106-44-5	N.D.	0.050	mg/l	1
	3-Methylphenol and 4-methylphen chromatographic conditions used for 4-methylphenol represents t	ol cannot be n for sample ar he combined to	resolved under the alysis. The resu tal of both comp	ne alt reported bounds.	<i>(</i> -	
03328	Hexachloroethane	67-72-1	N.D.	0.050	mg/l	1
03329	Nitrobenzene	98-95-3	N.D.	0.050	mg/1	1
03330	Hexachlorobutadiene	87-68-3	N.D.	0.050	mg/l	1
03331	2,4,6-'frichlorophenol	88-06-2	N.D.	0.050	mg/l	1
03332	2,4,5-Trichlorophenol	95-95-4	N.D.	0.050	mg/l	1
03333	2,4-Dinitrotoluene	121-14-2	N.D.	0.050	mg/l	1
03334	Hexachlorobenzene	118-74-1	N.D.	0.050	mg/l	1



Analysis Report

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Lancaster Laboratories Sample	No. TL5278772	Group No. 1077290
WC-TLS-02-021208 Composite Soi TCLP NON-VOLATILE EXTRACTION Troy IRMs /132071 - NY	l Sample	
Collected:02/12/2008 11:55	by JM	Account Number: 09286
Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008		Brown & Caldwell 234 Hudson Ave. Albany NY 12210
TL2NV		

				As Received		
CAT			As Received	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor
03335	Pentachlorophenol	87-86-5	N.D.	0.13	mg/l	1

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

			0111 0.			
CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
00259	Mercury	SW-846 7470A	1	02/18/2008 08:21	Damary Valentin	1
07035	Arsenic	SW-846 6010B	1	02/18/2008 23:34	John P Hook	1
07036	Selenium	SW-846 6010B	1	02/18/2008 23:34	John P Hook	1
07046	Barium	SW-846 6010B	1	02/18/2008 23:34	John P Hook	1
07049	Cadmium	SW-846 6010B	1	02/18/2008 23:34	John P Hook	1
07051	Chromium	SW-846 6010B	1	02/18/2008 23:34	John P Hook	1
07055	Lead	SW-846 6010B	1	02/18/2008 23:34	John P Hook	1
07066	Silver	SW-846 6010B	1	02/18/2008 23:34	John P Hook	1
00950	TCLP Pesticides	SW-846 8081A	1	02/18/2008 15:31	Lindsey K Lafferty	1
00952	TCLP Herbicides	SW-846 8151A	1	02/18/2008 22:09	Michele D Hamilton	1
00949	TCLP Acid Base/Neutrals	SW-846 8270C	1	02/19/2008 10:44	Ryan P Byrne	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	02/16/2008 07:45	Deborah M Zimmerman	1
00817	Water Sample Pest. Extraction	SW-846 3510C	1	02/15/2008 17:00	JoElla L Rice	1
00947	TCLP Non-volatile Extraction	SW-846 1311	1	02/14/2008 11:40	Jeremy L Weaver	n.a.
04731	TCLP Leachate Extraction	SW-846 3510C	1	02/15/2008 14:00	Mariam G Attalla	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	02/18/2008 13:50	Mirit S Shenouda	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	02/15/2008 18:40	Nelli S Markaryan	1



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Lancaster Laboratories Sample M	No. TL5278773	Group No. 1077290
WC-TLS-02-021208 Composite Soil TCLP ZERO HEADSPACE EXTRACTION Troy IRMs /132071 - NY	Sample	
Collected:02/12/2008 11:55	by JM	Account Number: 09286
Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008		Brown & Caldwell 234 Hudson Ave. Albany NY 12210

TL2ZH

				As Received		
CAT			As Received	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor
03636	TCLP by 8260					
05386	Vinyl Chloride	75-01-4	N.D.	0.10	mg/l	20
05390	1,1-Dichloroethene	75-35-4	N.D.	0.10	mg/l	20
05396	Chloroform	67-66-3	N.D.	0.10	mg/l	20
05399	Carbon Tetrachloride	56-23-5	N.D.	0.10	mg/l	20
05401	Benzene	71-43-2	9.7	0.25	mg/l	50
05402	1,2-Dichloroethane	107-06-2	N.D.	0.10	mg/l	20
05403	Trichloroethene	79-01-6	N.D.	0.10	mg/l	20
05409	Tetrachloroethene	127-18-4	N.D.	0.10	mg/l	20
05413	Chlorobenzene	108-90-7	N.D.	0.10	mg/l	20
06305	2-Butanone	78-93-3	N.D.	0.20	mg/l	20

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

		Laborator	y Chro	nicle		
CAT		-	•	Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
03636	TCLP by 8260	SW-846 8260B	1	02/19/2008 11:08	Stephanie A Selis	20
03636	TCLP by 8260	SW-846 8260B	1	02/19/2008 12:18	Stephanie A Selis	50
00946	TCLP Zero Headspace Extraction	SW-846 1311	1	02/14/2008 16:20	James J McCaw	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/19/2008 11:08	Stephanie A Selis	20
01163	GC/MS VOA Water Prep	SW-846 5030B	2	02/19/2008 12:18	Stephanie A Selis	50

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
С	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	I	liter(s)
mĪ	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml

 less than – The number following the sign is the <u>limit of quantitation</u>, the smallest amount of analyte which can be reliably determined using this specific test.

- > greater than
- ppm parts per million One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.
- ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

- **A** TIC is a possible aldol-condensation product
- **B** Analyte was also detected in the blank
- C Pesticide result confirmed by GC/MS
- **D** Compound quatitated on a diluted sample
- E Concentration exceeds the calibration range of the instrument
- J Estimated value
- **N** Presumptive evidence of a compound (TICs only)
- **P** Concentration difference between primary and confirmation columns >25%
- **U** Compound was not detected
- **X,Y,Z** Defined in case narrative

Inorganic Qualifiers

- B Value is <CRDL, but ≥IDL
- **E** Estimated due to interference
- **M** Duplicate injection precision not met
- **N** Spike amount not within control limits
- S Method of standard additions (MSA) used for calculation
- U Compound was not detected
- W Post digestion spike out of control limits
- * Duplicate analysis not within control limits
- + Correlation coefficient for MSA < 0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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02/20/08

Technical Report for

Brown & Caldwell

Troy-TLS/OWS IRMs, Water Street, Troy, NY

132071.405

Accutest Job Number: J83332

Sampling Date: 02/12/08

Report to:

Brown & Caldwell

imarolda@brwncald.com

ATTN: James Marolda

Total number of pages in report: 9



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

/incent J. Pugliese President



Client Service contact: Tony Esposito 732-329-0200

Certifications: NJ(12129). NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.





1 2 3

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2.3: J83332-3: WC-TLS-02-021208	7
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Sample Summary

Brown & Caldwell

Job No: J83332

Troy-TLS/OWS IRMs, Water Street, Troy, NY Project No: 132071.405

Sample Number	Collected Date	Time By	Received	Matr Code	ix Type	Client Sample ID
J83332-1	02/12/08	08:45 JLM	02/13/08	SO	Soil	WC-OWS-021208
J83332-2	02/12/08	10:30 JLM	02/13/08	SO	Soil	WC-TLS-01-021208
J83332-3	02/12/08	11:55 JLM	02/13/08	SO	Soil	WC-TLS-02-021208

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





Sample Results

Report of Analysis



64.9

Solids, Percent

Client Sample ID: Lab Sample ID: Matrix:	WC-OWS-021208 J83332-1 SO - Soil			Date Sampled: 02/12/08 Date Received: 02/13/08 Percent Solids: 64.9					
Project:	Troy-TLS/OWS IRMs, Water Street, Troy, NY								
General Chemistry	r								
Analyte	Result	RL	Units	DF	Analyzed	Ву	Method		
Heat Content, BTU	33200		BTU/lb	1	02/18/08	RA	ASTM D240-92		
Percent Sulfur	0.36	0.10	%	1	02/16/08	JOO	ASTM D129-95		

%

1

02/15/08

NS

EPA 160.3 M

Report of Analysis





18400

0.45

87.3

Heat Content, BTU

Percent Sulfur

Solids, Percent

Analyte	Result	RL	Units	DF	Analyzed	Ву	Method	
General Chemistry	,							
Project:	Troy-TLS/OWS IRM	s, Water St	treet, Troy,	NY				
				Perce	nt Solids: 87.3			
Matrix:	SO - Soil			Date	Received: 02/1	3/08		
Lab Sample ID:	J83332-2			Date	Sampled: 02/1	2/08		
Client Sample ID:	WC-TLS-01-021208							

BTU/lb

%

%

0.10

1

1

1

02/18/08

02/16/08

02/15/08

RA

NS

JOO

ASTM D240-92

ASTM D129-95

EPA 160.3 M

Report of Analysis

Page 1 of 1



5990

0.58

80.4

Heat Content, BTU

Percent Sulfur

Solids, Percent

Analyte	Result	RL	Units	DF	Analyzed	By	Method
General Chemistry							
Project:	Troy-TLS/OWS IRM	s, Water Si	treet, Troy,	NY			
Matrix:	SO - Soil			Date Perce	Received: 02/13 nt Solids: 80.4	3/08	
Lab Sample ID:	J83332-3			Date S	Sampled: 02/12	2/08	
Client Sample ID:	WC-TLS-02-021208						

BTU/lb

%

%

0.10

1

1

1

02/18/08

02/16/08

02/15/08

Report of Analysis

Page 1 of 1

ASTM D240-92

ASTM D129-95

EPA 160.3 M

RA

NS

JOO

RL = Reporting Limit





Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

Chain of Custody



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J83332: Chain of Custody Page 1 of 1



ц та СЗ Water Waste Characterization

BROWN AND CALDWELL





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ANALYTICAL RESULTS

Prepared for:

Brown & Caldwell 234 Hudson Ave. Albany NY 12210

518-472-1988

Prepared by:

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1077290. Samples arrived at the laboratory on Wednesday, February 13, 2008. The PO# for this group is 132071.

Client Description	Lancaster Labs Number
WC-OWS-021208 Grab Water Sample	5278762
WC-OWS-021208 Composite Soil Sample	5278763
WC-OWS-021208 Composite Soil Sample	5278764
WC-OWS-021208 Composite Soil Sample	5278765
WC-TLS-021208 Grab Water Sample	5278766
WC-TLS-01-021208 Composite Soil Sample	5278767
WC-TLS-01-021208 Composite Soil Sample	5278768
WC-TLS-01-021208 Composite Soil Sample	5278769
WC-TLS-02-021208 Grab Water Sample	5278770
WC-TLS-02-021208 Composite Soil Sample	5278771
WC-TLS-02-021208 Composite Soil Sample	5278772
WC-TLS-02-021208 Composite Soil Sample	5278773

1 COPY TO

Brown & Caldwell

Attn: Jim Marolda





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Questions? Contact your Client Services Representative Richard C Entz at (717) 656-2300

Respectfully Submitted,



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Page 1 of 5

Lancaster Laboratories Sample No. WW5278762			52 G:	2 Group No. 1077290					
WC-OWS Troy I	-021208 Grab Water Sample RMs /132071 - NY								
Collec	ted:02/12/2008 08:00	ру ЈМ	Acco	unt Number: 092	286				
Submit Report Discar	ted: 02/13/2008 10:50 ed: 02/20/2008 at 16:19 d: 05/21/2008		Brown 234 1 Alban	n & Caldwell Hudson Ave. ny NY 12210					
005-0				As Received					
CAT			As Received	Limit of		Dilution			
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor			
00259	Mercury	7439-97-6	< 0.00020	0.00020	mg/l	1			
07035	Arsenic	7440-38-2	N.D.	0.0200	mg/l	1			
07036	Selenium	7782-49-2	N.D.	0.0200	mg/l	1			
07046	Barium	7440-39-3	0.140	0.0050	mg/l	1			
07049	Cadmium	7440-43-9	N.D.	0.0050	mg/l	1			
07051	Chromium	7440-47-3	N.D.	0.0150	mg/l	1			
07055	Lead	7439-92-1	0.0260	0.0150	mg/l	1			
07066	Silver	7440-22-4	N.D.	0.0050	mg/l	1			
00200	рН	n.a.	7.1	0.010	Std. Units	1			
	Corrosivity: The pH of the sample is 7.11 in corrosive. A sample is corrosi 2 or equal to or greater than 1	ndicating that ve if it exhib .2.5.	the sample is no pits a pH equal t	ot to or less than					
01121	Reactivity	n.a.	See Below		see below	1			
	Reactivity: This sample was extracted and a SW-846 Revision 3, December 199 Reactive Cyanide and Reactive S Chapter 7 - December 1996) ider more than 250 mg/kg of hydroger This waste is not considered has standard. These results do not July 14, 2005, EPA published a the Interim Guidance and the me is no specific guidance or a me	analyzed by the 96 - Chapter 7. Sulfide (SW-846 atifies a react a cyanide or 50 azardous due to reflect total rule in the Fe ethod reference ethod to be use	e interim method 3. The Interim 5 Sections 7.3.3 tive material as 00 mg/kg of hydro 0 reactivity base 1 cyanide or tota ederal Register to ed above. At the ed to evaluate "F	described in Guidance for and 7.3.4 of generating ogen sulfide. ed on that al sulfide. On that removed is time there Reactivity".					
01122	Sulfide (Reactivity)	n.a.	N.D.	160.	mg/kg	1			
01123	Cyanide (Reactivity)	n.a.	N.D.	98.9	mg/kg	1			
00173	PCBs in Water								
00639	PCB-1016	12674-11-2	N.D.	0.50	ug/l	1			
00640	PCB-1221	11104-28-2	N.D.	0.50	ug/l	1			
00641	PCB-1232	11141-16-5	N.D.	0.50	ug/l	1			
00642	PCB-1242	53469-21-9	N.D.	0.50	ug/l	1			
00643	PCB-1248	12672-29-6	N.D.	0.50	ug/l	1			
00644	PCB-1254	11097-69-1	N.D.	0.50	ug/l	1			
00645	PCB-1260	11096-82-5	N.D.	0.50	ug/l	1			

04678 TCL SW846 Semivolatiles/Waters



Discard: 05/21/2008

Analysis Report

Albany NY 12210

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Page 2 of 5

Lancaster Laboratories Sample	No. WW5278762	Group No. 1077290
WC-OWS-021208 Grab Water Sampl Troy IRMs /132071 - NY	e	
Collected:02/12/2008 08:00	by JM	Account Number: 09286
Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19		Brown & Caldwell 234 Hudson Ave.

OWS-W

				As Received		
CAT			As Received	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor
03871	4-Chloroaniline	106-47-8	N.D.	5.	ug/l	1
03879	Dibenzofuran	132-64-9	N.D.	5.	uq/l	1
03905	2-Methylnaphthalene	91-57-6	28.	5.	uq/l	1
03907	2-Nitroaniline	88-74-4	N.D.	5.	uq/l	1
03908	3-Nitroaniline	99-09-2	N.D.	5.	ug/l	1
03909	4-Nitroaniline	100-01-6	N.D.	5.	ug/l	1
03922	2,4,5-Trichlorophenol	95-95-4	N.D.	5.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	5.	ug/l	1
03925	Phenol	108-95-2	5.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	10.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	61.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	31.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	15.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	15.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	5.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	5.	ug/l	1
03947	Naphthalene	91-20-3	95.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	15.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	< 5.	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	5.	ug/l	1
03954	Acenaphthene	83-32-9	12.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	5.	ug/l	1
03956	Fluorene	86-73-7	< 5.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	5.	ug/l	1



05391 Methylene Chloride

05392 trans-1,2-Dichloroethene 05393 1,1-Dichloroethane

Analysis Report

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Page 3 of 5

Lancaster Laboratories Sample 1	No. WW5278762	Group No. 1077290
WC-OWS-021208 Grab Water Sample Troy IRMs /132071 - NY	e	
Collected:02/12/2008 08:00	by JM	Account Number: 09286
Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008		Brown & Caldwell 234 Hudson Ave. Albany NY 12210

OWS-W

				As Received		
CAT			As Received	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor
	N-nitrosodiphenylamine decomposition The result reported for N-nitro total of both compounds.	ses in the GC osodiphenylami	inlet forming dip ne represents the	phenylamine. e combined		
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	5.	ug/l	1
03963	Phenanthrene	85-01-8	7.	5.	ug/l	1
03964	Anthracene	120-12-7	< 5.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	5.	ug/l	1
03966	Fluoranthene	206-44-0	< 5.	5.	ug/l	1
03967	Pyrene	129-00-0	6.	5.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	< 5.	5.	ug/l	1
03971	Chrysene	218-01-9	< 5.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	< 5.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	< 5.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	< 5.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	< 5.	5.	ug/l	1
04680	2-Methylphenol	95-48-7	N.D.	5.	ug/l	1
04681	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	5.	ug/l	1
04682	4-Methylphenol	106-44-5	N.D.	5.	ug/l	1
04684	3-Methylphenol and 4-methylphenol chromatographic conditions used for 4-methylphenol represents Carbazole	nol cannot be d for sample a the combined t 86-74-8	resolved under th nalysis. The resu otal of both comp N.D.	he ult reported pounds. 5.	ug/l	1
	The LCS recovery is outside the	e stated QC wi	ndow but within t	the marginal		
	exceedance allowance of +/- 4	standard devia	tions as defined	in the NELAC		
	Standards. The following analy dimethylphthalate	ytes are accep	ted based on this	s allowance:		
06291	TCL by 8260 (water)					
05385	Chloromethane	74-87-3	N.D.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	5.	ug/l	1

75-09-2

156-60-5

75-34-3

N.D.

N.D.

N.D.

5.

5.

5.

ug/l

ug/l

ug/l

1

1

1



As Received

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Lancaster Laboratories Sample N	io. WW5278762	Group No. 1077290
WC-OWS-021208 Grab Water Sample Troy IRMs /132071 - NY	1	
Collected:02/12/2008 08:00	by JM	Account Number: 09286
Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008		Brown & Caldwell 234 Hudson Ave. Albany NY 12210
OWS-W		

CAT			As Received	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	5.	ug/l	1
05401	Benzene	71-43-2	740.	25.	ug/l	5
05402	1,2-Dichloroethane	107-06-2	N.D.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	5.	ug/l	1
05407	Toluene	108-88-3	18.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	33.	5.	ug/l	1
05418	Styrene	100-42-5	N.D.	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	5.	ug/l	1
06302	Acetone	67-64-1	N.D.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	5.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	10.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	10.	ug/l	1
06310	Xylene (Total)	1330-20-7	85.	5.	ug/l	1

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle						
CAT			-	Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
00259	Mercury	SW-846 7470A	1	02/15/2008 08:35	Damary Valentin	1
07035	Arsenic	SW-846 6010B	1	02/15/2008 04:47	Choon Y Tian	1
07036	Selenium	SW-846 6010B	1	02/15/2008 04:47	Choon Y Tian	1
07046	Barium	SW-846 6010B	1	02/15/2008 04:47	Choon Y Tian	1
07049	Cadmium	SW-846 6010B	1	02/15/2008 04:47	Choon Y Tian	1



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Lancas	ter Laboratories Sample	No.	WW5278762		Group No. 3	10772	90	
WC-OWS Troy I	-021208 Grab Water Samp] RMs /132071 - NY	Le						
Collec	ted:02/12/2008 08:00	by J	М	A	ccount Number	r: 09	286	
Submit Report Discar	Submitted: 02/13/2008 10:50 Brown & Caldwell Reported: 02/20/2008 at 16:19 234 Hudson Ave. Discard: 05/21/2008 Albany NY 12210							
OWS-W								
07051	Chromium	SW-846	6010B	1	02/15/2008 04:	:47	Choon Y Tian	1
07055	Lead	SW-846	6010B	1	02/15/2008 04:	:47	Choon Y Tian	1
07066	Silver	SW-846	6010B	1	02/15/2008 04:	:47	Choon Y Tian	1
00200	рН	SW-846	9040B	1	02/13/2008 19:	:00	Luz M Groff	1
00496	Corrosivity	SW-846	Chapter 7	1	02/13/2008 19:	:00	Luz M Groff	1
01121	Reactivity	SW-846	Chapter 7.3	1	02/18/2008 09:	:30	Susan E Hibner	1
01122	Sulfide (Reactivity)	SW-846	9034	1	02/18/2008 09:	:30	Susan E Hibner	1
01123	Cyanide (Reactivity)	SW-846	9012A modified	1	02/19/2008 10:	:41	William L Hamaker Jr	1
00173	PCBs in Water	SW-846	8082	1	02/18/2008 13:	:12	Jamie L Brillhart	1
04678	TCL SW846 Semivolatiles/Waters	SW-846	8270C	1	02/15/2008 08:	:21	Linda M Hartenstine	1
06291	TCL by 8260 (water)	SW-846	8260B	1	02/15/2008 16:	:48	Kathrine K Muramatsu	1
06291	TCL by 8260 (water)	SW-846	8260B	1	02/15/2008 17:	:11	Kathrine K Muramatsu	5
00813	BNA Water Extraction	SW-846	3510C	1	02/14/2008 14:	:45	Eric M Walker	1
00817	Water Sample Pest. Extraction	SW-846	3510C	1	02/15/2008 03:	:45	Sherry L Morrow	1
01163	GC/MS VOA Water Prep	SW-846	5030B	1	02/15/2008 16:	:48	Kathrine K Muramatsu	1
01163	GC/MS VOA Water Prep	SW-846	5030B	2	02/15/2008 17:	:11	Kathrine K Muramatsu	5
05705	WW/TL SW 846 ICP Digest (tot)	SW-846	3010A	1	02/14/2008 19:	:35	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846	7470A	1	02/14/2008 19:	:40	Nelli S Markaryan	1



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Lancas	ter Laboratories Sample N	o. WW527876	56 G:	roup No. 10772	90	
WC-TLS Troy I	-021208 Grab Water Sample RMs /132071 - NY					
Collec	ted:02/12/2008 09:20	by JM	Acco	unt Number: 092	286	
Submit Report Discar	ted: 02/13/2008 10:50 ed: 02/20/2008 at 16:19 d: 05/21/2008		Brown 234 1 Alban	n & Caldwell Hudson Ave. ny NY 12210		
1772-M				As Received		
CAT			As Received	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor
00259	Mercury	7439-97-6	0.0248	0.0020	mg/l	10
07035	Arsenic	7440-38-2	0.0788	0.0200	mg/l	1
07036	Selenium	7782-49-2	N.D.	0.0200	mg/l	1
07046	Barium	7440-39-3	0.521	0.0050	mg/l	1
07049	Cadmium	7440-43-9	< 0.0050	0.0050	mg/l	1
07051	Chromium	7440-47-3	0.0698	0.0150	mg/l	1
07055	Lead	7439-92-1	1.16	0.0150	mg/l	1
07066	Silver	7440-22-4	N.D.	0.0050	mg/l	1
00200	рН	n.a.	7.6	0.010	Std.	1
00496	Corrosivity	n.a.	See Below		Units	1
01121	The pH of the sample is 7.64 in corrosive. A sample is corros: 2 or equal to or greater than 3 Reactivity	ndicating that ive if it exhik 12.5. n.a.	the sample is no bits a pH equal t See Below	ot to or less than	see	1
01122	Reactivity: This sample was extracted and a SW-846 Revision 3, December 199 Reactive Cyanide and Reactive 3 Chapter 7 - December 1996) ider more than 250 mg/kg of hydroger This waste is not considered ha standard. These results do not July 14, 2005, EPA published a the Interim Guidance and the me is no specific guidance or a me Sulfide (Reactivity)	analyzed by the 96 - Chapter 7 Sulfide (SW-846 ntifies a react n cyanide or 50 azardous due to t reflect total rule in the Fe ethod reference ethod to be use	e interim method 3. The Interim 5 Sections 7.3.3 tive material as 00 mg/kg of hydro b reactivity base 1 cyanide or tota ederal Register t ed above. At the ed to evaluate "F	described in Guidance for and 7.3.4 of generating ogen sulfide. ed on that al sulfide. On that removed is time there Reactivity". 160	ma / ka	1
01122	Sulfide (Reactivity)	n.a.	N.D.	160.	mg/kg	1
01123	Cyanide (Reactivity)	n.a.	N.D.	96.0	mg/kg	T
00173	PCBs in Water					
00639	PCB-1016	12674-11-2	N.D.	2.5	ug/l	1
00640	PCB-1221	11104-28-2	N.D.	2.5	uq/l	1
00641	PCB-1232	11141-16-5	N.D.	2.5	uq/l	1
00642	PCB-1242	53469-21-9	N.D.	2.5	ug/l	1
00643	PCB-1248	12672-29-6	N.D.	2.5	uq/1	1
00644	PCB-1254	11097-69-1	2.6	2.5	ug/1	-
00645	PCB-1260	11096-82-5	3.7	2.5	ug/1	- 1
	Due to the nature of the sample	e matrix a rec	duced alignet was	s used	~5/ 1	-
	for analysis. The reporting 1:	imits were rais	sed accordingly.	uscu		



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Lancaster Laboratories Sample 1	No. WW5278766	Group No. 1077290
WC-TLS-021208 Grab Water Sample Troy IRMs /132071 - NY	e	
Collected:02/12/2008 09:20	by JM	Account Number: 09286
Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008		Brown & Caldwell 234 Hudson Ave. Albany NY 12210

TLS-W

				As Received		
CAT			As Received	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor
04678	TCL SW846 Semivolatiles/Waters					
03871	4-Chloroaniline	106-47-8	N.D.	50.	ug/l	1
03879	Dibenzofuran	132-64-9	65.	50.	ug/l	1
03905	2-Methylnaphthalene	91-57-6	280.	50.	ug/l	1
03907	2-Nitroaniline	88-74-4	N.D.	50.	ug/l	1
03908	3-Nitroaniline	99-09-2	N.D.	50.	ug/l	1
03909	4-Nitroaniline	100-01-6	N.D.	50.	ug/l	1
03922	2,4,5-Trichlorophenol	95-95-4	N.D.	50.	ug/l	1
03924	2-Chlorophenol	95-57-8	N.D.	50.	ug/l	1
03925	Phenol	108-95-2	N.D.	50.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	50.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	100.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	50.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	50.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	50.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	600.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	300.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	150.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	150.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	50.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	50.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	50.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	50.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	50.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	50.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	50.	ug/l	1
03944	Isophorone	78-59-1	N.D.	50.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	50.	ug/l	1
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	50.	ug/l	1
03947	Naphthalene	91-20-3	2,200.	250.	ug/l	5
03948	Hexachlorobutadiene	87-68-3	N.D.	50.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	150.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	50.	ug/l	1
03951	Acenaphthylene	208-96-8	90.	50.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	50.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	50.	ug/l	1
03954	Acenaphthene	83-32-9	120.	50.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	50.	ug/l	1
03956	Fluorene	86-73-7	140.	50.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	50.	ug/l	1



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Lancaster Laboratories Sample M	No. WW5278766	Group No. 1077290
WC-TLS-021208 Grab Water Sample Troy IRMs /132071 - NY	2	
Collected:02/12/2008 09:20	by JM	Account Number: 09286
Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008		Brown & Caldwell 234 Hudson Ave. Albany NY 12210

TLS-W

CAT			As Peceived	As Received		Dilution
No	Analygig Name	CAS Number	AS RECEIVED	Quantitation	Unite	Factor
03958	Diethylphthalate	84-66-2	ND	50	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	50.	ug/1	1
00000	N-nitrosodiphenylamine decompos The result reported for N-nitro total of both compounds.	es in the GC i sodiphenylamin	inlet forming dip ne represents the	phenylamine. combined	ug/ 1	÷
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	50.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	50.	ug/l	1
03963	Phenanthrene	85-01-8	470.	50.	ug/l	1
03964	Anthracene	120-12-7	160.	50.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	50.	ug/l	1
03966	Fluoranthene	206-44-0	400.	50.	ug/l	1
03967	Pyrene	129-00-0	380.	50.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	50.	ug/l	1
03970	Benzo(a) anthracene	56-55-3	210.	50.	ug/l	1
03971	Chrysene	218-01-9	210.	50.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	50.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	50.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	50.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	250.	50.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	94.	50.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	190.	50.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	99.	50.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	< 50.	50.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	110.	50.	ug/l	1
04680	2-Methylphenol	95-48-7	N.D.	50.	ug/l	1
04681	2,2'-oxybis(1-Chloropropane)	108-60-1	N.D.	50.	ug/l	1
04682	4-Methylphenol	106-44-5	N.D.	50.	ug/l	1
04684	3-Methylphenol and 4-methylphen chromatographic conditions used for 4-methylphenol represents t Carbazole The LCS recovery is outside the exceedance allowance of +/- 4 s Standards. The following analy dimethylphthalate	tol cannot be n for sample an he combined to 86-74-8 e stated QC win standard deviat rtes are accept	resolved under th halysis. The resu btal of both comp 52. hdow but within t tions as defined ted based on this	ne alt reported bounds. 50. the marginal in the NELAC s allowance:	ug/l	1
	Due to the nature of the sample analysis. The reporting limits	e matrix, a rec s were raised a	duced aliquot was accordingly.	s used for		

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.

06291 TCL by 8260 (water)



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Lancaster Laboratories Sample	No. WW5278766	Group No. 1077290
WC-TLS-021208 Grab Water Sampl Troy IRMs /132071 - NY	e	
Collected:02/12/2008 09:20	by JM	Account Number: 09286
Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19		Brown & Caldwell 234 Hudson Ave.

TLS-W

Discard: 05/21/2008

				As Received		
CAT			As Received	Limit of		Dilution
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor
05385	Chloromethane	74-87-3	N.D.	5.	ug/l	5
05386	Vinyl Chloride	75-01-4	N.D.	5.	ug/l	5
05387	Bromomethane	74-83-9	N.D.	5.	ug/l	5
05388	Chloroethane	75-00-3	N.D.	5.	ug/l	5
05390	1,1-Dichloroethene	75-35-4	N.D.	4.	ug/l	5
05391	Methylene Chloride	75-09-2	N.D.	10.	ug/l	5
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	4.	ug/l	5
05393	1,1-Dichloroethane	75-34-3	N.D.	5.	ug/l	5
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	4.	ug/l	5
05396	Chloroform	67-66-3	N.D.	4.	ug/l	5
05398	1,1,1-Trichloroethane	71-55-6	N.D.	4.	ug/l	5
05399	Carbon Tetrachloride	56-23-5	N.D.	5.	ug/l	5
05401	Benzene	71-43-2	3,100.	10.	ug/l	20
05402	1,2-Dichloroethane	107-06-2	N.D.	5.	ug/l	5
05403	Trichloroethene	79-01-6	N.D.	5.	ug/l	5
05404	1,2-Dichloropropane	78-87-5	N.D.	5.	ug/l	5
05406	Bromodichloromethane	75-27-4	N.D.	5.	ug/l	5
05407	Toluene	108-88-3	99.	4.	ug/l	5
05408	1,1,2-Trichloroethane	79-00-5	N.D.	4.	ug/l	5
05409	Tetrachloroethene	127-18-4	N.D.	4.	ug/l	5
05411	Dibromochloromethane	124-48-1	N.D.	5.	ug/l	5
05413	Chlorobenzene	108-90-7	N.D.	4.	ug/l	5
05415	Ethylbenzene	100-41-4	670.	4.	ug/l	5
05418	Styrene	100-42-5	N.D.	5.	ug/l	5
05419	Bromoform	75-25-2	N.D.	5.	ug/l	5
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	5.	ug/l	5
06302	Acetone	67-64-1	N.D.	30.	ug/l	5
06303	Carbon Disulfide	75-15-0	N.D.	5.	ug/l	5
06305	2-Butanone	78-93-3	N.D.	15.	ug/l	5
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	5.	ug/l	5
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	5.	ug/l	5
06308	4-Methyl-2-pentanone	108-10-1	N.D.	15.	ug/l	5
06309	2-Hexanone	591-78-6	N.D.	15.	ug/l	5
06310	Xylene (Total)	1330-20-7	500.	4.	ug/l	5

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.



Group No. 1077290

Account Number: 09286

Brown & Caldwell

234 Hudson Ave.

Albany NY 12210

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Lancaster Laboratories Sample No. WW5278766 WC-TLS-021208 Grab Water Sample Troy IRMs /132071 - NY

Collected:02/12/2008 09:20 by JM

Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008

TLS-W

		Labora	tory Chro	nicle			
Сат		LIADOLE	acory chilo	Analveis			Dilution
No.	Analysis Name	Method	Trial#	Date and 1	' 'ime	Analyst	Factor
00259	Mercurv	SW-846 7470A	1	02/15/2008	09:16	Damary Valentin	10
07035	Arsenic	SW-846 6010B	1	02/15/2008	04:27	Choon Y Tian	1
07036	Selenium	SW-846 6010B	1	02/15/2008	04:27	Choon Y Tian	1
07046	Barium	SW-846 6010B	1	02/15/2008	04:27	Choon Y Tian	1
07049	Cadmium	SW-846 6010B	1	02/15/2008	04:27	Choon Y Tian	1
07051	Chromium	SW-846 6010B	1	02/15/2008	04:27	Choon Y Tian	1
07055	Lead	SW-846 6010B	1	02/15/2008	04:27	Choon Y Tian	1
07066	Silver	SW-846 6010B	1	02/15/2008	04:27	Choon Y Tian	1
00200	рН	SW-846 9040B	1	02/13/2008	19:00	Luz M Groff	1
00496	Corrosivity	SW-846 Chapter	7 1	02/13/2008	19:00	Luz M Groff	1
01121	Reactivity	SW-846 Chapter	7.3 1	02/18/2008	09:30	Susan E Hibner	1
01122	Sulfide (Reactivity)	SW-846 9034	1	02/18/2008	09:30	Susan E Hibner	1
01123	Cyanide (Reactivity)	SW-846 9012A m	nodified 1	02/19/2008	10:43	William L Hamaker Jr	1
00173	PCBs in Water	SW-846 8082	1	02/18/2008	13:20	Jamie L Brillhart	1
04678	TCL SW846	SW-846 8270C	1	02/15/2008	08:44	Linda M Hartenstine	1
	Semivolatiles/Waters	av	-				_
04678	TCL SW846	SW-846 8270C	1	02/15/2008	19:42	Ryan P Byrne	5
06291	TCL bv 8260 (water)	SW-846 8260B	1	02/15/2008	17:33	Kathrine K Muramatsu	5
06291	TCL by 8260 (water)	SW-846 8260B	1	02/15/2008	17:55	Kathrine K Muramatsu	20
00813	BNA Water Extraction	SW-846 3510C	1	02/14/2008	14:45	Eric M Walker	1
00817	Water Sample Pest.	SW-846 3510C	1	02/15/2008	03:45	Sherry L Morrow	1
	Extraction					1	
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/15/2008	17:33	Kathrine K Muramatsu	5
01163	GC/MS VOA Water Prep	SW-846 5030B	2	02/15/2008	17:55	Kathrine K Muramatsu	20
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	02/14/2008	19:35	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	02/14/2008	19:40	Nelli S Markaryan	1



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Lancaster Laboratories Sample 1	No. WW5278770	Group No. 1077290
WC-TLS-02-021208 Grab Water Sam Troy IRMs /132071 - NY	nple	
Collected:02/12/2008 11:30	by JM	Account Number: 09286
Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008		Brown & Caldwell 234 Hudson Ave. Albany NY 12210
TLS2W		

				As Received						
CAT			As Received	Limit of		Dilution				
No.	Analysis Name	CAS Number	Result	Quantitation	Units	Factor				
00259	Mercury	7439-97-6	< 0.0010	0.0010	mg/l	5				
	The quantitation limit for mercury was raised									
	due to the nature of the sample	matrix.								
07035	Arsenic	7440-38-2	0.0733	0.0200	mg/l	1				
07036	Selenium	7782-49-2	N.D.	0.0200	mg/l	1				
07046	Barium	7440-39-3	1.53	0.0050	mg/l	1				
07049	Cadmium	7440-43-9	< 0.0050	0.0050	mg/l	1				
07051	Chromium	7440-47-3	0.0872	0.0150	mg/l	1				
07055	Lead	7439-92-1	0.644	0.0150	mg/l	1				
07066	Silver	7440-22-4	< 0.0050	0.0050	mg/l	1				
00200	рН	n.a.	7.5	0.010	Std.	1				
00496	Corrosivity	n.a.	See Below		UNILS	1				
	Corrosivity:									
	The pH of the sample is 7.52 in	The pH of the sample is 7.52 indicating that the sample is not								
	corrosive. A sample is corrosi	ve if it exhib	its a pH equal t	o or less than						
	2 or equal to or greater than 1	2.5.				_				
01121	Reactivity	n.a.	See Below		see	1				
	This sample was extracted and analyzed by the interim method described in SW-846 Revision 3, December 1996 - Chapter 7.3. The Interim Guidance for Reactive Cyanide and Reactive Sulfide (SW-846 Sections 7.3.3 and 7.3.4 of Chapter 7 - December 1996) identifies a reactive material as generating more than 250 mg/kg of hydrogen cyanide or 500 mg/kg of hydrogen sulfide. This waste is not considered hazardous due to reactivity based on that standard. These results do not reflect total cyanide or total sulfide. On July 14, 2005, EPA published a rule in the Federal Register that removed the Interim Guidance and the method referenced above. At this time there is no specific guidance or a method to be used to evaluate "Reactivity".									
01122	Sulfide (Reactivity)	n.a.	N.D.	160.	mg/kg	1				
01123	Cyanide (Reactivity)	n.a.	N.D.	98.7	mg/kg	1				
00173	PCBs in Water									
00639	PCB-1016	12674-11-2	N.D.	5.0	ug/l	1				
00640	PCB-1221	11104-28-2	N.D.	5.0	ug/l	1				
00641	PCB-1232	11141-16-5	N.D.	5.0	ug/l	1				
00642	PCB-1242	53469-21-9	N.D.	5.0	ug/l	1				
00643	PCB-1248	12672-29-6	N.D.	5.0	ug/l	1				
00644	PCB-1254	11097-69-1	5.5	5.0	ug/l	1				
00645	PCB-1260	11096-82-5	< 5.0	5.0	ug/l	1				



03941 Hexachloroethane

Naphthalene

03951 Acenaphthylene

03943 Nitrobenzene

03944 Isophorone

03947

03948

03949

03950

03952

03953

03954

03955

03942 N-Nitroso-di-n-propylamine

03945 bis(2-Chloroethoxy)methane

Hexachlorobutadiene

Dimethylphthalate

Acenaphthene

2,6-Dinitrotoluene

2,4-Dinitrotoluene

Hexachlorocyclopentadiene

2-Chloronaphthalene

03946 1,2,4-Trichlorobenzene

Analysis Report

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Dilution Factor

5

5

5

5

5

5 5

50

5

5 5

5

5

5

5

5

ug/l

					Pa				
Lancas	ster Laboratories Sample 1	No. WW527877	70 Gi	roup No. 10772	90				
WC-TLS Troy I	5-02-021208 Grab Water Sa RMs /132071 - NY	mple							
Collec	ollected:02/12/2008 11:30 by JM Account Number: 09286								
Submit Report Discar	tted: 02/13/2008 10:50 ted: 02/20/2008 at 16:19 td: 05/21/2008		Brown 234 H Alban	n & Caldwell Hudson Ave. ny NY 12210					
TLS2W									
				As Received					
CAT			As Received	Limit of					
No.	Analysis Name	CAS Number	Result	Quantitation	Units				
	Due to the nature of the sample matrix, a reduced aliquot was used								
	for analysis. The reporting	limits were rais	sed accordingly.						
04678	TCL SW846 Semivolatiles/Water	S							
03871	4-Chloroaniline	106-47-8	N.D.	250.	ug/l				
03879	Dibenzofuran	132-64-9	860.	250.	ug/l				
03905	2-Methylnaphthalene	91-57-6	19,000.	2,500.	ug/l				
03907	2-Nitroaniline	88-74-4	N.D.	250.	ug/l				
03908	3-Nitroaniline	99-09-2	N.D.	250.	ug/l				
03909	4-Nitroaniline	100-01-6	N.D.	250.	ug/l				
03922	2,4,5-Trichlorophenol	95-95-4	N.D.	250.	ug/l				
03924	2-Chlorophenol	95-57-8	N.D.	250.	ug/l				
03925	Phenol	108-95-2	N.D.	250.	ug/l				
03926	2-Nitrophenol	88-75-5	N.D.	250.	ug/l				
03927	2,4-Dimethylphenol	105-67-9	N.D.	500.	ug/l				
03928	2,4-Dichlorophenol	120-83-2	N.D.	250.	ug/l				
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	250.	ug/l				
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	250.	ug/l				
03931	2,4-Dinitrophenol	51-28-5	N.D.	3,000.	ug/l				
03932	4-Nitrophenol	100-02-7	N.D.	1,500.	ug/l				
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	750.	ug/l				
03934	Pentachlorophenol	87-86-5	N.D.	750.	ug/l				
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	250.	ug/l				
03937	1,3-Dichlorobenzene	541-73-1	N.D.	250.	ug/l				
03938	1,4-Dichlorobenzene	106-46-7	N.D.	250.	ug/l				
03939	1,2-Dichlorobenzene	95-50-1	N.D.	250.	ug/l				

67-72-1

621-64-7

98-95-3

78-59-1

111-91-1

120-82-1

91-20-3

87-68-3

77-47-4

91-58-7

208-96-8

131-11-3

606-20-2

83-32-9

121-14-2

N.D.

5,200.

4,100.

43,000.

250.

250.

250.

250.

250.

250.

250.

750.

250.

250.

250.

250.

250.

250.

2,500.


Analysis Report

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Lancaster Laboratories Sample	No. WW5278770	Group No. 1077290
WC-TLS-02-021208 Grab Water Sa Troy IRMs /132071 - NY	mple	
Collected:02/12/2008 11:30	by JM	Account Number: 09286
Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008		Brown & Caldwell 234 Hudson Ave. Albany NY 12210
TLS2W		

As Received CAT Limit of Dilution As Received Analysis Name CAS Number Quantitation Units No. Result Factor 86-73-7 5,500. 250. 03956 Fluorene ug/l 5 03957 4-Chlorophenyl-phenylether 7005-72-3 N.D. 250. ug/l 5 03958 Diethylphthalate 84-66-2 N.D. 250. 5 ug/l N-Nitrosodiphenylamine 86-30-6 N.D. 250. 5 03960 ug/l N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds. 250. 5 03961 4-Bromophenyl-phenylether 101-55-3 N.D. ug/l Hexachlorobenzene 118-74-1 250. 5 03962 N.D. ug/l 03963 Phenanthrene 85-01-8 20,000. 2,500. 50 ug/l 120-12-7 4,100. 250. 5 03964 Anthracene ug/l 03965 Di-n-butylphthalate 84-74-2 N.D. 250. ug/l 5 03966 Fluoranthene 206-44-0 4,800. 250. ug/l 5 03967 Pyrene 129-00-0 11,000. 2,500. ug/l 50 03969 Butylbenzylphthalate 85-68-7 N.D. 250. ug/l 5 03970 Benzo(a) anthracene 56-55-3 3,700. 250. ug/l 5 03971 Chrysene 218-01-9 4,100. 250. ug/l 5 03972 3,3'-Dichlorobenzidine 91-94-1 N.D. 250. ug/l 5 03973 bis(2-Ethylhexyl)phthalate 117-81-7 N.D. 250. ug/l 5 03974 Di-n-octylphthalate 117-84-0 N.D. 250. ug/l 5 5 03975 Benzo(b) fluoranthene 205-99-2 3,000. 250. ug/l 03976 Benzo(k)fluoranthene 207-08-9 1,100. 250. ug/l 5 5 03977 Benzo(a)pyrene 50-32-8 3,600. 250. ug/l 5 03978 Indeno(1,2,3-cd)pyrene 193-39-5 1,300. 250. ug/l 53-70-3 5 03979 Dibenz(a,h)anthracene 560. 250. ug/l 5 03980 Benzo(g,h,i)perylene 191-24-2 1,700. 250. ug/l 04680 2-Methylphenol 95-48-7 N.D. 250. ug/l 5 04681 ug/l 2,2'-oxybis(1-Chloropropane) 108-60-1 N.D. 250. 5 4-Methylphenol 106-44-5 250. 5 04682 N.D. ug/l 3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds. 04684 5 Carbazole 86-74-8 < 250. 250. ug/l

The LCS recovery is outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: dimethylphthalate

Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.

Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.



Analysis Report

Account Number: 09286

Brown & Caldwell

234 Hudson Ave.

Albany NY 12210

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Lancaster Laboratories Sample No. WW5278770 Group No. 1077290 WC-TLS-02-021208 Grab Water Sample Troy IRMs /132071 - NY

Collected:02/12/2008 11:30 by JM

Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:19 Discard: 05/21/2008

TLS2W

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
06291	TCL by 8260 (water)					
05385	Chloromethane	74-87-3	N.D.	100.	ug/l	20
05386	Vinvl Chloride	75-01-4	N.D.	100.	ug/l	20
05387	Bromomethane	74-83-9	N.D.	100.	ug/1	20
05388	Chloroethane	75-00-3	N.D.	100.	uq/l	20
05390	1.1-Dichloroethene	75-35-4	N.D.	100.	ug/1	20
05391	Methylene Chloride	75-09-2	N.D.	100.	ug/1	20
05392	trans-1.2-Dichloroethene	156-60-5	N.D.	100.	ug/1	20
05393	1,1-Dichloroethane	75-34-3	N.D.	100.	uq/l	20
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	100.	uq/l	20
05396	Chloroform	67-66-3	N.D.	100.	uq/l	20
05398	1,1,1-Trichloroethane	71-55-6	N.D.	100.	uq/l	20
05399	Carbon Tetrachloride	56-23-5	N.D.	100.	uq/l	20
05401	Benzene	71-43-2	19,000.	1,000.	uq/l	200
05402	1,2-Dichloroethane	107-06-2	N.D.	100.	uq/l	20
05403	Trichloroethene	79-01-6	N.D.	100.	uq/l	20
05404	1,2-Dichloropropane	78-87-5	N.D.	100.	uq/l	20
05406	Bromodichloromethane	75-27-4	N.D.	100.	uq/l	20
05407	Toluene	108-88-3	5,400.	100.	ug/l	20
05408	1,1,2-Trichloroethane	79-00-5	N.D.	100.	ug/l	20
05409	Tetrachloroethene	127-18-4	N.D.	100.	ug/l	20
05411	Dibromochloromethane	124-48-1	N.D.	100.	ug/l	20
05413	Chlorobenzene	108-90-7	N.D.	100.	ug/l	20
05415	Ethylbenzene	100-41-4	3,300.	100.	ug/l	20
05418	Styrene	100-42-5	150.	100.	ug/l	20
05419	Bromoform	75-25-2	N.D.	100.	ug/l	20
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	100.	ug/l	20
06302	Acetone	67-64-1	N.D.	400.	ug/l	20
06303	Carbon Disulfide	75-15-0	N.D.	100.	ug/l	20
06305	2-Butanone	78-93-3	N.D.	200.	ug/l	20
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	100.	ug/l	20
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	100.	ug/l	20
06308	4-Methyl-2-pentanone	108-10-1	N.D.	200.	ug/l	20
06309	2-Hexanone	591-78-6	N.D.	200.	ug/l	20
06310	Xylene (Total)	1330-20-7	2,700.	100.	ug/l	20
	Preservation requirements wer	e not met. The	vial submitted f	for volatile		

Preservation requirements were not met. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 7.



Analysis Report

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Lancaster Laboratories Sample	e No. WW527877	'0 G1	roup No. 107729	90	
WC-TLS-02-021208 Grab Water ; Troy IRMs /132071 - NY	Sample				
Collected:02/12/2008 11:30	by JM	Αссοι	unt Number: 092	286	
Submitted: 02/13/2008 10:50 Reported: 02/20/2008 at 16:1 Discard: 05/21/2008	9	Brown 234 H Albar	n & Caldwell Hudson Ave. ny NY 12210		
TLS2W			As Received		
CAT No. Analysis Name	CAS Number	As Received Result	Limit of Quantitation	Units	Dilution Factor

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT		1		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
00259	Mercury	SW-846 7470A	1	02/15/2008 08:38	Damary Valentin	5
07035	Arsenic	SW-846 6010B	1	02/15/2008 04:51	Choon Y Tian	1
07036	Selenium	SW-846 6010B	1	02/15/2008 04:51	Choon Y Tian	1
07046	Barium	SW-846 6010B	1	02/15/2008 04:51	Choon Y Tian	1
07049	Cadmium	SW-846 6010B	1	02/15/2008 04:51	Choon Y Tian	1
07051	Chromium	SW-846 6010B	1	02/15/2008 04:51	Choon Y Tian	1
07055	Lead	SW-846 6010B	1	02/15/2008 04:51	Choon Y Tian	1
07066	Silver	SW-846 6010B	1	02/15/2008 04:51	Choon Y Tian	1
00200	рH	SW-846 9040B	1	02/13/2008 19:00	Luz M Groff	1
00496	Corrosivity	SW-846 Chapter 7	1	02/13/2008 19:00	Luz M Groff	1
01121	Reactivity	SW-846 Chapter 7.3	1	02/18/2008 09:30	Susan E Hibner	1
01122	Sulfide (Reactivity)	SW-846 9034	1	02/18/2008 09:30	Susan E Hibner	1
01123	Cyanide (Reactivity)	SW-846 9012A modifie	d 1	02/19/2008 10:48	William L Hamaker Jr	1
00173	PCBs in Water	SW-846 8082	1	02/18/2008 13:28	Jamie L Brillhart	1
04678	TCL SW846	SW-846 8270C	1	02/15/2008 09:07	Linda M Hartenstine	5
	Semivolatiles/Waters					
04678	TCL SW846	SW-846 8270C	1	02/15/2008 20:05	Ryan P Byrne	50
06291	TCL by 8260 (water)	SW-846 8260B	1	02/16/2008 01.58	Kathrine K Muramatsu	20
06291	TCL by 8260 (water)	SW-846 8260B	1	02/16/2008 02:20	Kathrine K Muramatsu	200
00813	BNA Water Extraction	SW-846 3510C	1	02/14/2008 14:45	Eric M Walker	1
00817	Water Sample Pest	SW-846 3510C	1	02/15/2008 03:45	Sherry L Morrow	1
0001/	Extraction	5 010 55100	-	02, 20, 2000 00, 10	5110117 2 1101101	-
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/16/2008 01:58	Kathrine K Muramatsu	20
01163	GC/MS VOA Water Prep	SW-846 5030B	2	02/16/2008 02:20	Kathrine K Muramatsu	200
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	02/14/2008 19:35	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	02/14/2008 19:40	Nelli S Markaryan	1

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
С	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	I	liter(s)
mĪ	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml

 less than – The number following the sign is the <u>limit of quantitation</u>, the smallest amount of analyte which can be reliably determined using this specific test.

- > greater than
- ppm parts per million One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.
- ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

- **A** TIC is a possible aldol-condensation product
- **B** Analyte was also detected in the blank
- C Pesticide result confirmed by GC/MS
- **D** Compound quatitated on a diluted sample
- E Concentration exceeds the calibration range of the instrument
- J Estimated value
- **N** Presumptive evidence of a compound (TICs only)
- **P** Concentration difference between primary and confirmation columns >25%
- **U** Compound was not detected
- **X,Y,Z** Defined in case narrative

Inorganic Qualifiers

- B Value is <CRDL, but ≥IDL
- **E** Estimated due to interference
- **M** Duplicate injection precision not met
- **N** Spike amount not within control limits
- S Method of standard additions (MSA) used for calculation
- U Compound was not detected
- W Post digestion spike out of control limits
- * Duplicate analysis not within control limits
- + Correlation coefficient for MSA < 0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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APPENDIX E

Record Survey

BROWN AND CALDWELL

DEED REFERENCE: REPUBLIC STEEL CORPORATION TO KING SERVICE. Inc. DATED: APRIL 3. 1968 BOOK: 1194 PAGE: 936

N 1410381.0590 E 706736.2367

\$27°10'00"W 40.09'

WELL	TOP OF	GROUND	TOP OF	
MW - 1	TN	ACCESSIBI	F	
MW-2	30.49	27.13	25.42	
 MW-3	25.86	22.63	25.56	
MW - 4	30.01	27.07	29.62	
MW-5	28.52	28.23	28.03	
MW-6R	27.10	29.35	29.20	
MW - 7	26.78	FLUSH	26.38	
MW-8	NO COVER	28.30	28.06	
MW-9R	29.23	26.43	29.04	
MW-10R	13.75	11.08	13.53	
MW-11	27.77	24.14	27.56	
MW-12	27.85	FLUSH	*	
MW-13	28.46	FLUSH	28.21	
MW-14	28.52	25.16	28.50	
MW-15	29.07	FLUSH		
MW-16	27.70	FLUSH	27.32	
MW-17	29.15	25.80	28.74	
MW-18	28.85	FLUSH	28.37	S27°10 40.
MW-19	28.54	FLUSH	27.87	
MW-20	27.98	FLUSH	27.21	
MW-21	27.04	FLUSH	26.75	
MW-22	28.42	28.18	28.13	
MW-23	27.65	27.41	27.24	
MW-24	27.72	FLUSH	27.55	
MW-25	- 27.54	FLUSH	27.31	
MW-26	26.40	FLUSH	26.16	
MW-27	26.88	FLUSH	26.69	
MW-28R	29.32	26.58	29.15	
MW-29	28.07	FLUSH	27.91	
MW-30	28.22		28.02	
MW-31	28.44	FLUSH	28.30	
MW-32	27.63	FLUSH	27.13	
MW-33	27.95	FLUSH	27.61	
MW-34	27.56	FLUSH	26.99	
MW-35	26.65	FLUSH		
MW-36	31.45	28.00	31.18	
MW-37	23.69	FLUSH	23.51	
MW-38	26.85	FLUSH	26.49	
MW-39	29.49	26.83	29.25	
MW-124B	29.18	26.52	28.82	
MW-134B	27.95	24.57	27.78	

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MP - 2D	27.34	27.10
MP - 4D	26.99	26.64
MP-4S	26.98	26.82
MP - 8D	27.17	27.01
MP-9D	26.82	26.66
MP-9S		26.74
MP-11D	27.28	26.90
MP-11S		26.89
MP - 12D	27.39	27.26
MP-12S		27.18
MP-13D	28.24	27.96
MP-13S	28.05	27.85
MP-21D	27.16	26.82
MP-27D	26.90	26.81
MP-NO #	27.13	26.93



APPENDIX F

Waste Manifests and Weight Tickets

BROWN AND CALDWELL

Purifier Waste Deposit Manifests and Weight Tickets

BROWN AND CALDWELL

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1	SYRALUSE, NY 13202 4. Generator's Phone (215) 1170-		- CARLICA			E	- 11 - 25	T. J 212
	5. Transporter 1 Company Name	AT AT	8. USEPAIDA	iumber		A State Trans	E MAIN >1.	110Y, NY
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	7. Transporter 2 Company Name		8. US EPA ID N	umber	1611-2-26-2	C. State Trans	sporter's ID	
	9. Designated Facility Name and Site Address	the second s		lumber		D. Transporte	r 2 Phone	
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		3. Generator's Name and Maxing Address Miley Jana Mohaw & Pol is Dec Eric BU west	ues Corp		TRO	ylwater sh) Areaz	site-
	Million	4. Genérator's Phone (3) 5) 428 6529 5. Transporter 1 Company Name	Attn: CATHY Gee	eaci	A State Tran	ALIN ST.,	Troy, NY 14A-209
	NAME	7. Transporter 2 Company Name	8. US EPA ID Number		B. Transporte C. State Tran D. Transporte	er 1 Phone (518) 477-1 sporter's ID	3940
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		In proper condition for transport. The materials described on this m	nanifest are not subject to federal hazardous waste reg	gulations.			Date
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NON-HAZARDOUS	1. Generator's US EPA	ID No.		Manifest Document No	7 40 - D.) - D. 7	2. Rage 1
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3. Generations warme and making Address Ringara Mon Boo Eric Blvd	west Poa	er Gerr		TROY	(when st.)?	Site - An
4. Generator's Phone (315) 425	6529 Atta	: Cathy Geraci	·	To err	DA MAIN ST.	Tary,1
MANGIARDI BEDS	, TEUCKING			B. Transporta	1 Phone (518) 477	-894
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16. GENERATOR'S CERTIFICATION: I hereby o in proper condition for transport. The materials	entity that the contents of this : a described on this manifest ar	shipment are fully and accurately described in a not subject to federal hazardous waste reg	and are in a julations.	d respects		
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4. Generator's Phone (315) 474	13202 A	H : Cathy Germe	<u>.</u>	Fictof	Main, Troy, N	11
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5. Transporter 1 Company Name	FUI ATTN: CK	US EPA ID Number		FOUT C	E WARK SF	Necy NY
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4. Generator's Phone (3(5) 42	8-6529 ATTN	" CATHY GOLAC	L	FOOT 0	= MAIN ST.	Neoy,N
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11. WASTE DESCRIPTION			12. Co No.	ntalnere Type	13, Total Quantity	14. Unit WL/Vol.
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11. WASTE DESCRIPTION		12. C	ontainers Type	13. Total Quantity	14. Linit Wt.Vol.
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F-14 © 2002 LABELN LASTER @ (800) 621-5808 www.labelmasler.com	PHINTEED CHI MECTOLED PHINTEE USING SQTIELAN HAR	Ø			Her algo

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	Ticket: 1625330 Date: 94/69/2008 Time: 96:15:16 - 96:36:00	Carrier: 8501 / MANGIARDI BKOS TRU Profile: 2008-034-15DAC / 15DAC-2008-03 Ref: 2008-PW-1 Gross: 99960LBS Ref: 24580LBS Net: 65380LBS	Relative to the Amount S2.6968 B Amount per Ton	APR 1 & 2008 DA COLLINS, CONST. *6- 80 Total Amount:
•	Seneca Meadows, Inc. 1786 Salcman Rd. Waterloo, NY 13165 Ph: (315) 539-5624 Fax: (315) 539-3097	Customer: 15DAC / D.A.COLLINS Drigin: 3 / ALBANY Truck: CAS25 Comment: Lastes & Services	BCS01 / E/R-CONTAM SOIL	Total Taxes

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ł 1 1625716 04/09/2008 09:47:48 - 10:44=28 ŧ Amount \$G. GB Net: '75720LBS" į ١ Tare: 37740LBS PRE EURIVED Gross: 113460LBS D.A. COLLINS, CONST. APR 7 6 2008 Total Amount: Carrier: 8501 / MANGIARDI BROS TRU Profile: 2008-034~15DAC / 15DAC-2008-03 Cust Ref: 2008-PW-002 6ross: 11345) Ticket: Date: Time: V 2 . Quantity Rate <u>রে</u>। 37.8688 • 91 5 2 Seneca Meadows, Inc. 1786 Salcman Rd. Waterloo, NY 13165 Rh: (315) 539-5624 Fax: (315) 539-3897 Customer: 15DAC / D.A.COLLINS BCSB1 / B/R-CONTAM SOIL , `, Crigin: 3 / ALEANY Truck: MAN47 Wastes & Services Total Taxes Colinent:



Ę 04/09/2008 06:17:37 - 06:51:22 ş ţ \$0**-**05 ķ Amount are: 37060LFS ź Gross: 142320LES Tare: 37060LES D.A. COLLINS, COWST Total Amount: RECEIVED APR 1 b 2008 1625537 Carrier: 8501 / MANGIARDI BROS TRU Profile: 2008-034-15DAC / 15DAC-2008-03 Cust Ref: 2008-PW-004 6ross: 1422 Per Ton Ticket: Date: Time: Quantity Rate (œ 52.6300 r^{*} . · 6 , ; Seneca Meadows, Inc. 1786 Salcman Kd. Waterloo, NY 13165 Ph. (315) 539-5624 Fax. (315) 539-3097 Customer: 15DAC / D.A.COLLINS BCSØ1 / B/R-CONTAM SOIL Origin: 3 / ALBANY Truck: NT01 Comment: Wastes & Services 1 1 Total Taxes



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, • - - -	Ticket: 1625 Date: 04/0 Time: 14:4	Carrier: 8501 / MANGIARDI BROS TRU Profile: 2008-034-15DAC / 15DAC-2008- Ref: 2008-PW-006 Tare: 3 Tare: 3 Net:	Quantity Rate	35.3000 8 3600 per Ton	APR 1 b 2006 DA COLLING OOB Total And
`	Seneca Meadows, Inc. 1786 Salcman Rd. Waterloo, NY 13165 Ph: (315) 539-5624 Fax: (315) 539-3697	Customer: 15DAC / D.A.COLLINS Drigin: 3 / ALEANY Truck: MAN45 Comment:	Wastes & Services	BCSB1 / B/R-CONTAM SOIL	Total Taxes





ş ÷ 19:42:36 - 11:95:34 Anount \$0.60 ş t Gross: 101480LBS Tare: 38160LBS Net: 63320LBS D.A. COLLINS, CONST. 64/10/2008 RECEIVED Total Amounts APR 1 0 2008 1626198 Carrier: 8501 / MANGIARDI RROS TRU Profile: 2008-034-15DAC / 15DAC-2008-03 Cust Ref: 2008-PW-009 Gross: 10149 w.p. per Ton Ticket: Date: Time: . ۰, Quantity Rate a 31.6680 Semeca Meadows, Inc. 1786 Salcman Rd. Waterloo, NY 13165 Ph: (315) 539-5624 Fax: (315) 539-3697 Customer: 15DAC / D.A.COLLINS BCS01 / B/R-CONTAM SOIL Wastes & Services Origin: 3 / ALEANY Truck: MAN46 Comment: Total Taxes

5 04/10/2008 07:59:56 - 08:38:43 ž 2 Amount \$**0.** 66 4 5 72320155 Gross: 111500LBS Tare: 38580LBS Toffal Amount: 1626976 Carrier: 8501 / MANGIARDI BROS TRU Profile: 2008-034-15DAC / 15DAC-2008-03 D.A. COLLINS, CONST. RECEIVEI APR 1 b 2008 Net: Ticket: Date: Time: Quantity Rate Q Cust Ref: 2008-PW-010 36.4680 ŕ 1 ۰. Semeca Meadows, Inc. 1786 Salcman Rd. Waterloo, NY 13165 Ph: (315) 539-5624 Fax: (315) 539-3097 Customer: 15DAC / D.A.COLLINS BCS01 / B/R-CONTAM SOIL Origin: 3 / ALKANY Truck: MAN49 Comment: Wastes & Services 19 Total Taxes ř ł

ş 1626865 04/10/2008 08:01:31 - 08:27:51 ě. 4 Amount \$**6.** 80 友 Gross: 113060LRS Tare: 37660LRS 75460LBS Total Amount: Carrier: 8501 / MANGIARDI BROS TRU Profile: 2008-034-15DAC / 15DAC-2008-03 Cust Ref: 2008-PW-011 Gross: 11306 R Net: D.A. COLLINS, CONST. RECEIVEDTon Ticket: Date: Time: APR 1 6 2008 1 11. **Quantity Rate** 37.7388 ! 1 Waterloo, NY 13165 Ph: (315) 539-5624 Fax: (315) 539-3097 Customer: 15DAC / D.A.COLLINS BCS01 / B/R-CONTAM SOIL Drigin: 3 / ALBANY Truck: MAN48 Wastes & Services Seneca Meadows, Inc. 1.786 Salcman Rd. Į. Total Taxes • Comment: • * :

Ŷ þ 11:44:01 - 12:01:56 ş ş Amount \$0° 98 Ş 1 Carrier: 8501 / MANGIARDI BROS TRU Profile: 2008-034-15DAC / 15DAC-2008-03 Cust Ref: 2008-04-012 Tare: 38220LBS Net: 79320LBS 1626226 84/18/2088 HINS, CONST. otal fundunt: RECEIVEL APR 1 0 2008 Ticket: Date: Time: Ċ N. S. i Quantity Rate eu eu 39.6608 ł Waterloo, NY 13165 Ph: (315) 539-5624 Fax: (315) 539-3097 Customer: 15DAC / D.A.COLLINS BCSB1 / B/R-CONTAM SOIL Seneca Meadows, Inc. 1786 Salcman Kd. Wastes & Services Origin: 3 / ALBANY Truck: MAN51 Comment: Total Taxes


	Ticket: 1626253 . Date: 04/10/2008 . Time: 12:05:47 - 12:28:20	Carrier: 8501 / MANGIARDI BROS TRU	Profile: 2008-034-15DAC / 15DAC-2008-03 Cust Ref: 2008-PW-014 Gross: 106280LBS Tare: 37820LES	Quantity Rate Amount	34.2308 B Per Ton	RECETVEND APR 1 9 2000 APR 1 9 2000 Stal Amount:
.0 .0 .7 .7	Seneca Meadows, Inc. 1786 Salcman Rd. Waterloo, NY 13165 Ph: (315) 539-5624 Fax: (315) 539	Customer: 15DAC / D.A.COLLINS	Drigin: 3 / ALBANY Truck: MAN47 Comment:	Wastes & Services	BCSB1 / B/R-CONTAM SOIL	Total Taxes

٢ ÷ 8 84/11/2008 86:59:28 - 87:29:19 豢 \$0**.** 89 勞 Amount 64440LBS Gross: 102200LBS Tare: 37760LBS D.A. COLULINS, CUNST. Total Amount: 1626459 . Carrier: 8501 / MANGIARDI BROS TRU Profile: 2008-034-15DAC / 15DAC-2008-03 Cust Ref: 2008-PW-015 Cust Ref: 2008-PW-015 RECEIVED APR 1 o 2608 Net: per Ton Ticket: Date: Time: Quantity Rate യ 32.2280 Seneca Meadows, Inc. 1786 Salcman Rd. Waterloo, NY 13165 Ph: (315) 539-5624 Fax: (315) 539-3097 Customer: 15DAC / D.A.COLLINS BCS01 / B/R-CONTAM SOIL . . . Drigin: 3 / ALEANY Truck: MAN41 Wastes & Services Total Taxes Comment: İ



TLS and OWS Soil/Sludge Manifests and Weight Tickets

BROWN AND CALDWELL

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Please pi	Int or type (Form designed for use on etite (12 pitch) typewriter)		ST I		2. Page 1
ANA A	NON-HAZARDOUS		2008-7	25-001	
3	Generator's Name and Meiling Address NIM (. N.R.C. (. Not MUK K POWER (CRP. 360 PK 15 PLVD WEST		TROY (WA	TBE ST.) SITE	-MREM Z
22 28	Seperator's Phone (315) 428-6529 ATTN: CATTAL GOLACI		FOUT CE	MAIN ST.	1221 NY # 44-205
	Transporter 1 Company Name . US EPA 10 Number . US EPA 10 Number		B. Transporter	1 Phone (518-47	1-8440)
	Transporter 2 Company Name 8. US EPA ID Number		C. State Trans D. Transporter	2 Phone	
	Designated Facility Name and Site Address 10. US EPA ID Number		E. State Facilit	y's ID	
	WANTA OF NIACARA 100 GNOLGY BLVD . LEGTH ST. NIACARA FALLS, MY 14304 INYD986930543		F. Facility's Ph (716)	278-8509	14.
	11. WASTE DESCRIPTION	12. Co No.	Type	Total Quantity	Unit Wt/Vol.
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	·		H. Handling	Codes for Wastes Listed At	love
	G. Additional Descriptions for Maleriais Listed Julius IZEFER P WASTE PROFILE				
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	15. Special Handling Instructions and Additional Information EWERCENKY APPROVAL # 7658	- CONT	MCT !	-) 3-2-8-9619	
100	NYSOEC APPRILAL # 08-023		• (•		
10					
1	 GENERATOR'S CERTIFICATION: I hereby cartify that the contents of this shipment are fully and accurately described on this manifest are not subject to federal hazardous was the proper condition for transport. The materials described on this manifest are not subject to federal hazardous was a subject to federal hazardo	ibed and an ite regulation	a in all respects 13.	-	
	Simoshiya		-		Date Monih Day Year
ALC: N	Printed Vigor Name On behalf Aler Diffusion BL National Grid	i S	342		9 2/ OF Date
TR	17. Transporter 1 Acknowledgement of Receipt of Materials 17. Transporter 1 Acknowledgement of Receipt of Materials Signature		-2-	-1	Hogh Day Year
ANSO	ANDY Rep				Date
Б В Т	18. Transpórter 2 Acknowledgement or receipt or materies Storature Storature Storature				Monin Day Tear
ÊR	19. Discrepancy Indication Space				
F		49. 6			
	20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as note	ed in item 19			Date
	Aliso Shivery Sugar	5	hi	reref	4 27 08
F	14 © 2002 LABELL ^M ASTER @ (800) 821-5808 www.labelmäster.com	LO MAPER	SOVINK	0	Rev. 3/9

and a standard in the standard	1. Generator's US EPA ID No.	1025		Munifest	5-007	Page 1
WASTE MANIFEST	INYROOODY	6-5-5		2004-10	a de n	<u> </u>
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4. Ganarator a Phone (3) 5) 128:-	1529 ATTN.	CATHY GATHLI		A Contrine	MAIN ST. T	14 7
5. Transporter 1 Competity Nerrie	land 1	ORITAID NORDON ;		R. Transporter 1	The loss was a	YA-LO
MANGIARD 1 BED	DUCTON US 1	US EPA ID Rember		C. State Transco	AC 9L	24
	Ĩ		· ·	D. Transporter 2	Phone	
B. Designaled Facility Name and Site Address ColfANTIA OF HIACHALLA	10.	US EPA TO Number		E. Otate Fedinya	· 01	
NIACALA PALLS NY	lyzoy Lun	DA PLAZOTY		F. Pective Phon	18-1509	
11. WASYE DESCRIPTION		prise -	12. Co	ntainens Type	18. Total Cuantity	14. Unit WL/Vol.
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15. Special Handling Instructions and Additiona	i Information	on on containe	in con	met :	2. Summer	
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NUSDER APPRILA	L # 08-023	6	10			- 8
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Ta, gentenarioare centrescanos, i hales In process condition for transport. The meter Photos/Typed Name	Control Parties of the Article	ni jer bet zurd neuersteht officielle Signature	alina yarin anasalikaz		- Adaptor	Date Daty 11 [2.1] [.0
14. ORDINATION'S CERTIFICATION Toles In proser condition for sanaport. The meter protect (youd Name (LCM_D): Unar on bull To Transport) Adjourned Common of Record	out water and the execution of the without an anomatical on this minister are not	ing we have not a constrainty obtained in the second secon			- Adamati	Date Date
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NON-HAZARDOUS WASTE MANIFEST (III pitchi agen AND NO NON-HAZARDOUS WUS EPADNA 2. Page:1 NYR DODO 46235 2008-1-5-003 5.00 · Ital WASTE MANIFEST NTAG ARA MOLLOWA POUCA 200 HOID BLID WEST SURAGUSENY 13202 I Generator's Name and Maling Ad CORP TROY (WATER ST) SITE -AREA2 FOOT OF HAIN ST, WRAY, MY Atta, Catha Goraci Generator's Phone (315) 428-6529 6. Transporter 1 Company Name US EPA ID Numbe A Statis Transporture ID AVS DOC # 44 209 MANGIARDI BEOTH, TRICKING 3. B. Transporter 1 Phone (57.8) 437-8940 G. Gune Transporter's TOLIL'S AC 96839 7. Transportor 2 Company Make US EPA ID Martel . D. Transporter 2 Phone 9. Designated Facility Human 80% Address. COUSANT # OF NOAG & & A. IDO ENBOGY BLUD & STAT. ST. N MGARA FRUS NY 14304 US EPAID Number E. State Factore ID \mathbf{e}^* F. Pacitive Phone (+6) 278- 8589 NYD 986930543 11. WASTE DESCRIPTION 13. Total Quant 14 Unit WL/Vol. $\cdot p$ NO туре COALTAR HAPACTED SPIL ISLUDGE E51 DŢ. / 35 ton **G**MZMG - Ci : LATOR ÷ 1.2 HI COLA 2.6 onal Descriptio H. Handling Codes for Westee Listed Abov ٠. RETCR to WARTE PROFILE うつうられていくしたうと . 3 . 15. Sceciet Handlin Emergency Confact Aporal # 7658 Scott Servis (518)370 NYSDEC Approval # 08-025 16. GENERATOR'S CERTIFICATION: I brieby confly that the cont in opport conflict for transmost. The methods is constructed an even Dete Alax Diffus ġ Ribdall of Ustrall 10 **Osta** EANSA ORTER Piniad/Typed Name Day - 760 Coons ED 38 08 18. Tre rue 2 Acknowledgement of Receipt of Meleriele Dâle Pithted/Typed Name Month Day . 18. Discrepancy indication Space F : e A O · . . . Ľ 20. Facility Comer or Operator: Cartification of raciality of the waste mater noted In Rem 18 I F-14 40 2002 LAREL MASTER @ (800) 621-5808 WWW COMMIN NI VEVEN VCCLC LEX: 118-584-8515 Ubl 30 5008 04:38bm 6012/054

NON-HAZARDOUS WASTE MANIFEST Safet of type Definited NON-HAZARDOUS IN'S US EPA ID NO. Manie Docu WASTE MANIFEST KyR 0000462 35 to 8-72 5-000 1.4.1 and Maling Ac Minthe And Walling Address Minthe A HOLLACH POLICR CORP Son ERIE BLUD. LIGST SURGCCI ST. IN MI AZ 202 Genelators Phone (3)51.428-6529 TROY (L)ATER ST) SITE-AREA Catly Gera Min St TROY, NY Foot a anter 1 Company Namo US EPA ID Hum MANGIAEDI BROTH TBUCKING MitON NEIDEC #44-259 art Prionis ((CAP) 422-5940 Aparture ID A.C. 97050 7. Transporter 2 Company. Na B. Thanspor US EPA ID Number . D. Transporter & Pas 9. Destanted Featry Name and Site Actiens CO Vala (a of Kayaara 100. Enorgy Bluch \$ 56.4 BL. UB EPA ID Nimber E. Stela Pacificy's ID Miasova Falls 14 14 504 P. Fectity Pho (7/6) -986 93054 NYD. 278-8509 TZ. : 12. Togal Cuantity UNI WLVO NA . Тур minasted Soil / Stady COALTAR R for Z:Ś G E N 4 ; ERAT e, ۰. ч. -Ō . . ÷ . Ā NUN-HAZARDOUS WASTE : · . . . ons for Materials Listed Above H. Handling Codes for We do Waste Arofile a Liston Ahm Loonvel # 7658 Confe. Crypnig. NYSDEC Approval + R - 02 3 1 378- 9619 CENERATOR'S CERTIFICATION:) hereby اله ما ويو للملا Printed/Typed Nama Date Signatur lex Difair Un Genal Grie 04 28 08 17. Transporter 1 Act Printed/Typed Name Data Speak limoth Month Day Yea edouc 20 ~1 26 -18. Transporter & Ach thent of F Printed/Typed Name Date Signature Dey Mansh Yes 19. Discrepancy indicat F Ç 20. Packity Ove ion of receipt of the v L, Apt as n Ť Y Date ATTERNATE DI REMERTING MILE LAX: 118-584-9515 1.1 401 30 5008 04:32bm 6015/054

~ . . NON-HAZARDOUS WASTE MANIFEST (12 phot) typewriter) ini or type NON-HAZARDOUS 1. Generator's US EPAID No. 2. Page 1 309-72.5-005 NYR 0000 46235 1 4 1 WASTE MANIFEST NIAGARA FOHLUK FOUSE CORF. Address TREE (WATER SISING - GOEN 2 Joh BRIE BLVD, WEST SYRACUSENU 132:02 POST OF MAIN ST, TROY, NY CATHY BORAC US EPA ID Number rator's Phone (315) 428-64-29 A440 ie Trainsporter's 10 NVSD2C #14-209 napograer 1 Phone (178) 477 - 8940 5. Transcorter 1 Combany Name MANGLARDI BROTH JRUCKWA B. Tra 7. Transporter 2 Company Name C. Sate Transporters D LICI AS 62560 LIS EPA KO Number D. Transporter 2 Phone US EPA ID Number 9. Designated Facility Name and Elite Address 10. COVANTA BENILGARA COVANTA BENILGARA AD BABEGY BLUD 2:55 THE ST MILGARA FLUS NY 14304 NYD 985230543 E. State Yadinya K . X F. Pacility's Phone (76)-278-8509. 27 UNI UNI WELVOL 11, WASTE DESCRIPTION 12 Contiginere 13. Total Quantity No Туре LOAL TAR IMPACTED SOIL ISLUD OF garan. 1 DI t 15 GEN þ. ٠. . 4 ERAT ۵ đ. R ÷ ; , ų. D G. Additional Descriptions for Me H. Handing Codes for Wastes Listed Above Ē REFER TO WASTE PROFILE 3 18. Special Handling instructions and Additional Information Emorgancy Contact. ATTOUAL # 7658 -Seo # Serviss (548) 378- 9619 NYSDEC KAPOVAL # 08-023 In . 6 EnvERATOR'S CERTIFICATION: I foreby couldy that the contents of the alternant are suly and incurrately destribed and are in all respects In proper condition for transport. The malerials described on the manifest are not subject to redent instandous weeks regulations. Date 07 128 108 Mar Officer Hi Refuel . | National Aid ent of Receive of M Dete 37. Ťa Dis Princed/Typed No -02 Tosch Miaski 18. Transpirer 2 Actinition (adgement of Fracestol of Materials Date Printed/Typed Name Sionshan Month Day Your 19. Discrepancy Indicator Space . 4 20. Facility Owner or Operator, Certification of secept of the waste materials covered by the marifest, sto Printad/Typed Name Signatura k.com P-14 0 2002 LABELI ASTER + (200) 621-6806 W CANADO CHINGICLED PARES Hor 30 2008 04:38pm P021/024 COVANTA NIAGARA ACCTG. Fax: 718-284-9272

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1. Generator's Name and Walting Address WIAGARAT TO BHALL LL POLGER F 3.90 BRIS BUTD. LLEST SYRATCH. SE IN 19 18202 4. Generator's Phone (215) 428 6529 8. Transporter 1 Company Name	ORD		TRAUL		
-SICA-CALSH , N. 1) 182 0 2 4-0 4. Generators Phone (3:5) 42.2 65-2.9 5. Transporter 1 Company Name	ere, - I.S. WH R. B.A.			1410 8 ST JI	TE-4004
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MANGIARDE BROTH TRUCK WIS	6, US EPA (D Number	· · ·	A. State Trans B. Transporte	ti Phone (8- 47)	1- 840 1- 840
7. Transporter 2 Company Items	a. Us ErA D Rumser		C, State Treas D. Transporte	partera ID Z.C.I. A.C. iz Phone	76843
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0, Additione) Descriptions for Materiels Listed Above	8		H. Handling Co	dee for Wastes Listed Above	
REFER TO WASTE	PROFILE	рн (н		· · ·	•
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15. Special Hending Instructions and Additional Information		1	• • •	····	e.
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	3. Generator's Name and Malling Address NG6ARA MULLAWK PO 300 ENIE 3440. NI	WER CORI	9		TROYI	11.47+5 (J) 5 2	17.7
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	16. GENERATOR'S CERTIFICATION: I hereby certil in proper condition for transport. The materials de	ly that the contents of this scribed on this manifest	s shipment are fully and eccurately des are not subject to federal hezardous w	cribed and are in a sate regulations.	all respects		
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NIAGARA FALL 100 Energy B Niagara Falls	s tacility lvd. 0 36th Street s, NY 14304			icket: 376820 Date: 4/21/200 Time: 14:31:32	8
Truck: 9 Customer: 10 Carrier: 78	181 337021/DA COLILNSA 357FRANK*9 VACUUM 1	Trailers & NAME RUCTRUCK Types Tra	Arossi Tares Nets nifer Tractor	00660 16 In 36040 16 Out 64620 16	Scale 1 Scale 2
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Driver		Deputy Mei	ghmasters Ar ES	Juils	4
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S009 mqfs:	272 Apr 30 2008 04	66989 ACCTG. Fax:716-284-9	COVANTA NI	a an	

Garrier: 8058/MANBARDI TRUCKING Truck Type: Transfer Tractor - 22 1.12 -Approval #: 7658 TLS Commente • 11.1 Quantity Unit Materials & Services Origin 198X of COALT-TON/Coal Tar-T 35.92 ton 1161/Syracuse, NY 8.8 Deputy Weighmaster: Drivers - 194 194 "War 30 2008 04:33pm P008/024 COVANIA NIAGARA ACCTG. Fax: 716-284-9272

Ticket: 378181 Niagara Falls Facility Date: 4/28/2008 100 Energy Blvd. 8 Soth Street Times 13:17:55 - 13:59:52 Niagara Falls, NY 14304 Brossi85360 lb In Scale 1 ź Tare: 33520 1b Dut Scale 2 3 Trailer: 99

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Net:71840 1b.

Truck: 9400

Dustomer: 1037021/DA COLLENSANIA MO.

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COVANTA NIAGARA ACCTG. Fax:716-284-9272 Apr 30 2008 04:34pm P011/024

Driver:

eputy Weighmaster:

Niagara Falls Facility

160 Energy Blvd. @ 56th Street

Commente

1161/Syracuse, NY

Origin

Materials & Services

Niagara Falls, NY 14384 Oross106720 1b Tare:41769 15 Out Scale 2 Net:64959 15 Truck: 9401 Customer: 1037021/DA COLILNS/NIA MG Carrier: 8050/MANNARDI TRUCKING Truck Type: Transfer Tractor Approval #: 7658 Manifest: 2008TL8084

160x of COALT-TON/Coal Tar-T 32.48 tun

Buantity Unit

Tickets 37,8158. Date: 4/28/2008 Times 15:39:23 - 16:56:18 Scale Scale · · · · · · . In Scale 1

COVANTA NI REARA ACCTG. Fax: 716-284-9272 Apr 30 2008 04:38pm P020/024

Driver Deputy Weighmaster HB 290283

1161/Syracuse, 100% of CORLT-TON/Coal Tar-T 33.38. ton NY

Materials. 8 Services

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Origin.

Manifest: 20087LS005

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Guantity Unit

Approval #: 7658

Customer: 1037021/DA COLI HS/NIA MO Net:66760 15 Carriers 8058/MANGARDI TRUCKING Truck Types Transfer Tractor

Niagara Falls Facility Ticket: 378280 106 Energy Blvd. 8 Seth Street Date: 4/29/2098 Misgara Garls, NY 14304 Timer 08:30:32 ~ 09:275 Scale. Stoss119780 15 In Scale 1 *Truck: 9490 Trailer: 99 Tare: 44020 1b Out Scale 2.

Niagara Falls, NY 14394 Time: 15:12:37 - 15:34:41 Stale Gross105500 lb In Scale 1 Truck: 9400 Trailer: 1 Customer: 1037021/DA COLIUNS/NIA MO Carrier: 6058/MANGARDI TRUCKING Truck Type: Transfer Tractor Tare: 33460 1b Out Scale 2: Net:72040 1b Approval #1.7658 Manifesti 2008-TLS-006. Convients and the second second states a material second (s,e-1 Origin Materials & Services Quantity Unit 100% of COALT-TON/Coal Tar-T 36.82 ton 1161/Symacuse, NY Drivers Deputy Weighmaster:

Ticket: 378400

Date: 4/29/2008

÷ ~ Wbr 30 2008 04:36pm P011/024 COVANTA NIAGARA ACCTG. Fax: T16-284-9272

Niagara Falls Facility

100 Energy Blvd. 2 56th Street

04/30/2008	20:31	7162788550		AMERICAN	Ref-fuel	ł	PAGE	01/88
Niagara Fa 100 Energy Niagara Fa	lls Faci Blvd. 8 11s, NY	lity 56th Street 14304				Ticket: 37 Date: 4/ Time: 07	78525 /38/2908 /146135 ~ 0 Scal	8=34:3
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Niayara Fa 100 Energy Niagara Fa	lla Facil Blvd. @ lla, WY J	lity 56th Street 4304		Ticket: 37 Date: 4/3 Time: 09:	9557 30/2008 (18:1.9 10:04:39
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TLS-8

Hiagara Falis Facility Hiagara Falis, NY 14384 Hiagara Falis, NY 14384 Truck: 9408 Truck: 94			-	
Truck: 9488 Trailer: 14 Tare: 38288 b b Out Scale 1 Tare: 38288 b b Out Scale 2 Hei:46.040 b Carrier: 0050/HWH3RRDI TRUCKING Truck Type: fransfer Tractor Approval H: 7658 Manifest: 2008-TLS-009 Comment: Jrigin Materials & Services Quantity Unit 161/Syracuse, H 108% of CORIT-TON/Coal Tar-T 23.48 ton Driverz ALCANA Deputy Heighmaster: OB 200345	Niagara Falls Facil 100 Energy Blvd. 8 Niagara Falls, NY 1	ity 56th Street 4304	ficket: 37 Date: 57 Time: 21	9463 572008 11:152 - 21:26:40 Scale
Approval H: 7658 Comment: Drigin Materials & Services Quantity Unit IG1/Syracuso, M 100% of CORLT-TON/Coal Tar-T 23.42 ton Drivers Alaum Deputy Weighmaster: 005 290345	Truck: 9400 Customer: 1037021/ Carrier: 0058/MAN	Trailer: 14 DA COLILN9/NIA MO GARDI TRUCKING Truck Type: Trans	()ross:05120 lb Tare:38280 lb Net:46840 lb sfer Tractor	In Scale 1 Out Scale 2
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Niagara Falls Facility 100 Energy Blvd. 9 56th Street Niagara Falls, NY 14304 68 - L Date: 4/21/2008 Time: 16:35:28 - 17:24:49 Customer: 1037021/DA CULILNSANIA MU Customer: 1037021/DA CULILNSANIA MU Carrier: 785/FRANK'S VACIUM TRUCTruck Type: Transfer Tractor

Approval #1 7658 · •, . "

Manifest: 2008049001

Comments

Materials & Services. Quantity Unit -Origin

100% OF COALT-TON/CORT TAT-T 24.85 ton 1161/Syracuse, NY

Drivers

. . . Deputy Weighmasters AS 2290346

Her 30 2008 04:32pm P005/024 COVANTA NIAGARA, ACCTG. Fax: 715-284-9272

Niagara Falls Facility 100 Emergy Blvd. 8 Soth Street. Ticket: 378263 Date: 4/29/2008 Mlagara Falls: HY 14304 Time: 06:57:26 + 08:36:07 Scale Srgss197200 15 In Spale Tare:44200 Ib Out Scale Truck: 9401 Trailer: 99 ٤., ** ,4 Customer: 1037021/DA COLILNS/NIA MO Carrier: 8058/MANGARDI TRUCKING Truck Type: Transfer Tractor Net:63580 15 ٦¢ Approval #1 7658 Coament; Origin Natorials & Services Quantity Unit 1161/Syracuse, - NY (ØØ of COALT-TON/Cog1 Tar-T 31.75 ton Deputy Weighmäster: HB Apr 30 2008 04:39pm P023/024 COVANTA NIAGARA ACCTG. Fax: 716-284-9272

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TO CONTRACTOR OF THE STREET STREET, ST Ticket: 378926 Niagara Falls Facility Date: 5/1/2008 100 Energy Blvd. 8 56th Street Time: 16:56:56 - 17:18:33 Niagara Falls, NY 14304 Scale In Scale 1 Grass106800 1b Tare: 36160 1b Out Scale 2 Trailer: 1 Trucks 9402 Net:70640 1b Customer: 1037021/DA COLILNS/NIA MO Carrier: 8058/MANGARDI TRUCKING Truck Type: Transfer Tractor Approval #: 7658 Manifest: 2008-085-003 Comment: Quantity Unit Materials & Services Origin 100% of COALT-TON/Coal Tar-T 35.32 ton 1161/Syracuse, NY Deputy Weighmasters Driver 290346 1 Valakasi Yaj 2511 shy shereasta upa moti pari 1. 046 TATNO and differently

Niagara Falls Facility 100 Energy Blvd. @ 56th Street Ticket: 379457 Date: 5/5/2008 Niagara Falls, NY 14304 Times 20:23:29 - 20,39:20 Scale In Scale 1 Out Scale 2 Gross:79260 1b Truck: 9401 Tare: 37540 1b Trailer: 1 Customer: 1037021/DA COLILNB/NIA MD Net#41720 1b Carrier: 8058/MANGARDI TRUCKING Truck Type: Transfer Tractor · Approval #: 7658 ; 1.15 Manifest: 2008-T8T-004 Conment: Origin Materials & Services **Quantity Unit** 1161/Syracuse, NY 100% of COALT-TON/Coal Tar-T 20.86 ton Drivers Deputy Weighmaster: AS 200346 25 (R) 52 (J) (J) 7 $(a, b) \in \mathcal{A}$ 的复数分配 615-4 entre i estatuta de la composicia de la com internet to Artistical Level Scholard Revision Labor $L \cap L(g) \sim L(g)$ · HERE THE THE CONSTRUCTION The additionation between ACC CLASS at B give 1: 1: 1 Schuller (B) and the second sec $1 < \dots < 1 < 1 < 1$ 1 2.16-10. 1.

Ticket: 1631831 Sevena Headows, Inc. Dates 8472972888 1786 Saleman Rd. Times 11+80-81 - 18:07+34 Waterloo, NY 13165 Phy (315) 539-5684 Fax: (315) 539-3097 Carriero 8591 / MANGIARDI BRDS TRU Customer: 1500C / D.A.COLLINS Profiler 2008-034-15DAC / 15DAC-2008-03 Grossi 440001.05 Tares 36466178 Oragin: 3 / GURAHY 75401.35 因合作文 Trucks MAN43 Connacates Francis Quantity Rate Martes & Servines -----3,7700 DESO1 / DAR-CENTER BOLL. 40. 90 TOTAL PARES Total Amounts Driver: Neighmaster: RUSS 458014 CONTRAC REPUSSO AT "COV9 in nissora Falls vy. 14. GENERATOR'S CERTIFICATION:) certify the materials described above on this maritest are not subject to federal regulations to preparing proper disposal of Herzindous Waste. Generator's Offeror's Printed Typed Herns Signature Joseph Mins d 🛦 15. International Shipments Export from 5.5 Import to U.S. Port of eranylexis Date leaving U.S.: Transporter Signature (for exports only): 16. Transporter Acknowledgment of Receipt of Materials Vonth Transporter 1 Printed/Typed Name Day Yes 4 29 03 Joseph nigs **FRANS** Transporter 2 Printed/Typea Name Day Month Yee 17. Discrepancy 17a. Discrepancy Indication Space □туре Residue C Quantity Partial Rejection Full Rejection Manifest Reference Number U.S. EPA ID Humber 17b. Alternate Factity (or Generator) FACIL Facéry's Phone: 17c. Signature of Alternals Facility (or Generator) Bonth Day 18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in lising #73 Signature Printed/Typed Name DESIGNATED FACILITY 169-BLS-C 5 11979 (Rev. 8/08)

NON-HAZARDOUS 1. Generator (D Number 2. Pag WASTE MANIFEST	e 1 of 3. Emergency Response 5/8 · 4/77 - 59	Phone 146-	4. Waste Ti	racking Nu	nbə:
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Ticket: 1631686 Sencea Readows, Inc. 04/29/2008 Dater 1786 Sed coan Nd. Timer 07:51001 - 08439449 Waterlon, NY 13165 Ph: (315) 539-5624 Fax: (315) 539-3097 Covrigers 0501 / MANGLARDI BRUS TRU Customer's 1504n: / D. A. COLLINS Profile: 2008-034-150AC / 150AC-8008-03 Cust Ref: TR 24 Gross# 41729LJ35 Tares 3A220U.BS Origins 3 / HUBBNY 35000.85 Nets Tysteka MAN47 Connorts **Daroust Quantity** Rate Warbes & Services 1:7590 ECODI / N/R-CONTAM SOIL 事团, 前门 Total Taxes Total Amounts Drivari Weighmaster: RUSS 450014 14. GENERATOR'S CERTIFICATION: I certify the instensis described above on this manifest are not subject to todaral regulations for reporting proper disposal of Hazardoue Waste. Month Day Yest Generator's/Offecur's Printed/Typed Name Ganature 15. International Shipmente Export from U.S. Import to U.S. Port of entry/exit. Ł Date leaving U.S. Transporter Signature (for exports or W): 16. Transporter Acknowledgment of Receipt of Materials THANSPORT Month Day Үези Transporter 1 Printed/Typed Name Signalure 4 28 04 Tim othy Lad Transporter & Printed Dyped Name i.ioath Day Yes Signatu 17. Discrepandy 17s. Discrepancy Indication Space Full Rejection OuanSity Type Residue Partal Rejection Manifest Reference Number: U.S. EPA ID Numbe 17b. Ahernate Facility (or Ganarator) FACILITY Facisty's Phone: Manth Day · Year 17c, Sighature of Alternate Facility (or Generator) 18. Designated Facility Owner or Operator. Certification of receipt of materials covered by the manifest except as noted in item 17 Signature Printed/Typed Hama DESIGNATED PACILITY TO GEI 169-BLS-C 5 11979 (Rev. 8/06)

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UNITED
INDUSTRIAL
SERVICES
DIVISION OF UNITED OIL RECOVERY, INC.

<u>BILLING:</u> DA Collins Donstruction Company 101 Route 67 Mechanicville, NY 12118

<u>RITE:</u> Defonel Orig - Troy Area 2 IAM's Vinter Rivet Troy, DY 12180

Comments:

Work Order Description:

Job Task ប់កត Expected Qty Actual Qtv Expected Num Actual Num ł n) Boode of Morkin Dia Profiles: P03130880392 item: DEATERING WARTS WATER DISPOSAL GALLON 5000 Manufactures -1.2 100 b) Scope of Work: Transportation Flat rate Rem: VAC - HIGH VACUUM Price: \$575.09 c) Beers of Work: Na Rem: MANIFEST PREPARATION FEE And States a) Boope of Work: Demutage one on ske tree, VAD - BULK TANKER SSOUGAL CAPACITY DEMURFAGE ffent: 2007538 Terret Snergy Burchstgel. 203 329 998 Services Tox: 🕻 Grand Totel: Tianspori: Oriver: PAT/RICALA, DENNIE Trucké: TA-22 Refum Yaller #: Times !! Leave Y sid - Drie Anne Ste - Date 6 Lanva She - Dhie 品和III化等。第1000063699010 Other Comments: Additional Work (Driver Notes):

14 WEST MAIN STREET P.D. BOX 202 MERIDEN, OT 05 4505 0302 TELEPHD NE (202) 736-6745 Www.unitedindustralservices.com

Job (D: Scheduled For. Requested Time: Hrs Operation: D3 Rep: Sales Rep: Oaled in By: Caled in By: Caled in Phone: Bile Contact: Site Contact Chine: Bile Contact Cell Phone: JB417080492 101 - UD1 67001 4/23/2008 US:00:00 AM

REBECCA MCCLELLAN Charle Story Pending Manifest Approval

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UNITED			
INDUSTRIAL			
SERVICES			
DIVISION OF UNITED OIL RECOVERY, INC.	23	8	
ж. К.	×.	14 WEST MAIN STREET	0
		MERIOEN, OT 06450-0903	2
<i>2</i>	·	TELEPHONE (203) 238-51	45
		www.unitecincustnaisatvic	es.com
and the second			
BLLING: DA Dollars Construction Company		Job iD: Arhequied Equ	J0423008560 101 - 001 of 001 A(30/2008
101 Route 67		Requested Time:	08:00;00 AM
Rechanicville, NY 12118		Hrs Operation:	BERERGA MONICI (AM
		Bules Rep:	Charle Story
<u>8:TA:</u>		Cated in Sy:	Steve
Nadonni Orio - Troy Area 2 iRM's Water Street		Gated in Phone: Site Contest:	518-378-8092 Heye N
TI07, NY 17180		alte Contact Phone:	518-378-8092
	•	Bite Dents of Dell Phone:	•
Comments:			
Work Order Description:			
Job Task	Uni	Expected Bhy Actual	Rty Expected Hum Actual Num
s) Brope of Work: n/a			
Profiles: P03130900382		5.	
Item: OGATERING WASTE WATER DISPOSAL Prike: Sectores	OKLLON	5000	200
b) Scope of Work: Transportation Fist rate Hem: VAO - HIGH VACIUM		. 1	. .
Price: (and the Price)		t water	-
a) Backs at Wester whe			
itam MANIFEST PREPARATION FEE		1	
Prke: BCLIMP			
d) Scope of Work: Demunage one on site free,		1	
Item: VAC - DULK TANKER 65000AL		1	,0
Prke: States			67
	١		X aga
Encroy Burcharge: "England			and st
Berrices Tax:			
Orand Total:	82		.07
			l°
			-
Transport:			
DIVER MATTEBON, BEAN	Truck#: TA-29	cula the la cou	Trailer
(innes: Leave Y Big - Onto 2/3- 100 - 2/3	Arive site - Date	Machine 12	
Lezve Gaz - One Time	Anne Yard - Date _	1188	
4mmRe計会 53725U18 // / / / / / / / / / / / / / / / / /	<i>;</i> .	بر المحمد الم	
Oriver Comments Particle Cost (11)	<u> (1) TA</u>	INE (1) Fris - TRUK	and the industion For-
	All and and discourse plane service processory		
Attentional Work (Dilver Notes):			
amira 3 390000 18 million anna ana milanira a sina ana karina na na na sabana mayo na asa ka mananda kapa tanaka mana ata Afrika		and Branchara and Brits by design as realised where the science and set of the	ى بىلىنىڭ ئىرىپىد بىلىن ، ئىرىپىدىدى بىر بىرى پەرچەر بىرىپى بىلىنى بىرىپ
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r ng	1. 1999 (1999 (1999 (1999 - 1999 (19	n daar har mandal, kar di arar ara kardinansar ayga andari sabudinansa in ka <u>na</u> yan	namenin ar aka gina ginanin kata ka gina ara na na na na ka anang kata na kata ka kata ka na kata ka
			,
All prices subject to adjustment due to market condition - Ou ave look hower is lessed from the due date of each incluice t	statter spress to pay so a date of anyment to th	ervice courges of 1 1/2% per n to event custometic pectils pla	nomb or the highest rate stowed by
way all costs of cohection, including reasonable adomests fe	5 yore of population of the	e gran customet a neero pa	ted to constitut, cationel agrees is
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		1. N	F

SERVICES	inv	olce
Ramit To Lichal Or Resourcy, Inc P.O. Box 645033 Boaten, M.A.0224-5603	Page: Sember: Date:	1 1946 3/22/2008
DA Collins Construction Company 101 Route 67 PO Box 191 Mechanicelle, NY 12318 Contact	Neffonal Grid - Troy Area 2 IRM's Water Streat Troy, NY 12180 Contact	
Anna dani ani man ila porte più cor press UNITED OL RECOVERY INC 5/72/2008	0010A0 3646 CI	CTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
Work Order E: J0505060729-101 Servic 2015351 Servic VAC - TRALER SODBAL CAPACITY VAC - TRALER SODBAL CAPACITY DEMURRAGE FUEL SURCHARGE Demotion'ng waterwater (P03130600382) - Martil 000063748UIS Energy Surcharge MANIFEST PREPARATION FEE	C D dc. 5///LU3 PO Number. Y 1 TRP Y 0.5 HOUR Y 427.5 EACH Y 4704 Galon N 1 Sucharge Y 1 EACH Y 4204 Galon N 1 Sucharge Y 1 EACH	
	RECEIVEI)
	D.A. COLLINS, CONS.	8.
TERMIN: INTERFET SHALL ACCRUE AT THE RATE OF 1 1/2% PCR NON COLLEGTION INCI UDING A REASONABLE ATTORNEYS FEE IN THE EV CONTACT INFO: UNITED OIL RECOVERY, ING. P.O. BC	ITH ON ALL ALIQUINTS NOT PAID IN 30 DAYS. CUSTOMER AGREES TO F CAT THIS ACCOUNT IS TURINED OVER TO AN ATTORNEY FOR COLLECT IX 907. MERIDEN, CT 06540-0902 PHONE: (203) 238-6757 FJ	ал ац соятя ог юн АХ: (203) 238-6778

VIUNITED VINDUSTRIAL SERVICES	Invoice
Remit Te Linded Of Resolvery, Inc IV.O. Box 645033 Banker, VA 64281-5033	Paga: 1 Auntar; 3446 Date: \$/22/2008
DA Collins Construction Company 101 Route 67 CO. Rev 181	Nafornal Grid - Troy Area 2 IRM's Water Streat
Nechanicville, NY 12118 Contact	Troy, NY 12180 Contact Description - 3 4 36 12
Annu data and part the perfect pit yes parts	
Work Order 9: J0505060729-101 Sr Dep154-4	envice D de 5///2003 PD Normber.
VAC - TRALER BOOKGAL CAPACITY VAC - TRALER SOOKGAL CAPACITY DEMURRAGE FUEL BURCHARGE	Y 1 TRP Y 0.5 HOUR Y 127.5 EACH
Develoring weithwater (P03130600382) - Manie 000093748U/IS Energy Suncharge MANIFEST PREPARATION FEE	Y 4704 Gaton N 1 Sucharge - Y 1 EACH
а та у ради на калита на селото се се с	LAST ITEM
	Phon
	LY 2 9 2000
	D.A. COLLINS, CONST
TERME: DITERFET SHALL ACCRUE AT THE RATE OF 1 1/2% PCR COLLECTION INCI UDING A REASONABLE ATTORNEYS FEE IN TH	MONTH ON ALL AMOUNTS NOT PAID IN 30 DAYS. CUSTOMER AGREES TO PAY ALL COSTS OF E EVENT THIS ACCOUNT IS TURINED OVER TO ANATTORNEY FOR COLLECTION.
CONTACT INFO: UNITED OIL RECOVERY, INC. P.O	. BOX \$02. MERIOEN, CT 08540-0902 PHONE: (203) 238-6757 FAX: (203) 238-6778
그 같은 것 같은 것 같은 것 같은 것 같은 것 같은 것 같이 많이	집 같은 것은 물건을 가지 않는 것을 만큼 가지 않는 것을 하는 것을 했다.

APPENDIX G

Soil Backfill: Gradation Report and Analytical Results

BROWN AND CALDWELL



Pallette Stone Corporation

ROB Material

E	ON OFF	ROB MATERIAL	DIRT HIGH FRICTION
1	NATER NOTES:		SHOT ROCK
LOCATION:	MAIN STOCKPILE UNDER BELT PILE UNDER CONVEYOR	IR <u>BIJE</u>	l Portana anti anti anti anti anti anti anti
METHOD:	FLOWING AGG, STREAM RANDOM LOCATION LOADER DIG OTHER	- <i>INTALED (FAV)</i> 200 15450/170/174 1/1740-70174	ippanero (onenado) Solarén potrieto de Cincol Iolani contrato de Cincol
WEATHER:	CLOUDY RAIN	X	AT SSD WETTER THAN SSD OTHER
TECHNICIAN:	EM	STONE COND.:	DRIER THAN SSD
TIME:	2:30 PM	TECHNICIAN:	JG
PRODUCER:	SOUTH CORINTH	TEST DATE:	6/28/2007
1-95G	SOUTH CORINTH		

SIEVESIZE	WEIGHT MENNEN	影影目的风险的	A BASSING	SBECS
2.0 (50.0mm)	0.0	0	100	
1" (25.0mm)	0.0	0.0	100.0	
1/4" (6.3mm)	24.5	1.3	98.7	
#40 (425um)	230.0	12.5	86.2	
#200 (75um)	1477.9	80.2	6.0	
PAN	111.1	6.0		
TOTAL	1843.5	100.0		

MOISTURE CONTENT

INITIAL WEIGHT	1664.1
DRY WEIGHT	1612.1
MOISTURE WT.	52.0
% MOISTURE	3.2

cc: Bill Beers

APR. 10. 2008 3:58PM

- cc: Bill Bokus
- cc: Chris Waite

WASH TEST

INITIAL WEIGHT	
DRY WEIGHT	
WEIGHT -200	
% -200	

QUALITY CONTROL DEPT.

	Eric	Winter
Erik	Mor	tensen

Jason Grandolfo John Nolan

APR. 10. 2008 3:59PM SAMPLE #: 447394 CLIENT SAMPLE ID: CYANIDE, TOTAL	S-4	1-95F S(≪0.04	o corinth Ma/kg Dry WT,	04/18/07	NO. 469 DATE/TIME SAMPLED: EPA 9010	P. 3 04/09/07 @ 15:00 ELAP#11245
MERCURY Mercury Prep 7471A METALS (TAL)	1	<0.04	MG/KG DRY WI	04/19/07 04/18/07	ПРА 7471 А ЕРА 7471А	CRI BDR
sluminum antimony arsenic barium beryllium	•••••••••••••••••••••••••••••••••••••••	3920 <2.22 <2.22 11.6 0.19	MG/KG DRY WT. MG/KG DRY WT. MG/KG DRY WT. MG/KG DRY WT. MG/KG DRY WT.	04/19/07 04/20/07 04/18/07 04/18/07 04/20/07	EPA 6010 EPA 6010 EPA 6010 EPA 6010 EPA 6010	CRI CRI CRI CRI CRI
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Environmental LABORATORY SERVICES

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ATLANTIC TESTING LABORATORIES 22 Corporate Drive

Clifton Park, NY 12065 ATTN: Mr. Zach Remington PROJECT #: RECEIVED:

222991 04/10/2007 @ 09:57

Site Address; HUDSON RIVER GLENS FALLS, NY

CLIENT JOB NUMBER: AT1049

TEST PERFORMED		RESULTS	UNITS	DATE/TIME PERFORMED	Method Number	Performed By
SAMPLE #: 447394	CLIENT SAMPLE ID:	8-4 1-95F, S	O. CORINTH		DATE/TIME SAMPLED): 04/09/07 @ 15:00
MEIALS (TAL)						
cadmium		<0.22	MG/KG DRY WT	04/18/07	EPA 6010	CRI
Calcium		2760	MG/KG DRY WT	04/19/07	EPA 6010	ČRI
chromium	4	8.55	MG/KG DRY WT	04/18/07	EPA 6010	CRI
copait		3.10	MG/KG DRY WT	04/18/07	EPA 6010	CRI
copper		· 3.57	MG/KG DRY WT	04/18/07	EPA 6010	CRI
ITON		11000	MG/KG DRY WT.	04/19/07	BPA 6010	CRI
lead		<2.22	MG/KG DRY WT.	04/18/07	EPA 6010	CRI
magnesium		1760	MG/KG DRY WT.	04/19/07	EPA 6010	CRI
manganese		/ 128	MG/KG DRY WT.	04/18/07	EPA 6010	CRI
nicke/		/ 3.30	MG/KG DRY WT.	04/18/07	EPA 6010	CRI
potasaium		610	MG/KG DRY WT,	04/20/07	EPA 6010	CRI
selenium		/ -2,22	MG/KG DRY WT.	04/18/07	EPA 6010	CRI
silver		∡ < 0 22	MG/KG DRY WT.	04/18/07	EPA 6010	CRI
sodium	•	170	MG/KG DRY WT	04/20/07	EPA 6010	CRI
thallium		<2.22	MG/KG DRY WT	04/20/07	EPA 6010	CRI
vanadium		<0.56	MG/KG DRY WT.	04/20/07	EPA 6010	GRI
zinc		J 193	MG/KG DRY WT.	04/18/07	EPA 6010	ČRI
Metals Digestic	מל			04/16/07	EPA 3050B	BDR
Semi-Volatile - HERB)	ICIDES					
2,4,5-t		<0.01	MG/KG DRY WT.	04/12/07	TDA DISTA	
2,4,5-tp (silvex)		<0.01	MG/KG DRY WT	04/12/07	PPA QISIA	
i 2,4-d			MG/KG DRY WT	04/12/07	2014 9141A	
dalapon		<0.01	MG/KG DRY WT	04/12/07	22A 2161A	
dicamba		<0.01	MG/KG DRY WT	04/12/07	EPA 0151A	KPI
dinoseb	1	<0.01	MG/KG DRY WT.	04/12/07	DDA DIGIA	KUI KOI
pentachlorophe	nol	<0.01	MG/KG DRY W/T	04/12/07	DEA GIDIA	KDI
pictoram		<0.01	MG/KG DRY W/T	04/12/07	DLV 01214	KD
Surogute (2,4-dichlavo gherovlacet ic ac	id). 84% recover		041201	BLW OLDIN	RU(
Surraguie r	ecovery acceptance limits a	ire 50-130%.	*			
Solid Ultrasonio	Extraction			04/11/07	EPA 3550B	KAL
Semi-Volatile - PCB'S						
arocior 1016		<0 08	MG/KG DRY WT.	04/13/07	EPA 8082	KDI
arcclor 1221		<0.03	MG/KG DRY WT.	04/13/07	EPA 8082	KDI
arocior 1232		<0 08	MG/KG DRY WT.	04/13/07	EPA 8082	KDI
aroclor 1242		<0.03	MG/KG DRY WT.	04/13/07	EPA 8082	KDI
aroclor 1248		<0.03	MG/KG DRY WT.	04/19/07	EPA 3082	KDI
aroclor 1254		<0.03	MG/KG DRY WT	04/13/07	EPA 8082	KDI
aroclor 1280		<0.03	MG/KG DRY WT.	04/13/07	EPA 8082	KDI
Surrogate (2	1.4,5 6-letrachlaro-misylene	i): 85% recovery	(decachiorobiphenyi): 3	S% recovery,		
Solid Lilmannin	covery acceptance tontis at Extraction	875-12596		04/44 Mm		
Somi-Volatile - PESTIC	IDES			04/11/07	EPA 3550B	KAL
					;	



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APR. 10. 2008 3:59PM

ATLANTIC TESTING LABORATORIES 22 Corporate Drive

Clifton Park, NY 12065 ATTN: Mr Zach Remington

.

PROJECT #: RECEIVED:

222991 04/10/2007 @ 09:57

Site Address: HUDSON RIVER GLENS FALLS, NY

CLIENT JOB NUMBER: AT1049

TEST PERFORMED	RESULTS	UNITS	DATEITIME	METHOD NUMBER	PERFORMED BY
SAMPLE #: 447394 CLIENT SAMPLE ID:	S-4 1-95F, S	O. CORINTH		DATE/TIME SAMPLED:	D4/N9/N7 @ 15/ND
Semi-Volatile - PESTICIDES					- 1000 - B 1000
4,4'-ddd	<0.003	MG/KG DRY WT.	04/12/07	EPA 8081A	KDI
4,4 -dde	<0.003	MG/KG DRY WT.	04/12/07	EPA 8081A	KDI
4,4°-ddt	<0.003	MG/KG DRY WT	04/12/07	EPA 8081A	KDI
aldrin	<0.003	MG/KG DRY WT	04/12/07	EPA 8081A	KD
alpha-bhc	<0.003	MG/KG DRY WT.	04/12/07	EPA 8081A	KDI
betz-bhc	<0.003	MG/KG DRY WT	04/12/07	EPA 8081A	KDI
chlordane - technical	<0.03	MG/KG DRY WT.	04/12/07	EPA 8081A	KD
della-bhc	<0.003	MG/KG DRY WT	04/12/07	EPA 8081A	KDI
dieldrin	<0.003	MG/KG DRY WT.	04/12/07	EPA 8081A	KDI
endosulfan l	<0.003	MG/KG DRY WT.	04/12/07	EPA 8081A	KDI
endosulfan II	<0.003	MG/KG DRY WT.	04/12/07	EPA 8081A	KDI
endosulfan sulfate	<0.003	MG/KG DRY WT	04/12/07	EPA 8081A	KDI
endrin	<0.003	MG/KG DRY WT.	04/12/07	EPA 8081A	KDI
endrin aldehyde	<0.003	MG/KG DRY WT.	04/12/07	EPA 8081A	KDI
gamma-bhc (lindane)	<0.003	MG/KG DRY WT	04/12/07	EPA 8081A	KDI
heptachlor	<0.003	MG/KG DRY WT.	04/12/07	EPA 8081A	KDI
heptachlor epoxide	<0.003	MG/KG DRY WT.	04/12/07	EPA SOSIA	KDI
methoxychlor	<0.003	MG/KG DRY WT.	04/12/07	EPA 8081A	KDI
toxaphene	<0 03	MG/KG DRY WT	04/12/07	EPA 8081A	KDI
Surrogate (2.4.5,6-tetrachioro-m-sylet Surrogate recovery acceptance limits (ie). 79% recover we 75-125%	y (decachlor obiphenyl) ·	103% recovery		
Sond Underthic Exhering the Section			04/11/07	BPA 3550B	KĄL
1 1-binbarul	-0 271	MOMO DOV WAT	0449457		
124 Stateschlambenzene	~0.0540		04/13/0/	5FA 8270C	ASI
2 2-00/his/1-ohiomononana)	-0.0042		04/49/07	BPA 8270C	ASI
2 A 5-trichlomshanal	~0.271	MORO DOV MAT	04/13/07	EPA 8270C	ASI
2 4 B-trichlorophenol	-0.271	NOKO DRY WI,	04/10/07	EPA 8270C	ASI
	-0.271	NORG DRI WI.	04/49/07	BPA 54/00	A51
2 4-dimethylohonol	-0.271	MORG DRY WI	04/13/07	EPA 82/0C	ASI
2 4-dinitrophenol	<0.271	MONO DEV WT	04/10/07	5MA 8270C	AS
2 4 distrotoluene	c0 271	Make DRY WT	04/10/07	EFA 02/VU	Aai
2.8-dipitratoluene	<0.271		04/13/07	EPA 82700	ASI
2-chlomnaphthalene	20 0542	MG/KG DOV W/T	0-110107	2FA 62700	A91
2-chlomohenol	<n 271<="" td=""><td>MG/KG DRY W/T</td><td>04/13/07</td><td>DDA POTOC</td><td>A31</td></n>	MG/KG DRY W/T	04/13/07	DDA POTOC	A31
2-methylnaphthalena	<0.611	MONO DRY WT	01.43.07	DIA 06/00	AGI
2-methylphenol	<0.271	MOKO DRY WT	04/43/07	DFA 62700	AOI
2-nitroenline	<0.271	MOKO DRY WT	04/19/07	EPA 2050C	AGI
2-nitrophenol	<0 271	MG/KG DRY WT	04/19/07	EL A 02700	A01
3.3-dichlorobenzidine	<1.08	MG/KG DRY WT	04/13/07	EPA 27700	/101 A 21
3-nitroaniliné	<0.271	MG/KG DRY WT	04/13/07	EPA 8270C	ASI



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ATLANTIC TESTING LABORATORIES 22 Corporate Drive

Clifton Park, NY 12065 ATTN: Mr. Zach Remington PROJECT #: RECEIVED:

222991 04/10/2007 @ 09:57

Site Address: HUDSON RIVER GLENS FALLS, NY

CLIENT JOB NUMBER: AT1049

	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 447394 CLIENT SAMPLE ID:	8-41-95F S	O CORINTH			04/00/07 @ 45-00
Semi-Volatile - TCL SEMIVOLATILES					04/08/07 08 15:00
4,6-dinitro-2-methylphenol	<0.271	MG/KG DRY WT.	04/13/07	PPA 80700	AĞI
4-bromophenyl phenyl ether	⊲0.271	MG/KG DRY WT.	04/13/07	EPA 8270C	401
4-chloro-3-methylphenol	<0.271	MG/KG DRY WT	04/13/07	EPA 8270C	A01
4-chloroaniline	-0.271	MG/KG DRY WT.	04/13/07	FPA 8270C	
4-chlorophenyl phonyl ether	<0.271	MG/KG DRY WT.	04/13/07	RPA \$9700	
4-methylphenol	<0.271	MG/KG DRY WT	04/13/07	ET A 82700	AOI
4-nitroaniline	<0.271	MG/KG DRY WT.	04/13/07	RDA 92700	401
4-nitrophenol	-0.271	MG/KG DRY WT.	04/13/07	EPA 22700	A01
acenaphthene	<0.0542	MG/KG DRY WT.	04/13/07	EDA 92700	AGI
acenaphthylene	<0.0542	MG/KG DRY WT.	04/13/07	TDA 9970C	AQI
acetophenone	<0.0542	MG/KG DRY WT.	04/13/07	EPA 22700	AGI AGI
anthracene	<0.0542	MG/KG DRY WT	04/13/07	804 9370C	ADI
atrazine	<0.0542	MG/KG DRY WT	04/13/07	RPA 93700	AQI
benzal dehyde	<0.0542	MG/KG DRY WT	04/13/07	170 A 22700	AG1
benzo(a)anthracane	<0 0542	MG/KG DRY WT	04/13/07	NP4 2070C	701 361
benzo(a)pyrene	<0.0542	MG/KG DRY WT	04/13/07	EPA 82700	MOI A ÓI
benzo(b)fluoranthene	<0.0542	MG/KG DRY WT	04/13/07	RDA 07700	
benzo(a,h,i)perviene	<0.0542	MG/KG DRY WT	04/13/07	BPA 91700	
benzo(k)fluoranthene	<0 0542	MG/KG DRY WT	04/13/07	22 A 23700	A01 A01
bis(2-chloroethoxy)methane	<0 271	MG/KG DRY W/T	04/13/07	EPA 82/00	A31
bis(2-chloroethyi) ether	<0.271	MG/KG DRY WT	04/13/07	BLA 02700	A91
bis(2-ethvihexvi) ohthalete	≪0 271	MG/KG DRY M/T	04/19/07	DDA 99900	
butvi benzvi phihalate	<0 271	MG/KG DRY WT.	04/13/07	ED& 2770	A01
caprolactam	<0 0542	MG/KG DRY WT	04/18/07	EDA 92700	A 61
carbazole	<0 271	MG/KG DRY W/T	GA/19/07	DEA 02700	AGI
chrvsene	<0.0542	MG/KG DRY W/T	04/10/07	EFA 64700	A01
dibenzo(a,h)enthracene	<0 271	MG/KG DRY WT	D4/49/07	27 A 9270C	A01
dibenzofuran	<0 271	MGIKG DRY WT	04/19/07	EFA 64/90	A31
diethvi phihalate	<0.271	MG/KG DRY WT	04/12/07	EFA 92500	ASI
dimethyl phthalata	<0.271	MGKG DRY WT	04/19/07	BFA 0270C	Aai
di-n-butvi ohthalate	<0.271	MOKO DRY W/T	A/12/07	EFA 04/VU	ASI
di-n-octvi phthalata	<1 271	MOKO DRY WIT	04/13/07	ELV 95/002	ASI AO
fluoranthene	<0.0542	MG/KG DRY W/T	04/19/07	REA 82/VC	ASI
flüörene	<0.0542	MG/KG DRY W/T	04/13/07	EFA 64/VG	ASI
hexachlorobenzene	<0 271	MG/KG DPY M/T	04/19/07	EFA 02100	ASI ASI
hexachlorobuladiene	<0.271	MORE DOY WIT	04/19/07	DFA 84/90	ASI
hexachiorocyclonentediene	<0 271	MRACE DOV MY	04/10/07	DPA 82/00	ASI
hexachloroeihane	cf) 271		04/10/0/ 0//10/0/	BEA 62/UC	ASI
Indeno(1.2.3-co)numene	40 0549		04/49/07	2ra 52700	ASI
isophorona	<0 271		UH 13107 04/19/07	EPA 8270C	ASI
naphihaiene	20 0543	MORO DEVINT	09/10/0/ 04/10/07	5PA 82/0C	ASI
		MOING UNI WI.		LPA 5270C	ASI



Page 19 of 22

APR. 10. 2008 3:59PM

ATLANTIC TESTING LABORATORIES 22 Corporate Drive

Clifton Park, NY 12065 ATTN: Mr. Zach Remington RECEIVED: (

PROJECT #:

222991 04/10/2007 @ 09:57

Site Address: HUDSON RIVER GLENS FALLS, NY

CLIENT JOB NUMBER: AT1049

TEST PERFORMED	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 447394 CLIENT SAMPLE	ID: 8-4 1-95F	SO CORINTH			A/00/07 @ 45-00
Semi-Volatile - ICL SEMIVOLATILES					04/08/07 @ 15:00
nitrobenzene	-0 2 71	MG/KG DRY WT.	04/13/07	FPA #2700	101
n-nitrosodiphenylamine	<0.271	MG/KG DRY WT	04/13/07	RPA 97700	ACI
n-nitrosodipropylamine	<0.271	MG/KG DRY WT.	04/13/07	RPA 8270C	A01
pentachlorophenol	<0 271	MG/KG DRY WT.	04/13/07	FPA 8770/7	AGI
phenanthrene	<0 0542	MG/KG DRY WT.	04/13/07	EPA 2270C	AQ)
phenol	<0.271	MG/KG DRY WT.	04/13/07	FPA 8270C	A91
pyrene	<0.0542	MG/KG DRY WT.	04/13/07	EPA \$270C	AGI
Surrogate (2-Aucrophenol): 74 recovery, (2, 4, 6-tribromophenol Surrogate recovery ecceptance Solid Ultrasonic Extraction	% recovery (phenol-dő)- 86% recovery, (terph limits are 50-130%) · 107% recovery (nitrobi tenybd/4) · 133% recover,	912ene-d5): 82% recor y 0.4 in 4 817	rery. (2-fluorobiphenyl) · 97%	
· · · · · · · · · · · · · · · · · · ·			04/11/07	EPA 3550B	KAL
SOLIDS, TOTAL	90	PERCENT	04/1 1/07	SM18 2540B	LBA
TOC	400	MG/KG	04/16/07	BPA Llovd Kahn	FI AR#11078
(Sample RPD=45 7%) due to sa	jor ene zacoratory Du Ngole matrix variability	pucche sample (NEA ID: . The sample expanded uj	AK0259]-Dup) excee 10H Combustion in the	led lab established limits (Limit TOC rample introduction modul	<2090 le
1,1,1-trichloroathane	<0 100	MOKO DOVINT	0.140.07		
1,1,2,2-tetrachlomethane	<0.100	MORE DRY MT	04/10/07	EPA \$260B	MNE
1.1.2-trichloro-1.2.2-triflugroeth	<0.100	MORE DEVINT		EPA 8260B	MNE
1.1.2-trichlorosthane	<0.100	MORG DRI WI	04/10/07	EPA 8260B	MNE
1.1-dichloroethane	<0.100		04/10/07	EPA 8260B	MNE
1.1-dichloroethene	×0.100		V9/10/U/	EPA 82609	MNE
1.2.3-irichlorohenzene	~0.100		04/18/07	EPA 8260B	MNE
1.2.4-trichlorobenzene	<0100 <0100		04/18/07	BPA 8260B	MNE
1.2-dibromo-8-chloropopana	<0.100		04/18/07	EPA 8260B	MNE
1.2-dibromosthane	<0.100 <0.100		09/10/07	EPA 8260B	MNE
1.2-dichlorobanzane	<0.100 <0.100		04/10/07	EPA 3260B	MNE
1.2-dichloroethane	=0.100	MORG DEVIAT	04/10/07	EPA 8260B	MNE
1.2-dichloropropage	<0.100	MORO DRY WI	04/10/07	EFA 8260B	MNE
1.3-dichlorobenzena	<0.100 <0.100	MORG DRY WI.	04/10/07	EPA \$260B	MNE
1.4-dichlorobenzene	<0.100	MOMO DAT WI.	04/16/07	EPA 8250B	MNE
2-butanone	<0.100	MORG DRY WI	04/18/07	EPA 8260B	MNE
2-bexanone	<0.500		04/18/07	EPA 8260B	MNE
4-methyl-2-pentanone	-0 000 20 600	MORO DOVINT	04/18/07	EPA 82608	MNE
acetone	~0.000	MORG ORT WI.	04/10/07	EPA 8260B	MNE
benzene		MORO DRY WI		EPA 5260B	MNE
	-0.100	NORNO DECE VVI.	04/18/07	EPA 8260B	MNE



Environmental LABORATORY SERVICES

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Page 20 of 22

ATLANTIC TESTING LABORATORIES 22 Corporate Drive

Clifton Park, NY 12065 ATTN: Mr Zach Remington PROJECT #: RECEIVED:

222991 04/10/2007 @ 09:57

Site Address: HUDSON RIVER GLENS FALLS, NY

CLIENT JOB NUMBER: AT1049

SAMPLE #: 447394 CLIENT SAMPLE ID: 8-4 1-96F SO CORINTH DATE/TIME & AMPLED: 04/09/07 © 15:00 Volatile - TCL YOL ATTILES bromochloromethane <0.100 MG/KG DRY WT: 04/18/07 EPA 8260B MNE bromodhloromethane <0.100 MG/KG DRY WT: 04/18/07 EPA 8260B MNE bromodethoromethane <0.100 MG/KG DRY WT: 04/18/07 EPA 8260B MNE bromodethoromethane <0.500 MG/KG DRY WT: 04/18/07 EPA 8260B MNE carbon disulfide <0.100 MG/KG DRY WT: 04/18/07 EPA 8260B MNE carbon tetrachlorde <0.100 MG/KG DRY WT: 04/18/07 EPA 8260B MNE chioroberazene <0.100 MG/KG DRY WT: 04/18/07 EPA 8260B MNE chioroform <0.100 MG/KG DRY WT: 04/18/07 EPA 8260B MNE chioroform <0.100 MG/KG DRY WT: 04/18/07 EPA 8260B MNE chioroform <0.100 MG/KG DRY WT: 04/18/07 EPA 8260B	YEST PERFORMED)	RESULTS	UNITS	Date/Time Performed	METHOD NUMBER	PERFORMED BY
Volatie - FCL VOLATITIES <0.100 MG/KG DRY WT. 04/18/07 EPA 8260B MNE bromodchloromethane <0.100 MG/KG DRY WT. 04/18/07 EPA 8260B MNE bromodchloromethane <0.100 MG/KG DRY WT. 04/18/07 EPA 8260B MNE bromodchloromethane <0.000 MG/KG DRY WT. 04/18/07 EPA 8260B MNE carbon letuifide <0.100 MG/KG DRY WT. 04/18/07 EPA 8260B MNE carbon tetrachloride <0.100 MG/KG DRY WT. 04/18/07 EPA 8260B MNE chloroberzene <0.100 MG/KG DRY WT. 04/18/07 EPA 8260B MNE chloroberzene <0.100 MG/KG DRY WT. 04/18/07 EPA 8260B MNE chloroberzene <0.100 MG/KG DRY WT. 04/18/07 EPA 8260B MNE chloroberzene <0.100 MG/KG DRY WT. 04/18/07 EPA 8260B MNE chloroberzene <0.100 MG/KG DRY WT. 04/18/07 EPA 8260B MNE chloroberzene <0.100 MG/KG DRY WT. 04/18/07 EPA 8260B MNE	SAMPLE #: 447394	CLIENT SAMPLE ID:	8-4 1-96F S	O CORINTH		DATE/TIME SAMPLED	04/09/07 @ 15-00
bromochlorométhane <0.100 MG/KG DRY WT. 04/18/07 EPA 8260B MNE bromodichiorométhane <0.100	Volacile - ICL VOL	ATILES					
bromodichicromethane <0.100 MG/KG DRY WT 04/18/07 EPA 8260B MNE bromoform <0.100	bromochioro	melhane	<0.100	MG/KG DRY WT.	04/18/07	EPA 8260B	MAIT
bromoform -0.100 MG/KG DRY WT 04/18/07 ETA 8260B MNE bromomethane -0.500 MG/KG DRY WT 04/18/07 EPA 8260B MNE carbon disulfide -0.100 MG/KG DRY WT 04/18/07 EPA 8260B MNE carbon tetrachioride -0.100 MG/KG DRY WT 04/18/07 EPA 8260B MNE chlorobenzene -0.100 MG/KG DRY WT 04/18/07 EPA 8260B MNE chlorobenzene -0.100 MG/KG DRY WT 04/18/07 EPA 8260B MNE chlorobenzene -0.100 MG/KG DRY WT 04/18/07 EPA 8260B MNE chlorobrim -0.100 MG/KG DRY WT 04/18/07 EPA 8260B MNE chlorobrim -0.100 MG/KG DRY WT 04/18/07 EPA 8260B MNE chlorobrime -0.100 MG/KG DRY WT 04/18/07 EPA 8260B MNE cistorromethane -0.100 MG/KG DRY WT 04/18/07 EPA 8260B MNE cichlorodfiburomethane -0.100 MG	bromodichio	romethane	<0.100	MG/KG DRY WT,	04/18/07	EPA \$260B	MNF
bromomethane -Q 500 MG/KG DRY WT. 04/18/07 EPA 8260B MNE carbon disuifide -0.100 MG/KG DRY WT. 04/18/07 EPA 8260B MNE carbon tetrachloride -0.100 MG/KG DRY WT. 04/18/07 EPA 8260B MNE chlorobenzene -0.100 MG/KG DRY WT. 04/18/07 EPA 8260B MNE chlorobenzene -0.100 MG/KG DRY WT. 04/18/07 EPA 8260B MNE chlorobenzene -0.100 MG/KG DRY WT. 04/18/07 EPA 8260B MNE chlorobenme -0.100 MG/KG DRY WT. 04/18/07 EPA 8260B MNE chlorobene -0.100 MG/KG DRY WT. 04/18/07 EPA 8260B MNE chlorobenene -0.100 MG/KG DRY WT. 04/18/07 EPA 8260B MNE cis-1,2-dichlorobenene -0.100 MG/KG DRY WT. 04/18/07 EPA 8260B MNE cis-1,2-dichloropropene -0.100 MG/KG DRY WT. 04/18/07 EPA 8260B MNE cisotroprophene <td< td=""><td>bromoform</td><td></td><td><0.100</td><td>MG/KG DRY WT.</td><td>04/18/07</td><td>EPA 8260B</td><td>MNE</td></td<>	bromoform		<0.100	MG/KG DRY WT.	04/18/07	EPA 8260B	MNE
Carbon disulfide < 0100 MG/KG DRY WT. 04/18/07 EPA 8260B MNE carbon tatrachloride <	bromometha	ne	<0 500	MG/KG DRY WT.	04/18/07	EPA 8260B	MNP
Carbon tetrachloride <0.100 MG/KG DRY WT. 04/18/07 EPA 8260B MNE chlorobenzene <0.100	carbon disuli	ide	<0.100	MG/KG DRY WT.	04/18/07	EPA 8260B	MNE
chlorobenzene <0.100 MG/KG DRY WT 04/18/07 EPA \$260B MNE chlorobitane <0.100	carbon tetrac	hloride	<0.100	MG/KG DRY WT.	04/18/07	EPA 8260B	MNE
cHloroshane <0.100 MG/KG DRY WT C4/18/07 BPA 8260B MNE chloroform <0.100	chlorobenzer	ne	<0.100	MG/KG DRY WT	04/18/07	EPA 8260B	MNE
chloroform <0.100	chloroethane		<0.100	MG/KG DRY WT	04/18/07	EPA 8260B	MNE
chloromethane <0.100 MG/KG DRY WT 04/18/07 EPA 8260B MNE cls-1,2-dichloroethene <0.100	chloroform		<0.100	MG/KG DRY WT.	04/18/07	EPA 8260B	MNE
cls-1,2-dichloroethene <0.100 MG/KG DRY WT. 04/18/07 EPA 3260B MNE cls-1,3-dichloropropene <0.100	chloromethar)e	<0.100	MG/KG DRY WT.	04/18/07	EPA 8260B	MNE
cis-1,3-dichloropropene <0.100 MG/KG DRY WT 04/18/07 EPA 8260B MNE cyclohexane <0.100	cis-1,2-dichlo	roethene	<0.100	MG/KG DRY WT.	04/18/07	EPA \$260B	MNC
cyclohexane<0.100MG/KG DRY WT.04/18/07EPA 8260BMNEdibromochloromethane<0.100	cis-1,3-dichlo	ropropene	<0.100	MG/KG DRY WT.	04/18/07	EPA 8260B	MNE
dibromochloromethane<0.100MG/KG DRY WT.04/18/07EPA \$260BMNEdichlorodifiuoromethane<0.100	cyclohexane		<0.100	MG/KG DRY WT.	04/18/07	EPA 8260B	MNE '
dichlorodifiuoromethane <0 100	dibromoch]on	omethane	<0.100	MG/KG DRY WT.	04/18/07	EPA \$260B	MNE
ethylbenzene<0 100MG/KG DRY WT04/18/07EPA 8260BMNEisopropyl benzene (cumene)<0 100	dichlorodifiuo	romethane	<0 100	MG/KG DRY WT.	04/16/07	EPA 8260B	MNE
isopropyl benzene (currene)<0 100MG/KG DRY WT04/18/07EPA 8260BMNEmethyl acetate<0.100	ethylbenzene		<0 100	MG/KG DRY WT	04/18/07	EPA 8260B	MNE
methyl acetate<0.100MG/KG DRY WTD4/18/07EPA 8260BMNEmethylcyclohaxane<0.100	isopropyl ben	zene (cumene)	<0 100	MG/KG DRY WT.	04/18/07	EPA 8260B	MNE
methyloyclohaxane<0.100MG/KG DRY WT04/18/07RPA \$260BMNEmethylene chloride<0.100	methyl acetat	8	<0.100	MG/KG DRY WT	04/18/07	EPA 82.60B	MNE
methylene chloride<0 100MG/KG DRY WT.04/18/07EPA 8260BMNEmibe<0.100	methylcyclohr	exane	<0.100	MG/KG DRY WT	04/18/07	EPA 8260B	MNIC
mibe<0.100MG/KG DRY WT.04/18/07EPA 8260BMNEstyrene<0.100	methylene ch	oride	<0 100	MG/KG DRY WT	04/18/07	EPA 8260B	MAIE
styrene<0.100MG/KG DRY WT.04/18/07BPA 8260BMNEtetrachloroethene<0.100	mtbe		<0.100	MG/KG DRY WT,	04/18/07	EPA 8260B	MINE
tetrachloroethene<0 100MG/KG DRY WT.04/18/07EPA 8260BMNEtoluane<0.100	styrene		<0.100	MG/KG DRY WT.	04/18/07	BPA 82600	MINE
toluane<0.100MG/KG DRY WT04/18/07EPA 8260BMNEtrans-1,2-dichloroethene<0.100	tetrachloroeth	ene	<0.100	MG/KG DRY WT.	04/18/07	EPA 8260B	MINE
trans-1,2-dichloroethene<0.100MG/KG DRY WT04/18/07EPA 8260BMNEtrans-1,3-dichloropropene<0.100	toluene		<0.100	MG/KG DRY WT	04/18/07	EPA 8260B	MAXIC
trans-1,3-dichloropropene <0.100 MG/KG DRY WT 04/18/07 BPA 8260B MNE trichloroethene <0.100	trans-1,2-dich	loroethene	<0.100	MG/KG DRY WT	04/18/07	BPA 6260B	
trichloroethene <0.100 MG/KG DRY WT 04/18/07 EPA \$260B MNE trichlorofluoromethane <0.100	trans-1,3-dich	loropropene	<0.100	MG/KG DRY WT.	04/18/07	BPA 8260B	
trichlorofluoromethane <0 100 MG/KG DRY WT 04/18/07 EPA 8260B MNE vinyl chloride <0.100	trichloroethen	2	<0.100	MORE DRY WT	04/18/07	EPA \$7608	MAC
vinyl chloride <0.100 MG/KG DRY WT 04/18/07 EPA 8260B MNE xylene, m+p <0.100	trichiorofiuoro	nethane	<0 100	MG/KG DRY WT	04/18/07	FPA 8260B	
xylene, m+p <0.100 MG/KG DRY WT. 04/18/07 EPA 82608 MNE	vinyl chloride		<0.100	MG/KG DRY WT	04/18/07	EPA 8260B	MNE
	xylene, m+p		<0.100	MG/KG DRY WT	04/18/07	EPA 82608	MNG
7751167 Y SV 100 MG/KG DKY WT, 04/18/07 KPA \$7605 LANE	xylene, o		<0 100	MG/KG DRY WT.	04/18/07	FPA 8260B	

m): 91 % recovery, (toluene-d3). 99 % recovery (bromofinarobenzene) 94 % 16 H 16 H recovery (1 2-dichlorobenzene-d4) 108 % recovery, Surrogate recovery acceptance limits are 85-115% (Dibromofiliaromethane.80-120%).

Continuing Calibration Standard recoveries for 2-Butanone(66%) and 2-Heamone(67%) were below the vstablished acceptance limits Results for these analytes may be blased low

04/10/07

EPA 5035

MNE

Soil Extraction for Volatile	8ŝ	

Environmental LABORATORY SERVICES



ATLANTIC TESTING LABORA	ATORIES	PROJECT #: RECEIVED	222991	
Clifton Park, NY 12065 ATTN: Mr Zach Remington		Site Address; HUDSON R GLENS FAL	1047 1072007 @ IVER LS, NY	9 09:37
CLIENT JOB NUMBER: AT10	49			
TEST PERFORMED	RESULTS UNITS	DATE/TIME PERFORMED	Method Number	PERFORM
	5a 5a	unple Receipt Temperature. In imples received above acceptabl	! Degroes C le temperature requireme.	ns of 0-6 degrees C
David R. Hill Laboratory Director	, en	<u>04/20/2007</u> Print Date		
All tests performed u Report relates only	inder NYS ELAP Laborator	y Certification # 113	75 unless other	vise stated.
All tests performed u	inder NYS ELAP Laborator	y Certification # 113	75 unless otherv	vise stated.
Report relates only	to the samples as received	I by the laboratory at	nd shall not be re	produced
except in full,	, without written approval fr	om Environmental L	aboratory Servic	es.
All tests performed u	inder NYS ELAP Laborator	y Certification # 113	75 unless otherv	vise stated.
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All tests performed u	inder NYS ELAP Laborator	ry Certification # 113	75 unless otherv	vise stated.
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except in full,	, without written approval fr	rom Environmental L	aboratory Servic	es.
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Report relates only	to the samples as received	I by the laboratory an	nd shall not be re	produced
except in full,	, without written approval fr	om Environmental L	aboratory Servic	es.
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Report relates only	to the samples as received	I by the laboratory and	nd shall not be re	sproduced
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except in full,	without written approval fr	rom Environmental L	aboratory Servic	res.



STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION ALBANY, N.Y. 12232 WWW.NySdot.gov

ASTRID C. GLYNN Commissioner

GOVERNOR

January 1, 2008

Mr. William Beers

Pallette Stone Corporation 373 Washington Street

Saratoga Springs, NY 12866

Aggregate Source Status Name: Pallette Stone Corporation Source No. 1-95F,F1,G

Location: South Corinth, NY

Coarse Aggregate Approved for Item 703-02

Fine Aggregate Approved for Item 703-01

1-95F1 not approved for use in PCC wearing surfaces.

Dear Mr. Beers:

P.O. Box 4550

Aggregate from the operating location noted above is approved for Items 703-01 and 703-02, Fine and Coarse Aggregate. The requirements of Materials Method 29, Aggregate Acceptance Procedures, have been met.

Aggregate sources which satisfy all applicable requirements of Materials Method 29, issued July 2007, appear on the Approved List of Sources of Fine and Coarse Aggregates. The Approved List is available on the Internet @

www.nysdot.gov and clicking on Publications.

Approval status is reaffirmed by testing every 2 years. However, approval status may be modified if it is determined that conditions have changed. The Regional Materials Engineer may be consulted for current data concerning this or any source.

Any questions regarding these matters, may be directed to Mr. William Skerritt or members of his staff in the Materials Bureau, Engineering Geology Section at (518) 457-1038.

Very truly yours.

William Skerritt Engineering Geology

WHS/MJB File: 1-95F,F1,G cc: Kevin Wilder, Region 1 Materials Engineer

APPENDIX H

CAMP Results

BROWN AND CALDWELL

Serial Number:	23442	Test ID: 31
Start Date:	4/7/2008	Dust Trak 1
Start Time:	7:23:05	
Statistics	Average:	0.013
	Minimum:	0.009
	Time of Min:	12:38:05
	Maximum:	0.029
	Time of Max:	9:53:05
Calibration	Cal. date	10/24/2007
Date (MM/dd/yyyy)	Time (hh:mm:ss)	Aerosol (mg/m^3)
4/7/2008	7:38:05	0.021
4/7/2008	7:53:05	0.01
4/7/2008	8:08:05	0.01
4/7/2008	8:23:05	0.011
4/7/2008	8:38:05	0.01
4/7/2008	8:53:05	0.011
4/7/2008	9:08:05	0.013
4/7/2008	9:23:05	0.015
4/7/2008	9:38:05	0.016
4/7/2008	9:53:05	0.029
4/7/2008	10:08:05	0.017
4/7/2008	10:23:05	0.025
4/7/2008	10:38:05	0.018
4/7/2008	10:53:05	0.012
4/7/2008	11:08:05	0.013
4/7/2008	11:23:05	0.011
4/7/2008	11:38:05	0.015
4/7/2008	11:53:05	0.013
4/7/2008	12:08:05	0.012
4/7/2008	12:23:05	0.01
4/7/2008	12:38:05	0.009
4/7/2008	12:53:05	0.01
4/7/2008	13:08:05	0.012
4/7/2008	13:23:05	0.01
4/7/2008	13:38:05	0.013
4/7/2008	13:53:05	0.009
4/7/2008	14:08:05	0.01
4/7/2008	14:23:05	0.011
4/7/2008	14:38:05	0.009
4/7/2008	14:53:05	0.009
4/7/2008	15:08:05	0.012
4/7/2008	15:23:05	0.014

Serial Number:	23442	Test ID: 32
Start Date:	4/8/2008	Dust Trak 1
Start Time:	7:53:40	
Statistics	Average:	0.015
	Minimum:	0.009
	Time of Min:	14:23:40
	Maximum:	0.021
	Time of Max:	11:38:40
Calibration	Cal. date	10/24/2007

Date (MM/dd/yyyy)	Time (hh:mm:ss)	Aerosol (mg/m^3)
4/8/2008	8:08:40	0.015
4/8/2008	8:23:40	0.015
4/8/2008	8:38:40	0.017
4/8/2008	8:53:40	0.015
4/8/2008	9:08:40	0.014
4/8/2008	9:23:40	0.015
4/8/2008	9:38:40	0.019
4/8/2008	9:53:40	0.018
4/8/2008	10:08:40	0.02
4/8/2008	10:23:40	0.017
4/8/2008	10:38:40	0.017
4/8/2008	10:53:40	0.016
4/8/2008	11:08:40	0.016
4/8/2008	11:23:40	0.017
4/8/2008	11:38:40	0.021
4/8/2008	11:53:40	0.015
4/8/2008	12:08:40	0.015
4/8/2008	12:23:40	0.014
4/8/2008	12:38:40	0.013
4/8/2008	12:53:40	0.014
4/8/2008	13:08:40	0.016
4/8/2008	13:23:40	0.018
4/8/2008	13:38:40	0.015
4/8/2008	13:53:40	0.014
4/8/2008	14:08:40	0.011
4/8/2008	14:23:40	0.009
4/8/2008	14:38:40	0.01
4/8/2008	14:53:40	0.01

Serial Number:	23442	Test ID: 33	Serial Number:	23442	Test ID: 34
Start Date:	4/9/2008	Dust Trak 1	Start Date:	4/10/2008	Dust Trak 1
Start Time:	7:51:56		Start Time:	6:43:18	
Statistics	Average:	0.035	Statistics	Average:	0.031
	Minimum:	0.011		Minimum:	0.01
	Time of Min:	14:06:56		Time of Min:	11:58:18
	Maximum:	0.145		Maximum:	0.133
	Time of Max:	11:36:56		Time of Max:	12:43:18
Calibration	Cal. date	10/24/2007	Calibration	Cal. date	10/24/2007
Date (MM/dd/yyyy)	Time (hh:mm:ss)	Aerosol (mg/m^3)	Date (MM/dd/yyyy)	Time (hh:mm:ss)	Aerosol (mg/m^3)
4/9/2008	8:06:56	0.021	4/10/2008	6:58:18	0.034
4/9/2008	8:21:56	0.019	4/10/2008	7:13:18	0.02
4/9/2008	8:36:56	0.018	4/10/2008	7:28:18	0.02
4/9/2008	8:51:56	0.018	4/10/2008	7:43:18	0.017
4/9/2008	9:06:56	0.015	4/10/2008	7:58:18	0.029
4/9/2008	9:21:56	0.017	4/10/2008	8:13:18	0.028
4/9/2008	9:36:56	0.018	4/10/2008	8:28:18	0.02
4/9/2008	9:51:56	0.019	4/10/2008	8:43:18	0.016
4/9/2008	10:06:56	0.017	4/10/2008	8:58:18	0.077
4/9/2008	10:21:56	0.019	4/10/2008	9:13:18	0.032
4/9/2008	10:36:56	0.016	4/10/2008	9:28:18	0.019
4/9/2008	10:51:56	0.016	4/10/2008	9:43:18	0.015
4/9/2008	11:06:56	0.013	4/10/2008	9:58:18	0.015
4/9/2008	11:21:56	0.132	4/10/2008	10:13:18	0.014
4/9/2008	11:36:56	0.145	4/10/2008	10:28:18	0.04
4/9/2008	11:51:56	0.029	4/10/2008	10:43:18	0.017
4/9/2008	12:06:56	0.019	4/10/2008	10:58:18	0.027
4/9/2008	12:21:56	0.012	4/10/2008	11:13:18	0.016
4/9/2008	12:36:56	0.012	4/10/2008	11:28:18	0.013
4/9/2008	12:51:56	0.016	4/10/2008	11:43:18	0.018
4/9/2008	13:06:56	0.122	4/10/2008	11:58:18	0.01
4/9/2008	13:21:56	0.099	4/10/2008	12:13:18	0.016
4/9/2008	13:36:56	0.079	4/10/2008	12:28:18	0.049
4/9/2008	13:51:56	0.023	4/10/2008	12:43:18	0.133
4/9/2008	14:06:56	0.011	4/10/2008	12:58:18	0.012
4/9/2008	14:21:56	0.017	4/10/2008	13:13:18	0.031
4/9/2008	14:36:56	0.015	4/10/2008	13:28:18	0.022
4/9/2008	14:51:56	0.015	4/10/2008	13:43:18	0.019
			4/10/2008	13:58:18	0.013
			4/10/2008	14:13:18	0.103

4/10/2008

14:28:18

0.103 0.075

Serial Number:	23442	Test ID: 35	Serial Number:	23
Start Date:	4/11/2008	Dust Trak 1	Start Date:	4/21/2
Start Time:	9:20:49		Start Time:	7:4
Statistics	Average:	0.015	Statistics	Average:
	Minimum:	0.012		Minimum:
	Time of Min:	14:20:49		Time of Min:
	Maximum:	0.021		Maximum:
	Time of Max:	13:20:49		Time of Max:
Calibration	Cal. date	10/24/2007	Calibration	Cal. date
Date (MM/dd/yyyy)	Time (hh:mm:ss)	Aerosol (mg/m^3)	Date (MM/dd/yyyy)	Time (hh:mm
4/11/2008	9:35:49	0.014	4/21/2008	8:0
4/11/2008	9:50:49	0.017	4/21/2008	8:1
4/11/2008	10:05:49	0.016	4/21/2008	8:3
4/11/2008	10:20:49	0.015	4/21/2008	8:4
4/11/2008	10:35:49	0.015	4/21/2008	9:0
4/11/2008	10:50:49	0.014	4/21/2008	9:1
4/11/2008	11:05:49	0.015	4/21/2008	9:3
4/11/2008	11:20:49	0.015	4/21/2008	9:4
4/11/2008	11:35:49	0.016	4/21/2008	10:0
4/11/2008	11:50:49	0.017	4/21/2008	10:1
4/11/2008	12:05:49	0.016	4/21/2008	10:3
4/11/2008	12:20:49	0.014	4/21/2008	10:4
4/11/2008	12:35:49	0.013	4/21/2008	11:0
4/11/2008	12:50:49	0.013	4/21/2008	11:1
4/11/2008	13:05:49	0.017	4/21/2008	11:3
4/11/2008	13:20:49	0.021	4/21/2008	11:4
4/11/2008	13:35:49	0.018	4/21/2008	12:0
4/11/2008	13:50:49	0.019	4/21/2008	12:1
4/11/2008	14:05:49	0.016	4/21/2008	12:3
4/11/2008	14:20:49	0.012	4/21/2008	12:4
4/11/2008	14:35:49	0.013	4/21/2008	13:0
4/11/2008	14:50:49	0.014	4/21/2008	13:1
4/11/2008	15:05:49	0.012	4/21/2008	13:3
			4/21/2008	13:4
			1/21/2000	14.0

Serial Number:	23442	Test ID: 36
Start Date:	4/21/2008	Dust Trak 1
Start Time:	7:49:28	
Statistics	Average:	0.048
	Minimum:	0.015
	Time of Min:	9:34:28
	Maximum:	0.122
	Time of Max:	11:19:28
Calibration	Cal. date	10/24/2007

Date (MM/dd/yyyy)	Time (hh:mm:ss)	Aerosol (mg/m^3)
4/21/2008	8:04:28	0.02
4/21/2008	8:19:28	0.031
4/21/2008	8:34:28	0.041
4/21/2008	8:49:28	0.027
4/21/2008	9:04:28	0.048
4/21/2008	9:19:28	0.032
4/21/2008	9:34:28	0.015
4/21/2008	9:49:28	0.028
4/21/2008	10:04:28	0.035
4/21/2008	10:19:28	0.032
4/21/2008	10:34:28	0.088
4/21/2008	10:49:28	0.118
4/21/2008	11:04:28	0.079
4/21/2008	11:19:28	0.122
4/21/2008	11:34:28	0.026
4/21/2008	11:49:28	0.034
4/21/2008	12:04:28	0.024
4/21/2008	12:19:28	0.02
4/21/2008	12:34:28	0.019
4/21/2008	12:49:28	0.019
4/21/2008	13:04:28	0.045
4/21/2008	13:19:28	0.092
4/21/2008	13:34:28	0.043
4/21/2008	13:49:28	0.108
4/21/2008	14:04:28	0.029
4/21/2008	14:19:28	0.038
4/21/2008	14:34:28	0.08
4/21/2008	14:49:28	0.051

Serial Number:	23442	Test ID: 37	Serial N
Start Date:	4/22/2008	Dust Trak 1	Start Da
Start Time:	7:08:45		Start Ti
Statistics	Average:	0.029	Statistic
	Minimum:	0.017	
	Time of Min:	9:38:45	
	Maximum:	0.132	
	Time of Max:	10:38:45	
Calibration	Cal. date	10/24/2007	Calibrat
Date (MM/dd/aaaa)	Time (bb:mm:ss)	Aerosol (mg/mA3)	Date (M
	7.22.45		Date (IV
4/22/2008	7.23.43	0.023	
4/22/2008	7.53.45	0.021	
4/22/2000	8:08:45	0.022	
4/22/2000	8.23.45	0.020	
4/22/2000	8:38:45	0.010	
4/22/2000	8:53:45	0.021	
4/22/2000	0:03:40	0.021	
4/22/2000	9:23:45	0.020	ł
4/22/2000	0:20:40	0.013	ł
4/22/2000	9:53:45	0.017	
4/22/2008	10:08:45	0.018	
4/22/2008	10:23:45	0.028	
4/22/2008	10:38:45	0.132	
4/22/2008	10:53:45	0.037	
4/22/2008	11:08:45	0.018	
4/22/2008	11:23:45	0.019	
4/22/2008	11:38:45	0.019	
4/22/2008	11:53:45	0.017	
4/22/2008	12:08:45	0.049	
4/22/2008	12:23:45	0.071	
4/22/2008	12:38:45	0.034	
4/22/2008	12:53:45	0.031	
4/22/2008	13:08:45	0.02	
4/22/2008	13:23:45	0.017	
4/22/2008	13:38:45	0.024	
4/22/2008	13:53:45	0.026	
4/22/2008	14:08:45	0.025	

Serial Number:	23442	Test ID: 38
Start Date:	4/23/2008	Dust Trak 1
Start Time:	6:38:43	
Statistics	Average:	0.034
	Minimum:	0.017
	Time of Min:	11:38:43
	Maximum:	0.088
	Time of Max:	13:08:43
Calibration	Cal. date	10/24/2007
Date (MM/dd/yyyy)	Time (hh:mm:ss)	Aerosol (mg/m^3)
4/23/2008	6:53:43	0.027
4/23/2008	7:08:43	0.025
4/23/2008	7:23:43	0.026

4/23/2008	7:08:43	0.025
4/23/2008	7:23:43	0.026
4/23/2008	7:38:43	0.026
4/23/2008	7:53:43	0.03
4/23/2008	8:08:43	0.025
4/23/2008	8:23:43	0.021
4/23/2008	8:38:43	0.019
4/23/2008	8:53:43	0.026
4/23/2008	9:08:43	0.033
4/23/2008	9:23:43	0.025
4/23/2008	9:38:43	0.022
4/23/2008	9:53:43	0.021
4/23/2008	10:08:43	0.038
4/23/2008	10:23:43	0.022
4/23/2008	10:38:43	0.026
4/23/2008	10:53:43	0.041
4/23/2008	11:08:43	0.028
4/23/2008	11:23:43	0.022
4/23/2008	11:38:43	0.017
4/23/2008	11:53:43	0.018
4/23/2008	12:08:43	0.04
4/23/2008	12:23:43	0.038
4/23/2008	12:38:43	0.049
4/23/2008	12:53:43	0.078
4/23/2008	13:08:43	0.088
4/23/2008	13:23:43	0.086
4/23/2008	13:38:43	0.041
4/23/2008	13:53:43	0.042
4/23/2008	14:08:43	0.027

Serial Number:	23442	Test ID: 39	Serial Number
Start Date:	4/28/2008	Dust Trak 1	Start Date:
Start Time:	7:03:08		Start Time:
Statistics	Average:	0.07	Statistics
	Minimum:	0.018	
	Time of Min:	8:48:08	
	Maximum:	0.111	
	Time of Max:	12:33:08	
Calibration	Cal. date	10/24/2007	Calibration
[I		
Date (MM/dd/yyyy)	Time (hh:mm:ss)	Aerosol (mg/m^3)	Date (MM/do
4/28/2008	3 7:18:08	0.022	4/2
4/28/2008	3 7:33:08	0.022	4/2
4/28/2008	3 7:48:08	0.021	4/2
4/28/2008	8 8:03:08	0.022	4/2
4/28/2008	8 8:18:08	0.022	4/2
4/28/2008	8 8:33:08	0.029	4/2
4/28/2008	8 8:48:08	0.018	4/2
4/28/2008	9:03:08	0.039	4/2
4/28/2008	9:18:08	0.053	4/2
4/28/2008	9:33:08	0.104	4/2
4/28/2008	9:48:08	0.057	4/2
4/28/2008	10:03:08	0.084	4/2
4/28/2008	10:18:08	0.175	4/2
4/28/2008	10:33:08	0.08	4/2
4/28/2008	10:48:08	0.037	4/2
4/28/2008	11:03:08	0.084	4/2
4/28/2008	11:18:08	0.099	4/2
4/28/2008	11:33:08	0.04	4/2
4/28/2008	11:48:08	0.028	4/2
4/28/2008	12:03:08	0.063	4/2
4/28/2008	12:18:08	0.239	4/2
4/28/2008	12:33:08	0.111	4/2
4/28/2008	12:48:08	0.102	4/2
4/28/2008	13:03:08	0.11	4/2
4/28/2008	13:18:08	0.076	4/2
4/28/2008	13:33:08	0.104	4/2
4/28/2008	13:48:08	0.077	4/2
4/28/2008	3 14:03:08	0.042	4/2

Serial Number:	23442	Test ID: 40
Start Date:	4/29/2008	Dust Trak 1
Start Time:	7:57:05	
Statistics	Average:	0.038
	Minimum:	0.031
	Time of Min:	12:27:05
	Maximum:	0.051
	Time of Max:	9:57:05
Calibration	Cal. date	10/24/2007
Date (MM/dd/yyyy)	Time (hh:mm:ss)	Aerosol (mg/m^3)
4/29/2008	8:12:05	0.038
4/29/2008	8.27.05	0.036

4/29/2008	8:12:05	0.038
4/29/2008	8:27:05	0.036
4/29/2008	8:42:05	0.046
4/29/2008	8:57:05	0.043
4/29/2008	9:12:05	0.043
4/29/2008	9:27:05	0.049
4/29/2008	9:42:05	0.05
4/29/2008	9:57:05	0.051
4/29/2008	10:12:05	0.04
4/29/2008	10:27:05	0.033
4/29/2008	10:42:05	0.037
4/29/2008	10:57:05	0.032
4/29/2008	11:12:05	0.035
4/29/2008	11:27:05	0.04
4/29/2008	11:42:05	0.043
4/29/2008	11:57:05	0.035
4/29/2008	12:12:05	0.035
4/29/2008	12:27:05	0.031
4/29/2008	12:42:05	0.031
4/29/2008	12:57:05	0.046
4/29/2008	13:12:05	0.042
4/29/2008	13:27:05	0.037
4/29/2008	13:42:05	0.035
4/29/2008	13:57:05	0.032
4/29/2008	14:12:05	0.032
4/29/2008	14:27:05	0.034
4/29/2008	14:42:05	0.035
4/29/2008	14:57:05	0.036

		T (ID) (
Serial Number:	23442	Test ID: 41
Start Date:	5/1/2008	Dust Trak 1
Start Time:	7:23:11	
Statistics	Average:	0.033
	Minimum:	0.03
	Time of Min:	14:23:11
	Maximum:	0.038
	Time of Max:	7:53:11
Calibration	Cal. date	10/24/2007
. <u></u>		
Date (MM/dd/yyyy)	Time (hh:mm:ss)	Aerosol (mg/m^3)
5/1/2008	7:38:11	0.035
5/1/2008	7:53:11	0.038
5/1/2008	8:08:11	0.035
5/1/2008	8:23:11	0.038
5/1/2008	8:38:11	0.034
5/1/2008	8:53:11	0.035
5/1/2008	9:08:11	0.034
5/1/2008	9:23:11	0.032
5/1/2008	9:38:11	0.033
5/1/2008	9:53:11	0.036
5/1/2008	10:08:11	0.034
5/1/2008	10:23:11	0.034
5/1/2008	10:38:11	0.034
5/1/2008	10:53:11	0.033
5/1/2008	11:08:11	0.033
5/1/2008	11:23:11	0.034
5/1/2008	11:38:11	0.034
5/1/2008	11:53:11	0.035
5/1/2008	12:08:11	0.033
5/1/2008	12:23:11	0.033
5/1/2008	12:38:11	0.033
5/1/2008	12:53:11	0.032
5/1/2008	13:08:11	0.032
5/1/2008	13:23:11	0.032
5/1/2008	13:38:11	0.034
5/1/2008	13:53:11	0.032
5/1/2008	14.08.11	0.031
5/1/2008	14.23.11	0.03
5/1/2008	14:38:11	0.00
5/1/2008	14.53.11	0.001
5/1/2008	15.08.11	0.00

Serial Number:	23442	Test ID: 42
Start Date:	5/2/2008	Dust Trak 1
Start Time:	7:45:26	
Statistics	Average:	0.055
	Minimum:	0.032
	Time of Min:	9:45:26
	Maximum:	0.123
	Time of Max:	11:15:26
Calibration	Cal. date	10/24/2007

Date (MM/dd/yyyy)	Time (hh:mm:ss)	Aerosol (mg/m^3)
5/2/2008	8:00:26	0.042
5/2/2008	8:15:26	0.037
5/2/2008	8:30:26	0.062
5/2/2008	8:45:26	0.043
5/2/2008	9:00:26	0.067
5/2/2008	9:15:26	0.059
5/2/2008	9:30:26	0.033
5/2/2008	9:45:26	0.032
5/2/2008	10:00:26	0.033
5/2/2008	10:15:26	0.044
5/2/2008	10:30:26	0.058
5/2/2008	10:45:26	0.038
5/2/2008	11:00:26	0.046
5/2/2008	11:15:26	0.123
5/2/2008	11:30:26	0.036
5/2/2008	11:45:26	0.043
5/2/2008	12:00:26	0.039
5/2/2008	12:15:26	0.04
5/2/2008	12:30:26	0.037
5/2/2008	12:45:26	0.037
5/2/2008	13:00:26	0.066
5/2/2008	13:15:26	0.071
5/2/2008	13:30:26	0.108
5/2/2008	13:45:26	0.112
5/2/2008	14:00:26	0.047
5/2/2008	14:15:26	0.049
5/2/2008	14:30:26	0.067
5/2/2008	14:45:26	0.063
5/2/2008	15:00:26	0.053

Serial Number:	85201514	Test ID: 41	Serial Number:	
Start Date:	4/7/2008	Dust Trak 2	Start Date:	
Start Time:	8:16:48		Start Time:	
Statistics	Average:	0.018	Statistics	Avera
Claliblico	Minimum:	0.01		Minim
	Time of Min:	14:31:48		Time
	Maximum:	0.053		Maxin
	Time of Max:	11:31:48		Time
Calibration	Cal. date	10/24/2007	Calibration	Cal. d
Date (MM/dd/www)	Time (hh:mm:ss)	Aerosol (ma/m^3)	Date (MM/dd/www)	Time
<u>4/7/2008</u>	8.31.48	0.015	4/8/2008	TITIC
4/7/2008	8:46:48	0.018	4/8/2008	
4/7/2008	9:01:48	0.015	4/8/2008	
4/7/2008	9:16:48	0.015	4/8/2008	
4/7/2008	9:31:48	0.019	4/8/2008	
4/7/2008	9:46:48	0.024	4/8/2008	
4/7/2008	10:01:48	0.023	4/8/2008	
4/7/2008	10:16:48	0.016	4/8/2008	
4/7/2008	10:31:48	0.016	4/8/2008	
4/7/2008	10:46:48	0.02	4/8/2008	
4/7/2008	11:01:48	0.018	4/8/2008	
4/7/2008	11:16:48	0.031	4/8/2008	
4/7/2008	11:31:48	0.053	4/8/2008	1
4/7/2008	11:46:48	0.02	4/8/2008	
4/7/2008	12:01:48	0.019	4/8/2008	1
4/7/2008	12:16:48	0.018	4/8/2008	
4/7/2008	12:31:48	0.014	4/8/2008	1
4/7/2008	12:46:48	0.013	4/8/2008	1
4/7/2008	13:01:48	0.013	4/8/2008	1
4/7/2008	13:16:48	0.015	4/8/2008	
4/7/2008	13:31:48	0.014	4/8/2008	1
4/7/2008	13:46:48	0.013	4/8/2008	1
4/7/2008	14:01:48	0.015	4/8/2008	
4/7/2008	14:16:48	0.013	4/8/2008	
4/7/2008	14:31:48	0.01	4/8/2008	
4/7/2008	14:46:48	0.011	4/8/2008	
4/7/2008	15:01:48	0.012	4/8/2008	
			4/0/0000	1

Serial Number:	85201514	Test ID: 42
Start Date:	4/8/2008	Dust Trak 2
Start Time:	7:15:29	
Statistics	Average:	0.025 (mg/m^3)
	Minimum:	0.008
	Time of Min:	15:15:29
	Maximum:	0.123
	Time of Max:	8:15:29
Calibration	Cal. date	10/24/2007
Date (MM/dd/yyyy)	Time (hh:mm:ss)	Aerosol (mg/m^3)
4/8/2008	7:30:29	0.01
4/8/2008	7:45:29	0.012
4/8/2008	8:00:29	0.012
4/8/2008	8:15:29	0.123
4/8/2008	8:30:29	0.101
4/8/2008	8:45:29	0.01
4/8/2008	9:00:29	0.013
4/8/2008	9:15:29	0.011
4/8/2008	9:30:29	0.02
4/8/2008	9:45:29	0.037
4/8/2008	10:00:29	0.011
4/8/2008	10:15:29	0.051
4/8/2008	10:30:29	0.026
4/8/2008	10:45:29	0.012
4/8/2008	11:00:29	0.013
4/8/2008	11:15:29	0.01
4/8/2008	11:30:29	0.017
4/8/2008	11:45:29	0.012
4/8/2008	12:00:29	0.01
4/8/2008	12:15:29	0.013
4/8/2008	12:30:29	0.009
4/8/2008	12:45:29	0.009
4/8/2008	13:00:29	0.012
4/8/2008	13:15:29	0.016
4/8/2008	13:30:29	0.009
4/8/2008	13:45:29	0.01
4/8/2008	14:00:29	0.022
4/8/2008	14:15:29	0.009
4/8/2008	14:30:29	0.011
4/8/2008	14:45:29	0.03
4/8/2008	15:00:29	0.017
4/8/2008	15:15:29	0.008

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Serial Number:	85201503	Test ID: 21
Start Date:	4/10/2008	Dust Trak 2
Start Time:	7:58:00	
Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.072
	Minimum:	0.054
	Time of Minimum:	9:13:00
	Maximum:	0.087
	Time of Maximum:	11:43:00
Calibration	Cal. date	5/19/2006
Date (MM/dd/yyyy)	Time (hh:mm:ss)	Aerosol (mg/m^3)
4/10/2008	8:13:00	0.073
4/10/2008	8:28:00	0.07
4/10/2008	8:43:00	0.061
4/10/2008	8:58:00	0.057
4/10/2008	9:13:00	0.054
4/10/2008	9:28:00	0.056
4/10/2008	9:43:00	0.064
4/10/2008	9:58:00	0.073
4/10/2008	10:13:00	0.072
4/10/2008	10:28:00	0.076
4/10/2008	10:43:00	0.082
4/10/2008	10:58:00	0.085
4/10/2008	11:13:00	0.083
4/10/2008	11:28:00	0.082
4/10/2008	11:43:00	0.087
4/10/2008	11:58:00	0.086
4/10/2008	12:13:00	0.081
4/10/2008	12:28:00	0.073
4/10/2008	12:43:00	0.07
4/10/2008	12:58:00	0.069
4/10/2008	13:13:00	0.066
4/10/2008	13:28:00	0.066
4/10/2008	13:43:00	0.066
4/10/2008	13:58:00	0.072
4/10/2008	14:13:00	0.08

Serial Number:	85200316	Test ID: 22
Start Date:	4/11/2008	Dust Trak 2
Start Time:	7:59:47	
Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.103
	Minimum:	0.084
	Time of Minimum:	8:59:47
	Maximum:	0.125
	Time of Maximum:	11:44:47
Calibration	Cal. date	10/24/2002
Date (MM/dd/yyyy)	Time (hh:mm:ss)	Aerosol (mg/m^3)
4/11/2008	8:14:47	0.097
4/11/2008	8:29:47	0.096
4/11/2008	8:44:47	0.09
4/11/2008	8:59:47	0.084
4/11/2008	9:14:47	0.085
4/11/2008	9:29:47	0.085
4/11/2008	9:44:47	0.096
4/11/2008	9:59:47	0.105
4/11/2008	10:14:47	0.107
4/11/2008	10:29:47	0.109
4/11/2008	10:44:47	0.115
4/11/2008	10:59:47	0.12
4/11/2008	11:14:47	0.119
4/11/2008	11:29:47	0.119
4/11/2008	11:44:47	0.125
4/11/2008	11:59:47	0.12
4/11/2008	12:14:47	0.115
4/11/2008	12:29:47	0.104
4/11/2008	12:44:47	0.099
4/11/2008	12:59:47	0.096
4/11/2008	13:14:47	0.092
4/11/2008	13:29:47	0.096
4/11/2008	13:44:47	0.092
4/11/2008	13:59:47	0.103
4/11/2008	14.14:47	0.101

Start Date: 4/21/2008 Dust Trak 2 Start Time: 8:08:55 Statistics Average: 0.018 (mg/m^3) Minimum: 0.008 Time of Min: 8:38:55 Maximum: 0.029 Time of Max: 14:08:55 Calibration Cal. date 4/26/2005 Date (MM/dd/yyyy) Time (hh:mm:ss) Aerosol (mg/m^3) 4/21/2008 8:23:55 0.012 4/21/2008 8:38:55 0.008 4/21/2008 8:38:55 0.011 4/21/2008 9:08:55 0.011 4/21/2008 9:33:55 0.015 4/21/2008 9:53:55 0.019 4/21/2008 10:08:55 0.021 4/21/2008 10:38:55 0.019 4/21/2008 10:38:55 0.021 4/21/2008 11:23:55 0.021 4/21/2008 11:23:55 0.023 4/21/2008 11:23:55 0.023 4/21/2008 11:23:55 0.023 4/21	Serial Number:	85200316	Test ID: 23
Start Time: 8:08:55 Statistics Average: 0.018 (mg/m^3) Minimum: 0.008 Time of Min: 8:38:55 Maximum: 0.029 Time of Max: 14:08:55 Calibration Cal. date 4/26/2005 Date (MM/dd/yyyy) Time (hh:mm:ss) Aerosol (mg/m^3) 4/21/2008 8:23:55 0.012 4/21/2008 8:53:55 0.008 4/21/2008 8:53:55 0.011 4/21/2008 9:08:55 0.011 4/21/2008 9:23:55 0.015 4/21/2008 9:38:55 0.018 4/21/2008 9:53:55 0.019 4/21/2008 10:23:55 0.019 4/21/2008 10:23:55 0.024 4/21/2008 10:23:55 0.024 4/21/2008 11:23:55 0.024 4/21/2008 11:23:55 0.025 4/21/2008 11:23:55 0.025 4/21/2008 12:23:55 0.014 4/21/2008	Start Date:	4/21/2008	Dust Trak 2
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4/21/2008 11:08:55 0.021 4/21/2008 11:23:55 0.02 4/21/2008 11:38:55 0.023 4/21/2008 11:38:55 0.023 4/21/2008 11:53:55 0.028 4/21/2008 12:08:55 0.025 4/21/2008 12:08:55 0.025 4/21/2008 12:38:55 0.016 4/21/2008 12:38:55 0.014 4/21/2008 12:33:55 0.014 4/21/2008 13:23:55 0.016 4/21/2008 13:23:55 0.016 4/21/2008 13:38:55 0.016 4/21/2008 13:38:55 0.016 4/21/2008 13:38:55 0.029 4/21/2008 14:23:55 0.029 4/21/2008 14:23:55 0.021 4/21/2008 14:38:55 0.021 4/21/2008 14:23:55 0.021 4/21/2008 14:23:55 0.021 4/21/2008 14:23:55 0.021 4/21/2008 14	4/21/2008	10:53:55	0.024
4/21/2008 11:23:55 0.02 4/21/2008 11:38:55 0.023 4/21/2008 11:53:55 0.028 4/21/2008 11:53:55 0.025 4/21/2008 12:08:55 0.025 4/21/2008 12:23:55 0.016 4/21/2008 12:38:55 0.014 4/21/2008 12:53:55 0.014 4/21/2008 13:08:55 0.016 4/21/2008 13:23:55 0.016 4/21/2008 13:38:55 0.016 4/21/2008 13:38:55 0.016 4/21/2008 13:38:55 0.016 4/21/2008 13:38:55 0.029 4/21/2008 14:23:55 0.029 4/21/2008 14:23:55 0.021 4/21/2008 14:38:55 0.021 4/21/2008 14:38:55 0.021 4/21/2008 14:23:55 0.021 4/21/2008 14:53:55 0.027 4/21/2008 15:08:55 0.017 4/21/2008 15	4/21/2008	11:08:55	0.021
4/21/2008 11:38:55 0.023 4/21/2008 11:53:55 0.028 4/21/2008 12:08:55 0.025 4/21/2008 12:08:55 0.025 4/21/2008 12:23:55 0.016 4/21/2008 12:38:55 0.014 4/21/2008 12:53:55 0.014 4/21/2008 13:08:55 0.016 4/21/2008 13:23:55 0.016 4/21/2008 13:38:55 0.016 4/21/2008 13:38:55 0.016 4/21/2008 13:38:55 0.016 4/21/2008 14:08:55 0.029 4/21/2008 14:23:55 0.021 4/21/2008 14:38:55 0.021 4/21/2008 14:38:55 0.021 4/21/2008 14:53:55 0.021 4/21/2008 14:53:55 0.027 4/21/2008 15:08:55 0.017 4/21/2008 15:08:55 0.017	4/21/2008	11:23:55	0.02
4/21/2008 11:53:55 0.028 4/21/2008 12:08:55 0.025 4/21/2008 12:23:55 0.016 4/21/2008 12:38:55 0.014 4/21/2008 12:38:55 0.014 4/21/2008 12:38:55 0.014 4/21/2008 13:08:55 0.016 4/21/2008 13:23:55 0.016 4/21/2008 13:38:55 0.016 4/21/2008 13:38:55 0.016 4/21/2008 13:38:55 0.016 4/21/2008 13:53:55 0.016 4/21/2008 14:23:55 0.029 4/21/2008 14:23:55 0.021 4/21/2008 14:38:55 0.021 4/21/2008 14:38:55 0.021 4/21/2008 14:53:55 0.027 4/21/2008 15:08:55 0.017 4/21/2008 15:08:55 0.017	4/21/2008	11:38:55	0.023
4/21/2008 12:08:55 0.025 4/21/2008 12:23:55 0.016 4/21/2008 12:38:55 0.014 4/21/2008 12:53:55 0.014 4/21/2008 12:53:55 0.016 4/21/2008 13:08:55 0.016 4/21/2008 13:23:55 0.016 4/21/2008 13:38:55 0.016 4/21/2008 13:53:55 0.016 4/21/2008 13:53:55 0.016 4/21/2008 14:23:55 0.029 4/21/2008 14:23:55 0.021 4/21/2008 14:38:55 0.021 4/21/2008 14:53:55 0.021 4/21/2008 14:53:55 0.021 4/21/2008 14:53:55 0.021 4/21/2008 14:53:55 0.021 4/21/2008 15:08:55 0.017 4/21/2008 15:08:55 0.017	4/21/2008	11:53:55	0.028
4/21/2008 12:23:55 0.016 4/21/2008 12:38:55 0.014 4/21/2008 12:53:55 0.014 4/21/2008 12:53:55 0.014 4/21/2008 13:08:55 0.016 4/21/2008 13:23:55 0.016 4/21/2008 13:38:55 0.016 4/21/2008 13:38:55 0.016 4/21/2008 13:53:55 0.016 4/21/2008 13:53:55 0.016 4/21/2008 14:23:55 0.029 4/21/2008 14:23:55 0.021 4/21/2008 14:38:55 0.021 4/21/2008 14:53:55 0.027 4/21/2008 15:08:55 0.017 4/21/2008 15:08:55 0.017	4/21/2008	12:08:55	0.025
4/21/2008 12:38:55 0.014 4/21/2008 12:53:55 0.014 4/21/2008 12:53:55 0.014 4/21/2008 13:08:55 0.016 4/21/2008 13:23:55 0.016 4/21/2008 13:38:55 0.016 4/21/2008 13:38:55 0.016 4/21/2008 13:53:55 0.016 4/21/2008 14:08:55 0.029 4/21/2008 14:23:55 0.021 4/21/2008 14:38:55 0.021 4/21/2008 14:38:55 0.021 4/21/2008 14:53:55 0.027 4/21/2008 15:08:55 0.017 4/21/2008 15:08:55 0.017	4/21/2008	12:23:55	0.016
4/21/2008 12:53:55 0.014 4/21/2008 13:08:55 0.016 4/21/2008 13:23:55 0.016 4/21/2008 13:38:55 0.016 4/21/2008 13:38:55 0.016 4/21/2008 13:53:55 0.016 4/21/2008 13:53:55 0.016 4/21/2008 14:08:55 0.029 4/21/2008 14:23:55 0.021 4/21/2008 14:38:55 0.021 4/21/2008 14:53:55 0.027 4/21/2008 14:53:55 0.027 4/21/2008 15:08:55 0.017 4/21/2008 15:08:55 0.017	4/21/2008	12:38:55	0.014
4/21/2008 13:08:55 0.016 4/21/2008 13:23:55 0.016 4/21/2008 13:23:55 0.016 4/21/2008 13:38:55 0.016 4/21/2008 13:53:55 0.016 4/21/2008 13:53:55 0.016 4/21/2008 14:08:55 0.029 4/21/2008 14:23:55 0.021 4/21/2008 14:38:55 0.021 4/21/2008 14:53:55 0.027 4/21/2008 15:08:55 0.017 4/21/2008 15:08:55 0.017	4/21/2008	12:53:55	0.014
4/21/2008 13:23:55 0.016 4/21/2008 13:38:55 0.016 4/21/2008 13:38:55 0.016 4/21/2008 13:53:55 0.016 4/21/2008 13:53:55 0.016 4/21/2008 14:08:55 0.029 4/21/2008 14:23:55 0.021 4/21/2008 14:38:55 0.021 4/21/2008 14:53:55 0.027 4/21/2008 15:08:55 0.017 4/21/2008 15:08:55 0.017	4/21/2008	13:08:55	0.016
4/21/2008 13:38:55 0.016 4/21/2008 13:53:55 0.016 4/21/2008 13:53:55 0.029 4/21/2008 14:23:55 0.029 4/21/2008 14:23:55 0.021 4/21/2008 14:38:55 0.021 4/21/2008 14:53:55 0.027 4/21/2008 14:53:55 0.027 4/21/2008 15:08:55 0.017 4/21/2008 15:08:55 0.017	4/21/2008	13:23:55	0.016
4/21/2008 13:53:55 0.016 4/21/2008 14:08:55 0.029 4/21/2008 14:23:55 0.02 4/21/2008 14:38:55 0.021 4/21/2008 14:53:55 0.021 4/21/2008 14:53:55 0.021 4/21/2008 14:53:55 0.027 4/21/2008 15:08:55 0.017	4/21/2008	13:38:55	0.016
4/21/2008 14:08:55 0.029 4/21/2008 14:23:55 0.02 4/21/2008 14:38:55 0.021 4/21/2008 14:53:55 0.021 4/21/2008 14:53:55 0.027 4/21/2008 15:08:55 0.017 4/21/2008 15:08:55 0.017	4/21/2008	13:53:55	0.016
4/21/2008 14:23:55 0.02 4/21/2008 14:38:55 0.021 4/21/2008 14:53:55 0.027 4/21/2008 15:08:55 0.017 4/21/2008 15:08:55 0.017	4/21/2008	14:08:55	0.029
4/21/2008 14:38:55 0.021 4/21/2008 14:53:55 0.027 4/21/2008 15:08:55 0.017 4/21/2008 15:08:55 0.017	4/21/2008	14:23:55	0.02
4/21/2008 14:53:55 0.027 4/21/2008 15:08:55 0.017 4/21/2008 15:23:55 0.018	4/21/2008	14:38:55	0.021
<u>4/21/2008</u> <u>15:08:55</u> <u>0.017</u>	4/21/2008	14:53:55	0.027
	4/21/2008	15:08:55	0.017

- · · · ·				Г
Serial Number:	85200316	Test ID: 24	Serial Number:	8
Start Date:	4/22/2008	Dust Trak 2	Start Date:	4
Start Time:	7:02:01		Start Time:	
Statistics	Average:	0.01	Statistics	Average:
	Minimum:	0.008		Minimum
	Time of Min:	10:32:01		Time of M
	Maximum:	0.017		Maximum
	Time of Max:	14:32:01		Time of N
Date (MM/dd/\\\\\)	Time (bb:mm:ss)	Aerosol (mg/mA3)	Date (MM/dd/\\\\\)	Time (bb
	7:17:01			
4/22/2000	7.17.01	0.012	4/23/2000	
4/22/2008	7.32.01	0.011	4/23/2008	
4/22/2000	9:02:01	0.012	4/23/2000	
4/22/2008	9:17:01	0.01	4/23/2008	
4/22/2008	0.17.01	0.01	4/23/2008	
4/22/2008	8:47:01	0.01	4/23/2008	
4/22/2000	0.47.01	0.009	4/23/2008	
4/22/2000	9.02.01	0.009	4/23/2008	
4/22/2000	0.32.01	0.003	4/23/2008	
4/22/2000	9.32.01	0.01	4/23/2008	
4/22/2000	10:02:01	0.009	4/23/2000	
4/22/2000	10:02:01	0.009	4/23/2008	
4/22/2008	10:32:01	0.008	4/23/2008	
4/22/2008	10:47:01	0.008	4/23/2008	
4/22/2008	11:02:01	0.008	4/23/2008	
4/22/2008	11:17:01	0.01	4/23/2008	
4/22/2008	11:32:01	0.009	4/23/2008	1
4/22/2008	11:47:01	0.008	4/23/2008	
4/22/2008	12:02:01	0.009	4/23/2008	
4/22/2008	12:17:01	0.009	4/23/2008	
4/22/2008	12:32:01	0.01	4/23/2008	
4/22/2008	12:47:01	0.01	4/23/2008	
4/22/2008	13:02:01	0.01	4/23/2008	
4/22/2008	13:17:01	0.011	4/23/2008	
4/22/2008	13:32:01	0.011	4/23/2008	
4/22/2008	13:47:01	0.012	4/23/2008	
4/22/2008	14:02:01	0.011	4/23/2008	
4/22/2008	14:17:01	0.011	4/23/2008	
4/22/2008	14:32:01	0.017	4/23/2008	
4/22/2008	14:47:01	0.014	4/23/2008	
		-	1/23/2009	

85200316	Test ID: 25
4/23/2008	Dust Trak 2
6:56:38	
	85200316 4/23/2008 6:56:38

Statistics	Average:	0.013
	Minimum:	0.006
	Time of Min:	14:11:38
	Maximum:	0.084
	Time of Max:	7:41:38

Date (MM/dd/yyyy)	Time (hh:mm:ss)	Aerosol (mg/m^3)
4/23/2008	7:11:38	0.021
4/23/2008	7:26:38	0.032
4/23/2008	7:41:38	0.084
4/23/2008	7:56:38	0.01
4/23/2008	8:11:38	0.009
4/23/2008	8:26:38	0.009
4/23/2008	8:41:38	0.008
4/23/2008	8:56:38	0.008
4/23/2008	9:11:38	0.008
4/23/2008	9:26:38	0.008
4/23/2008	9:41:38	0.008
4/23/2008	9:56:38	0.016
4/23/2008	10:11:38	0.01
4/23/2008	10:26:38	0.013
4/23/2008	10:41:38	0.012
4/23/2008	10:56:38	0.015
4/23/2008	11:11:38	0.012
4/23/2008	11:26:38	0.008
4/23/2008	11:41:38	0.008
4/23/2008	11:56:38	0.008
4/23/2008	12:11:38	0.009
4/23/2008	12:26:38	0.007
4/23/2008	12:41:38	0.007
4/23/2008	12:56:38	0.01
4/23/2008	13:11:38	0.021
4/23/2008	13:26:38	0.007
4/23/2008	13:41:38	0.007
4/23/2008	13:56:38	0.007
4/23/2008	14:11:38	0.006
4/23/2008	14:26:38	0.008
4/23/2008	14:41:38	0.008
4/23/2008	14:56:38	0.006

Serial Number:	85200316	Test ID: 26	Serial Number:	85200316	Test ID: 27
Start Date:	4/28/2008	Dust Trak 2	Start Date:	4/29/2008	Dust Trak 2
Start Time:	7:23:00		Start Time:	7:19:48	
Statistics	Average:	0.021	Statistics	Average:	0.019
	Minimum:	0.013		Minimum:	0.014
	Time of Min:	7:53:00		Time of Min:	11:49:48
	Maximum:	0.048		Maximum:	0.054
	Time of Max:	14:23:00		Time of Max:	13:19:48
Date (MM/dd/yyyy)	Time (hh:mm:ss)	Aerosol (mg/m^3)	Date (MM/dd/yyyy)	Time (hh:mm:ss)	Aerosol (mg/m^3)
4/28/2008	7:38:00	0.014	4/29/2008	7:34:48	0.021
4/28/2008	7:53:00	0.013	4/29/2008	7:49:48	0.019
4/28/2008	8:08:00	0.014	4/29/2008	8:04:48	0.021
4/28/2008	8:23:00	0.014	4/29/2008	8:19:48	0.02
4/28/2008	8:38:00	0.015	4/29/2008	8:34:48	0.02
4/28/2008	8:53:00	0.017	4/29/2008	8:49:48	0.02
4/28/2008	9:08:00	0.015	4/29/2008	9:04:48	0.018
4/28/2008	9:23:00	0.015	4/29/2008	9:19:48	0.016
4/28/2008	9:38:00	0.015	4/29/2008	9:34:48	0.016
4/28/2008	9:53:00	0.015	4/29/2008	9:49:48	0.018
4/28/2008	10:08:00	0.023	4/29/2008	10:04:48	0.016
4/28/2008	10:23:00	0.02	4/29/2008	10:19:48	0.015
4/28/2008	10:38:00	0.02	4/29/2008	10:34:48	0.015
4/28/2008	10:53:00	0.02	4/29/2008	10:49:48	0.015
4/28/2008	11:08:00	0.019	4/29/2008	11:04:48	0.015
4/28/2008	11:23:00	0.022	4/29/2008	11:19:48	0.015
4/28/2008	11:38:00	0.021	4/29/2008	11:34:48	0.016
4/28/2008	11:53:00	0.024	4/29/2008	11:49:48	0.014
4/28/2008	12:08:00	0.029	4/29/2008	12:04:48	0.014
4/28/2008	12:23:00	0.019	4/29/2008	12:19:48	0.015
4/28/2008	12:38:00	0.02	4/29/2008	12:34:48	0.015
4/28/2008	12:53:00	0.024	4/29/2008	12:49:48	0.014
4/28/2008	13:08:00	0.039	4/29/2008	13:04:48	0.015
4/28/2008	13:23:00	0.024	4/29/2008	13:19:48	0.054
4/28/2008	13:38:00	0.024	4/29/2008	13:34:48	0.015
4/28/2008	13:53:00	0.023	4/29/2008	13:49:48	0.015
4/28/2008	14:08:00	0.023	4/29/2008	14:04:48	0.015
4/28/2008	14:23:00	0.048	4/29/2008	14:19:48	0.022
4/28/2008	14:38:00	0.026	4/29/2008	14:34:48	0.022
4/28/2008	14:53:00	0.023	4/29/2008	14:49:48	0.032
			4/29/2008	15:04:48	0.027

Serial Number:	85200316	Test ID: 28	Serial Number:	85200316	Test ID: 29
Start Date:	5/1/2008	Dust Trak 2	Start Date:	5/2/2008	Dust Trak 2
Start Time:	7:13:28		Start Time:	7:10:27	
Statistics	Average:	0.013	Statistics	Average:	0.009
	Minimum:	0.008		Minimum:	0.005
	Time of Min:	8:28:28		Time of Min:	10:25:27
	Maximum:	0.031		Maximum:	0.025
	Time of Max:	13:13:28		Time of Max:	7:25:27
Date (MM/dd/yyyy)	Time (hh:mm:ss)	Aerosol (mg/m^3)	Date (MM/dd/yyyy)	Time (hh:mm:ss)	Aerosol (mg/m^3)
5/1/2008	7:28:28	0.012	5/2/2008	7:25:27	0.025
5/1/2008	7:43:28	0.01	5/2/2008	7:40:27	0.018
5/1/2008	7:58:28	0.01	5/2/2008	7:55:27	0.013
5/1/2008	8:13:28	0.01	5/2/2008	8:10:27	0.012
5/1/2008	8:28:28	0.008	5/2/2008	8:25:27	0.007
5/1/2008	8:43:28	0.009	5/2/2008	8:40:27	0.008
5/1/2008	8:58:28	0.008	5/2/2008	8:55:27	0.006
5/1/2008	9:13:28	0.008	5/2/2008	9:10:27	0.006
5/1/2008	9:28:28	0.008	5/2/2008	9:25:27	0.006
5/1/2008	9:43:28	0.009	5/2/2008	9:40:27	0.006
5/1/2008	9:58:28	0.01	5/2/2008	9:55:27	0.009
5/1/2008	10:13:28	0.008	5/2/2008	10:10:27	0.006
5/1/2008	10:28:28	0.008	5/2/2008	10:25:27	0.005
5/1/2008	10:43:28	0.008	5/2/2008	10:40:27	0.006
5/1/2008	10:58:28	0.008	5/2/2008	10:55:27	0.005
5/1/2008	11:13:28	0.012	5/2/2008	11:10:27	0.007
5/1/2008	11:28:28	0.021	5/2/2008	11:25:27	0.008
5/1/2008	11:43:28	0.014	5/2/2008	11:40:27	0.006
5/1/2008	11:58:28	0.026	5/2/2008	11:55:27	0.006
5/1/2008	12:13:28	0.019	5/2/2008	12:10:27	0.007
5/1/2008	12:28:28	0.009	5/2/2008	12:25:27	0.012
5/1/2008	12:43:28	0.009	5/2/2008	12:40:27	0.01
5/1/2008	12:58:28	0.026	5/2/2008	12:55:27	0.007
5/1/2008	13:13:28	0.031	5/2/2008	13:10:27	0.006
5/1/2008	13:28:28	0.02	5/2/2008	13:25:27	0.007
5/1/2008	13:43:28	0.014	5/2/2008	13:40:27	0.009
5/1/2008	13:58:28	0.011	5/2/2008	13:55:27	0.007
5/1/2008	14:13:28	0.013	5/2/2008	14:10:27	0.011
5/1/2008	14:28:28	0.021	5/2/2008	14:25:27	0.011
5/1/2008	14:43:28	0.016	5/2/2008	14:40:27	0.006
5/1/2008	14:58:28	0.012	5/2/2008	14:55:27	0.006
			5/2/2008	15:10:27	0.009

Instrument: AreaRE	A Serial Number: 1	25789
Data Points: 35	Gas Name: Isobutylene	Sample Period: 900 sec
Last Calibration Tim	e: 10/04/2007	

Measurement Type: High Alarm Levels: Low Alarm Levels:			Min(ppm) 100 50		Avg(ppm) 100 50		Max(ppm) 100 50	
Line#	Date	Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
	======= 1	4/7/2008 7:01			 0		 0	
	2	4/7/2008 7:16			0		0	
:	3	4/7/2008 7:31			0		0	
	4	4/7/2008 7:46			0		0	
4	5	4/7/2008 8:01			0		0	
(6	4/7/2008 8:16			0		0	
	7	4/7/2008 8:31			0		0	
:	8	4/7/2008 8:46			0		0	
9	9	4/7/2008 9:01			0		0	
10	0	4/7/2008 9:16			0		0	
1	1	4/7/2008 9:31			0		0	
1:	2	4/7/2008 9:46			0		0	
1:	3	4/7/2008 10:01			0		0	
1.	4	4/7/2008 10:16			0		0	
1	5	4/7/2008 10:31			0		0	
1	6	4/7/2008 10:46			0		0	
1	7	4/7/2008 11:01			0		0	
1	8	4/7/2008 11:16			0		0	
1	9	4/7/2008 11:31			0		0	
2	0	4/7/2008 11:46			0		0	
2	1	4/7/2008 12:01			0		0	
2	2	4/7/2008 12:16			0		0	
2	3	4/7/2008 12:31			0		0	
24	4	4/7/2008 12:46			0		0	
2	5	4/7/2008 13:01			0		0	
2	6	4/7/2008 13:16			0		0	
2	7	4/7/2008 13:31			0		0	
2	8	4/7/2008 13:46			0		0	
29	9	4/7/2008 14:01			0		0	
3	0	4/7/2008 14:16			0		0	
3	1	4/7/2008 14:31			0		0	
32	2	4/7/2008 14:46			0		0	
3	3	4/7/2008 15:01			0		0	
34	4	4/7/2008 15:16			0		0	
3	5	4/7/2008 15:31			0		0	
Instrument: AreaRE	A Serial Number: 12	5789						
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Data Points: 37	Gas Name: Isobutylene	Sample Period: 900 sec						
Last Calibration Tim	e: 10/04/2007							

High Al	Measurement Type: High Alarm Levels: Low Alarm Levels:			Min(ppm) 100 50		Avg(ppm) 100 50		Max(ppm) 100 50	
===== Line#	Date	Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm	
	======================================	======================================			 0		 0		
	2 4/8/200	8 7:00			0		0		
	3 4/8/200	8 7:15			0		0		
4	4 4/8/200	8 7:30			0		0		
į	5 4/8/200	8 7:45			0		0		
(6 4/8/200	8 8:00			0		0		
-	7 4/8/200	8 8:15			0		0		
8	8 4/8/200	8 8:30			0		0		
9	9 4/8/200	8 8:45			0		0		
1(0 4/8/200	8 9:00			0		0		
1	1 4/8/2008	8 9:15			0		0		
1:	2 4/8/200	8 9:30			0		0		
1:	3 4/8/200	8 9:45			0		0		
14	4 4/8/2008	8 10:00			0		0		
1:	5 4/8/200	8 10:15			0		0		
10	6 4/8/200	8 10:30			0.1		0.4		
1	7 4/8/200	8 10:45			0		0		
18	8 4/8/200	8 11:00			0		0		
19	9 4/8/200	8 11:15			0		0		
20	0 4/8/200	8 11:30			0		0		
2	1 4/8/200	8 11:45			0		0		
22	2 4/8/200	8 12:00			0		0		
23	3 4/8/200	8 12:15			0		0		
24	4 4/8/200	8 12:30			0		0		
2	5 4/8/200	8 12:45			0		0		
20	6 4/8/200	8 13:00			0		0		
2	7 4/8/200	8 13:15			0		0		
28	8 4/8/200	8 13:30			0		0		
29	9 4/8/200	8 13:45			0		0		
30	0 4/8/200	8 14:00			0		0		
3	1 4/8/200	8 14:15			0		0		
32	2 4/8/200	8 14:30			0		0		
33	3 4/8/200	8 14:45			0		0		
34	4 4/8/2008	8 15:00			0.1		0.2		
3	5 4/8/200	8 15:15			0		0		
30	6 4/8/200	8 15:30			0		0		
3	7 4/8/200	8 15:45			0		0		

Instrument: AreaRE	A Serial Number: 12	25789
Data Points: 31	Gas Name: Isobutylene	Sample Period: 900 sec
Last Calibration Tim	e: 10/04/2007	

Measu High Al Low Al	Measurement Type: High Alarm Levels: Low Alarm Levels:			=======	Min(ppm) 100 50		Avg(ppm) 100 50		======= Max(ppm) 100 50		
Line#	Date		Time		Min(ppm)		Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
	====== 1	4/9/2008	 7:12			====		=================(======:)	=========== 0	
:	2	4/9/2008	7:27					()	0	
	3	4/9/2008	7:42					()	0	
4	4	4/9/2008	7:57					()	0	
ł	5	4/9/2008	8:12					()	0	
(6	4/9/2008	8:27					()	0.1	
-	7	4/9/2008	8:42					()	0	
8	8	4/9/2008	8:57					()	0	
9	9	4/9/2008	9:12					()	0	
1(C	4/9/2008	9:27					()	0	
1	1	4/9/2008	9:42					()	0	
1:	2	4/9/2008	9:57					()	0	
1:	3	4/9/2008	10:12					()	0	
14	4	4/9/2008	10:27					()	0	
1	5	4/9/2008	10:42					()	0	
10	6	4/9/2008	10:57					()	0	
1	7	4/9/2008	11:12					()	0	
18	8	4/9/2008	11:27					()	0	
19	9	4/9/2008	11:42					()	0	
20	C	4/9/2008	11:57					()	0	
2	1	4/9/2008	12:12					()	0	
22	2	4/9/2008	12:27					()	0	
23	3	4/9/2008	12:42					()	0	
24	4	4/9/2008	12:57					()	0	
2	5	4/9/2008	13:12					()	0	
20	6	4/9/2008	13:27					()	0	
2	7	4/9/2008	13:42					()	0	
28	8	4/9/2008	13:57					()	0	
29	9	4/9/2008	14:12					()	0	
30	C	4/9/2008	14:27					()	0	
3	1	4/9/2008	14:42					()	0	

Instrument: AreaRE	A Serial Number: 1	25789
Data Points: 39	Gas Name: Isobutylene	Sample Period: 900 sec
Last Calibration Tim	e: 10/04/2007	

Measu High A Low Al	Measurement Type: High Alarm Levels: Low Alarm Levels:			====== Min(ppm 10 5	========)) 50	Avg(ppm) 100 50		Max(ppm) 100 50
===== Line#	Date	Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
	====== 1	4/10/2008 6:22			 0		 0	
:	2	4/10/2008 6:37			0		0	
:	3	4/10/2008 6:52			0		0	
	4	4/10/2008 7:07			0		0	
	5	4/10/2008 7:22			0		0	
	6	4/10/2008 7:37			0		0	
	7	4/10/2008 7:52			0		0	
	8	4/10/2008 8:07			0		0	
1	9	4/10/2008 8:22			0		0	
1	0	4/10/2008 8:37			0		0	
1	1	4/10/2008 8:52			0		0	
1	2	4/10/2008 9:07			0		0	
1	3	4/10/2008 9:22			0		0	
1	4	4/10/2008 9:37			0		0	
1	5	4/10/2008 9:52			0		0	
1	6	4/10/2008 10:07			0		0	
1	7	4/10/2008 10:22			0		0	
1	8	4/10/2008 10:37			0		0	
1	9	4/10/2008 10:52			0		0	
2	0	4/10/2008 11:07			0		0	
2	1	4/10/2008 11:22			0		0	
2	2	4/10/2008 11:37			0		0	
2	3	4/10/2008 11:52			0		0	
2	4	4/10/2008 12:07			0		0	
2	5	4/10/2008 12:22			0		0	
2	6	4/10/2008 12:37			0		0	
2	7	4/10/2008 12:52			0		0	
2	8	4/10/2008 13:07			0		0	
2	9	4/10/2008 13:22			0		0	
3	0	4/10/2008 13:37			0		0	
3	1	4/10/2008 13:52			0		0	
3	2	4/10/2008 14:07			0		0	
3	3	4/10/2008 14:22			0		0	
3	4	4/10/2008 14:37			0		0	
3	5	4/10/2008 14:52			0		0	
3	6	4/10/2008 15:07			0		0	
3	7	4/10/2008 15:22			0		0	
3	8	4/10/2008 15:37			0		0	
3	9	4/10/2008 15:52			0		0	

Instrument: AreaRE	A Serial Number: 1	125789
Data Points: 28	Gas Name: Isobutylene	Sample Period: 900 sec
Last Calibration Tim	e: 10/04/2007	

High Ala Low Ala	Measurement Type: High Alarm Levels: Low Alarm Levels:				 Min(ppm) A 100 50				Max(ppm) 100 50
====== Line#	Date		 Time	======================================	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1		======= 4/11/2008	6:41					======== 0	
2	2	4/11/2008	6:56			0		0	
3	; ,	4/11/2008	7:11			0		0	
4	Ļ ,	4/11/2008	7:26			0		0	
5	, ·	4/11/2008	7:41			0		0	
6	; .	4/11/2008	7:56			0		0	
7	,	4/11/2008	8:11			0		0	
8	; .	4/11/2008	8:26			0		0	
g) .	4/11/2008	8:41			0		0	
10) .	4/11/2008	8:56			0		0	
11		4/11/2008	9:11			0		0	
12	2	4/11/2008	9:26			0		0	
13	; ;	4/11/2008	9:41			0		0	
14	ļ ,	4/11/2008	9:56			0		0	
15	;	4/11/2008	10:11			0		0	
16	; .	4/11/2008	10:26			0		0	
17	, ,	4/11/2008	10:41			0		0	
18	; .	4/11/2008	10:56			0		0	
19) .	4/11/2008	11:11			0		0	
20) .	4/11/2008	11:26			0		0	
21		4/11/2008	11:41			0		0	
22	2	4/11/2008	11:56			0		0	
23	;	4/11/2008	12:11			0		0	
24	ļ ,	4/11/2008	12:26			0		0	
25	;	4/11/2008	12:41			0		0	
26	; .	4/11/2008	12:56			0		0	
27	,	4/11/2008	13:11			0		0	
28	;	4/11/2008	13:26			0		0	

Instrument: AreaRE	A Serial Number: 1	125789
Data Points: 32	Gas Name: Isobutylene	Sample Period: 900 sec
Last Calibration Tim	e: 10/04/2007	

Measu High Al Low Ala	rement T arm Leve arm Leve	ype: els: els:		Min(ppm 10 5	n) Avg(ppr 00 11 50 50	Avg(ppm) 100 50	
Line#	Date	Time	Min(ppm)	Alarm	Avg(ppm) Alarm	Max(ppm)	Alarm
	====== 1	4/21/2008 7:01			0	 0.2	
2	2	4/21/2008 7:16			0.1	0.5	
:	3	4/21/2008 7:31			0.1	0.4	
4	4	4/21/2008 7:46			0.1	0.4	
Ę	5	4/21/2008 8:01			0.1	0.2	
6	6	4/21/2008 8:16			0.1	0.3	
7	7	4/21/2008 8:31			0.1	0.3	
8	3	4/21/2008 8:46			0.1	0.4	
ç	9	4/21/2008 9:01			0.1	0.4	
1()	4/21/2008 9:16			0	0.2	
1	1	4/21/2008 9:31			0	0.1	
12	2	4/21/2008 9:46			0	0.2	
1:	3	4/21/2008 10:01			0	0.2	
14	4	4/21/2008 10:16			0	0.2	
15	5	4/21/2008 10:31			0	0.2	
16	6	4/21/2008 10:46			0.1	0.2	
17	7	4/21/2008 11:01			0.1	0.2	
18	3	4/21/2008 11:16			1.1	1.2	
19	9	4/21/2008 11:31			0	0	
20	C	4/21/2008 11:46			0	0	
2	1	4/21/2008 12:01			0	0	
22	2	4/21/2008 12:16			0	0	
23	3	4/21/2008 12:31			0	0	
24	4	4/21/2008 12:46			0	0	
25	5	4/21/2008 13:01			0	0	
26	5	4/21/2008 13:16			0	0	
2	7	4/21/2008 13:31			0	0	
28	3	4/21/2008 13:46			0	0	
29	9	4/21/2008 14:01			0.1	0.2	
30	C	4/21/2008 14:16			0	0	
3	1	4/21/2008 14:31			0	0	
32	2	4/21/2008 14:46			0	0	

Instrument: MiniRAE 2000 (PGM7600)User ID: 00000001Site ID: 00000211Data Points: 34Gas Name: IsobutyleneLast Calibration Time: 07/06/2007 12:10

Serial Number: 013341

	==========							
Measurement Type: High Alarm Levels: Low Alarm Levels: 			Min(ppm) 100 50		Avg(ppm) 100 50		Max(ppm) 100 50	
Date		Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
 	4/22/2008	6:55			 0		 0.2	
2	4/22/2008	7:10			1.4		3.2	
3	4/22/2008	7:25			0.1		0.1	
1	4/22/2008	7:40			0.1		0.4	
5	4/22/2008	7:55			0		0	
6	4/22/2008	8:10			0.1		0.3	
7	4/22/2008	8:25			0		0.2	
3	4/22/2008	8:40			1.8		2.6	
9	4/22/2008	8:55			0.1		0.4	
)	4/22/2008	9:10			0		0.2	
	4/22/2008	9:25			0		0.1	
2	4/22/2008	9:40			0		0	
3	4/22/2008	9:55			0		0.2	
1	4/22/2008	10:10			0		0	
5	4/22/2008	10:25			0		0.2	
6	4/22/2008	10:40			0.1		0.2	
7	4/22/2008	10:55			0.2		0.3	
3	4/22/2008	11:10			1.1		1.2	
9	4/22/2008	11:25			0		0	
)	4/22/2008	11:40			0		0	
l	4/22/2008	11:55			1		1.1	
2	4/22/2008	12:10			0		0	
3	4/22/2008	12:25			0		0	
1	4/22/2008	12:40			0		0	
5	4/22/2008	12:55			0.1		0.3	
6	4/22/2008	13:10			0		0	
7	4/22/2008	13:25			0		0	
3	4/22/2008	13:40			0		0	
)	4/22/2008	13:55			0.1		0.2	
)	4/22/2008	14:10			0		0	
l	4/22/2008	14:25			0		0	
2	4/22/2008	14:40			0		0	
3	4/22/2008	14:55			0		0	
1	4/22/2008	15:10						
	rement Typ arm Levels Date Date Date	rement Type: arm Levels: arm Levels: Date Date A/22/2008	rement Type: arm Levels: Date Time $4/22/2008$ 6:55 2 $4/22/2008$ 7:10 3 $4/22/2008$ 7:25 4 $4/22/2008$ 7:55 5 $4/22/2008$ 7:55 6 $4/22/2008$ 7:55 6 $4/22/2008$ 8:10 7 $4/22/2008$ 8:55 9 $4/22/2008$ 8:55 9 $4/22/2008$ 9:10 1 $4/22/2008$ 9:25 2 $4/22/2008$ 9:55 4 $4/22/2008$ 9:55 4 $4/22/2008$ 10:10 5 $4/22/2008$ 10:25 6 $4/22/2008$ 10:25 6 $4/22/2008$ 10:25 7 $4/22/2008$ 10:55 8 $4/22/2008$ 11:20 9 $4/22/2008$ 11:25 9 $4/22/2008$ 11:25 9 $4/22/2008$ 12:25 1 $4/22/2008$ 12:25 1 $4/22/2008$ 13:25 9 $4/22/2008$ 13:25 9 $4/22/2008$ 13:25 9 $4/22/2008$ 13:40 9 $4/22/2008$	Perment Type: arm Levels: Date Time Min(ppm) 4/22/2008 6:55 2 4/22/2008 7:10 3 4/22/2008 7:25 4 4/22/2008 7:25 4 4/22/2008 7:40 5 4/22/2008 7:55 6 4/22/2008 8:10 7 4/22/2008 8:25 3 4/22/2008 8:55 0 4/22/2008 9:10 4/22/2008 9:25 4/22/2008 2 4/22/2008 9:10 4/22/2008 9:25 4/22/2008 2 4/22/2008 9:25 2 4/22/2008 9:10 4/22/2008 9:25 4/22/2008 2 4/22/2008 9:25 3 4/22/2008 10:10 5 4/22/2008 10:10 5 4/22/2008 10:155 3 4/22/2008 11:10 9 4/22/2008 11:25 9 4/22/2008 1	ement Type: Min(ppm) arm Levels: 100 arm Levels: 50 Date Time Min(ppm) Alarm 1 4/22/2008 6:55 4/22/2008 7:10 3 4/22/2008 7:25 4 4/22/2008 7:40 5 4/22/2008 7:55 4/22/2008 8:40 4/22/2008 8:55 6 4/22/2008 8:55 4/22/2008 9:55 4/22/2008 9:55 1 4/22/2008 9:25 4/22/2008 9:55 4/22/2008 10:25 2 4/22/2008 10:25 4/22/2008 10:25 4/22/2008 10:25 3 4/22/2008 10:25 4/22/2008 11:10 4/22/2008 11:25 4 4/22/2008 11:25 4/22/2008 11:25 4/22/2008 11:25 6 4/22/2008 12:10 3 4/22/2008 12:25 4 4/22/2008 13:10 4/22/2008 13:10 4/22/2008 13:10 3 4/22/2008 13:10 4/22/2008 13:10 4/22/2008 13:10 4 4/22/2008 13:10 4/22/2008 13:10 4/22/2008 13:10 5 4/22/2008 13:10 4/22/2008 13:10 4/22/2008 13:10 6 4/22/2008 13:10 4/22/2008 13:10 4/22/2008 13:10 </td <td>ment Type: Min(ppm) arm Levels: 100 Date Time Min(ppm) Alarm Avg(ppm) Alarm Avg(ppm) 4/22/2008 6:55 0 2 Alarm Avg(ppm) 4/22/2008 7:10 1 4/22/2008 7:25 0 0 4/22/2008 7:25 0 0 4/22/2008 7:25 0 0 4/22/2008 8:25 0 0 4/22/2008 8:25 0 0 4/22/2008 8:55 0 0 4/22/2008 9:25 0 0 4/22/2008 9:25 0 0 4/22/2008 10:25 0 0 4/22/2008 10:25 0</td> <td>Interformer Min(ppm) Avg(ppm) arm Levels: 50 50 Date Time Min(ppm) Alarm Avg(ppm) Alarm 4/22/2008 6:55 0 0 14 4/22/2008 7:10 1.4 0.1 5 4/22/2008 7:40 0.1 5 4/22/2008 7:40 0.1 5 4/22/2008 7:40 0.1 5 4/22/2008 8:40 0.1 7 4/22/2008 8:40 0.1 7 4/22/2008 8:40 0.1 6 4/22/2008 8:55 0.1 7 4/22/2008 8:55 0.1 0 4/22/2008 9:55 0 2 4/22/2008 9:55 0 3 4/22/2008 10:5 0 4 4/22/2008 10:5 0 5 4/22/2008 10:5 0 4 4/22/2008 <t< td=""><td>Type: Min(ppm) Avg(ppm) arm Levels: 100 100 Time Min(ppm) Alarm Avg(ppm) 4/22/2008 6:55 0 0 2 4/22/2008 7:10 1.4 3.2 3 4/22/2008 7:40 0.1 0.1 4 4/22/2008 7:55 0 0 0 3 4/22/2008 7:40 0.1 0.1 0.3 4 4/22/2008 7:55 0 0 0 3 4/22/2008 8:10 0.1 0.3 0 0 3 4/22/2008 8:55 0 0 0 0 4 4/22/2008 9:55 0 0 0 0 4 4/22/2008 9:40 0 0 0 0 0 4 4/22/2008 9:45 0</td></t<></td>	ment Type: Min(ppm) arm Levels: 100 Date Time Min(ppm) Alarm Avg(ppm) Alarm Avg(ppm) 4/22/2008 6:55 0 2 Alarm Avg(ppm) 4/22/2008 7:10 1 4/22/2008 7:25 0 0 4/22/2008 7:25 0 0 4/22/2008 7:25 0 0 4/22/2008 8:25 0 0 4/22/2008 8:25 0 0 4/22/2008 8:55 0 0 4/22/2008 9:25 0 0 4/22/2008 9:25 0 0 4/22/2008 10:25 0 0 4/22/2008 10:25 0	Interformer Min(ppm) Avg(ppm) arm Levels: 50 50 Date Time Min(ppm) Alarm Avg(ppm) Alarm 4/22/2008 6:55 0 0 14 4/22/2008 7:10 1.4 0.1 5 4/22/2008 7:40 0.1 5 4/22/2008 7:40 0.1 5 4/22/2008 7:40 0.1 5 4/22/2008 8:40 0.1 7 4/22/2008 8:40 0.1 7 4/22/2008 8:40 0.1 6 4/22/2008 8:55 0.1 7 4/22/2008 8:55 0.1 0 4/22/2008 9:55 0 2 4/22/2008 9:55 0 3 4/22/2008 10:5 0 4 4/22/2008 10:5 0 5 4/22/2008 10:5 0 4 4/22/2008 <t< td=""><td>Type: Min(ppm) Avg(ppm) arm Levels: 100 100 Time Min(ppm) Alarm Avg(ppm) 4/22/2008 6:55 0 0 2 4/22/2008 7:10 1.4 3.2 3 4/22/2008 7:40 0.1 0.1 4 4/22/2008 7:55 0 0 0 3 4/22/2008 7:40 0.1 0.1 0.3 4 4/22/2008 7:55 0 0 0 3 4/22/2008 8:10 0.1 0.3 0 0 3 4/22/2008 8:55 0 0 0 0 4 4/22/2008 9:55 0 0 0 0 4 4/22/2008 9:40 0 0 0 0 0 4 4/22/2008 9:45 0</td></t<>	Type: Min(ppm) Avg(ppm) arm Levels: 100 100 Time Min(ppm) Alarm Avg(ppm) 4/22/2008 6:55 0 0 2 4/22/2008 7:10 1.4 3.2 3 4/22/2008 7:40 0.1 0.1 4 4/22/2008 7:55 0 0 0 3 4/22/2008 7:40 0.1 0.1 0.3 4 4/22/2008 7:55 0 0 0 3 4/22/2008 8:10 0.1 0.3 0 0 3 4/22/2008 8:55 0 0 0 0 4 4/22/2008 9:55 0 0 0 0 4 4/22/2008 9:40 0 0 0 0 0 4 4/22/2008 9:45 0

Instrument: MiniRAE 2000 (PGM7600) User ID: 00000001 Site ID: 00000213 Data Points: 38 Gas Name: Isobutylene Last Calibration Time: 07/06/2007 12:10 Serial Number: 013341

Measurement Type: High Alarm Levels: Low Alarm Levels:					Min(ppm) 100 50		======================================		Max(ppm) 100 50	
===== Line#	Date		====== Time	Min	===== (ppm)	Alarm	Avg(ppm)	Alarm	====== Max(ppm)	Alarm
	====== 1	4/28/2008	===== 7:25		=====		 0		======== 0	
	2	4/28/2008	7:40				0		0	
	3	4/28/2008	7:55				0		0	
	4	4/28/2008	8:10				0		0	
	5	4/28/2008	8:25				0		0	
	6	4/28/2008	8:40				0		0	
	7	4/28/2008	8:55				0.1		0.2	
	8	4/28/2008	9:10				0		0	
	9	4/28/2008	9:25				1.1		1.5	
1	0	4/28/2008	9:40				0		0	
1	1	4/28/2008	9:55				2.2		3.5	
1	2	4/28/2008	10:10				1.4		1.8	
1	3	4/28/2008	10:25				0		0	
1	4	4/28/2008	10:40				0.5		1.1	
1	5	4/28/2008	10:55				1.5		1.9	
1	6	4/28/2008	11:10				0		0	
1	7	4/28/2008	11:25				1.6		2.2	
1	8	4/28/2008	11:40				0		0	
1	9	4/28/2008	11:55				1.2		1.3	
2	0	4/28/2008	12:10				0		0	
2	1	4/28/2008	12:25				0		0	
2	2	4/28/2008	12:40				1.9		2.3	
2	3	4/28/2008	12:55				0		0	
2	4	4/28/2008	13:10				0		0	
2	5	4/28/2008	13:25				2.1		3.3	
2	6	4/28/2008	13:40				0		0	
2	7	4/28/2008	13:55				0		0	
2	8	4/28/2008	14:10				0		0	
2	9	4/28/2008	14:25				0		0	
3	0	4/28/2008	14:40				0		0	
3	1	4/28/2008	14:55				0		0.3	
3	2	4/28/2008	15:10				0		0	
3	3	4/28/2008	15:25				0		0	
3	4	4/28/2008	15:40				0		0	
3	5	4/28/2008	15:55				0		0	
3	6	4/28/2008	16:10				1.1		1.5	
3	1	4/28/2008	16:25				0		0	
3	8	4/28/2008	16:40				0		0	

Instrument: MiniRAE 2000 (PGM7600) User ID: 00000001 Site ID: 00000215 Data Points: 39 Gas Name: Isobutylene Last Calibration Time: 07/06/2007 12:10 Serial Number: 013341

Measu High A Low Al	Measurement Type: High Alarm Levels: Low Alarm Levels:				Min(ppm) 100 50		Avg(ppm) 100 50		Max(ppm) 100 50	
===== Line#	Date		======================================	Min(ppm)	Alarm	Avg(ppm)	Alarm	======= Max(ppm)	Alarm	
=====	======== 1	===== 9/2008	======================================			 0	========	 0		
	2 4/29	9/2008	6:46			0		0		
:	3 4/29	9/2008	7:01			0		0		
	4 4/29	9/2008	7:16			1.2		0		
:	5 4/29	9/2008	7:31			0		0		
	6 4/29	9/2008	7:46			1.2		0		
	7 4/29	9/2008	8:01			0		0		
	8 4/29	9/2008	8:16			0		0		
1	9 4/29	9/2008	8:31			0.3		0		
1	0 4/29	9/2008	8:46			0		0		
1	1 4/29	9/2008	9:01			0.5		0		
1	2 4/29	9/2008	9:16			0		0		
1	3 4/29	9/2008	9:31			0.8		0		
1	4 4/29	9/2008	9:46			0		0		
1	5 4/29	9/2008	10:01			0.4		0.5		
1	6 4/29	9/2008	10:16			0.4		0.5		
1	7 4/29	9/2008	10:31			0.4		0.5		
1	8 4/29	9/2008	10:46			0		0		
1	9 4/29	9/2008	11:01			0		0		
2	0 4/29	9/2008	11:16			0		0		
2	1 4/29	9/2008	11:31			1.1		1.4		
2	2 4/29	9/2008	11:46			0		0		
2	3 4/29	9/2008	12:01			0		0		
2	4 4/29	9/2008	12:16			1.3		2.1		
2	5 4/29	9/2008	12:31			0		0		
2	6 4/29	9/2008	12:46			0		0		
2	7 4/29	9/2008	13:01			0		0		
2	8 4/29	9/2008	13:16			0		0		
2	9 4/29	9/2008	13:31			0		0		
3	0 4/29	9/2008	13:46			0		0		
3	1 4/29	9/2008	14:01			0		0		
3	2 4/29	9/2008	14:16			0		0		
3	3 4/29	9/2008	14:31			0		0		
3	4 4/29	9/2008	14:46			0		0		
3	5 4/29	9/2008	15:01			0		0.2		
3	6 4/29	9/2008	15:16			0		0.2		
3	7 4/29	9/2008	15:31			0		0.2		
3	8 4/29	9/2008	15:46			0		0		
3	9 4/29	9/2008	16:01			0		0		

Instrument: MiniRAE 2000 (PGM7600) User ID: 00000001 Site ID: 00000216 Data Points: 38 Gas Name: Isobutylene Last Calibration Time: 07/06/2007 12:10

Serial Number: 013341

High Ala Low Ala	Measurement Type: High Alarm Levels: Low Alarm Levels:			 Min(ppm 10 5) 0 0	Avg(ppm) 100 50		Max(ppm) 100 50	
====== Line#	Date	Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm	
======	4/30/20	======================================			 0		 0		
2	2 4/30/20	08 7:17			0		0		
3	3 4/30/20	08 7:32			0		0		
Z	4/30/20	08 7:47			0		0		
5	5 4/30/20	08 8:02			0		0		
6	6 4/30/20	08 8:17			0		0		
7	4/30/20	08 8:32			0		0		
8	3 4/30/20	08 8:47			0		0		
ę	9 4/30/20	08 9:02			0		0		
10) 4/30/20	08 9:17			0		0		
11	4/30/20	08 9:32			0		0		
12	2 4/30/20	08 9:47			0		0		
13	3 4/30/20	08 10:02			0		0		
14	4/30/20	08 10:17			0		0		
15	5 4/30/20	08 10:32			0		0		
16	6 4/30/20	08 10:47			0		0		
17	4/30/20	08 11:02			0		0		
18	3 4/30/20	08 11:17			0		0		
19	9 4/30/20	08 11:32			0		0		
20) 4/30/20	08 11:47			0		0		
21	4/30/20	08 12:02			0		0		
22	2 4/30/20	08 12:17			0		0		
23	3 4/30/20	08 12:32			0		0		
24	4/30/20	08 12:47			0		0		
25	5 4/30/20	08 13:02			0		0		
26	6 4/30/20	08 13:17			0		0		
27	4/30/20	08 13:32			0		0		
28	3 4/30/20	08 13:47			0		0		
29	9 4/30/20	08 14:02			0		0		
30) 4/30/20	08 14:17			0		0		
31	4/30/20	08 14:32			0		0		
32	2 4/30/20	08 14:47			0		0		
33	3 4/30/20	08 15:02			0		0		
34	4/30/20	08 15:17			0		0		
35	5 4/30/20	08 15:32			0		0		
36	6 4/30/20	08 15:47			0		0		
37	4/30/20	08 16:02			0		0		
38	3 4/30/20	08 16:17			0		0		

Instrument: MiniRAE 2000 (PGM7600) User ID: 00000001 Site ID: 00000217 Data Points: 28 Gas Name: Isobutylene Last Calibration Time: 07/06/2007 12:10

Serial Number: 013341

Measurement Type: High Alarm Levels: Low Alarm Levels:					Min(ppm) 100 50))	Avg(ppm) 100 50		Max(ppm) 100 50
===== Line#	Date		Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
 1	 5/1	 1/2008	7:10			0		0	
2	2 5/1	1/2008	7:25			0		0	
3	3 5/1	1/2008	7:40			0		0	
4	5/1	1/2008	7:55			0		0	
5	5 5/1	1/2008	8:10			0		0	
6	5 5/1	1/2008	8:25			0		0	
7	7 5/1	1/2008	8:40			0		0	
8	3 5/1	1/2008	8:55			0		0	
g	9 5/1	1/2008	9:10			0		0	
10) 5/1	1/2008	9:25			0		0.1	
11	5/1	1/2008	9:40			0		0.2	
12	2 5/1	1/2008	9:55			0		0.2	
13	3 5/1	1/2008	10:10			0		0	
14	5/1	1/2008	10:25			0		0	
15	5 5/1	1/2008	10:40			0		0	
16	5 5/1	1/2008	10:55			0		0	
17	7 5/1	1/2008	11:10			0		0.1	
18	3 5/1	1/2008	11:25			0		0	
19	9 5/1	1/2008	11:40			0		0	
20) 5/1	1/2008	11:55			0		0	
21	5/1	1/2008	12:10			0		0	
22	2 5/1	1/2008	12:25			0		0	
23	8 5/1	1/2008	12:40			0		0	
24	5/1	1/2008	12:55			0		0	
25	5 5/1	1/2008	13:10			0		0	
26	5 5/1	1/2008	13:25			0		0	
27	7 5/1	1/2008	13:40			0		0	
28	3 5/1	1/2008	13:55			0		0	

Instrument: MiniRAE 2000 (PGM7600) User ID: 00000001 Site ID: 00000218 Data Points: 31 Gas Name: Isobutylene Last Calibration Time: 07/06/2007 12:10 Serial Number: 013341

Measurement Type: High Alarm Levels: Low Alarm Levels:				Min(ppm) 100 50		Avg(ppm) 100 50		Max(ppm) 100 50
===== Line#	Date	Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
===== 1	======================================	======================================			======== 0		======== 0	
2	2 5/2/20	08 7:27			0		0	
3	3 5/2/20	08 7:42			0		0	
2	5/2/20	08 7:57			0		0	
5	5 5/2/20	08 8:12			0		0	
6	5 5/2/20	08 8:27			0		0	
7	5/2/20	08 8:42			0		0	
8	3 5/2/20	08 8:57			0		0	
ç	5/2/20	08 9:12			0		0	
10) 5/2/20	08 9:27			0		0	
11	5/2/20	08 9:42			0		0	
12	2 5/2/20	08 9:57			0		0	
13	3 5/2/20	08 10:12			0		0.2	
14	5/2/20	08 10:27			0		0.2	
15	5 5/2/20	08 10:42			0		0	
16	5 5/2/20	08 10:57			0		0	
17	7 5/2/20	08 11:12			1.2		1.4	
18	3 5/2/20	08 11:27			0		0	
19	5/2/20	08 11:42			0		0	
20) 5/2/20	08 11:57			0		0	
21	5/2/20	08 12:12			0		1.2	
22	2 5/2/20	08 12:27			0		0	
23	3 5/2/20	08 12:42			0		0	
24	5/2/20	08 12:57			0		0	
25	5 5/2/20	08 13:12			0		0	
26	5 5/2/20	08 13:27			0		0	
27	5/2/20	08 13:42			0		0	
28	3 5/2/20	08 13:57			0		0	
29) 5/2/20	08 14:12			0		0	
30) 5/2/20	08 14:27			0		0	
31	5/2/20	08 14:42			0		0	

Instrument: AreaRE	A Serial Number: 1	25800
Data Points: 34	Gas Name: Isobutylene	Sample Period: 900 sec
Last Calibration Tim	ne: 10/03/2007	

Measurement Type: High Alarm Levels: Low Alarm Levels:			Min(ppm) 100 50	======================================	g(ppm) Max(ppm) 100 100 50 50	
Line#	Date	Time	Min(ppm) Alarm	Avg(ppm) Alarm	Max(ppm) Alarm	
========	1	4/7/2008 6:59		0	0	
	2	4/7/2008 7:14		0	0	
	3	4/7/2008 7:29		0	0	
	4	4/7/2008 7:44		0	0	
	5	4/7/2008 7:59		0	0	
	6	4/7/2008 8:14		0	0	
	7	4/7/2008 8:29		0	0	
	8	4/7/2008 8:44		0	0	
	9	4/7/2008 8:59		0	0	
	10	4/7/2008 9:14		0	0	
	11	4/7/2008 9:29		0	0	
	12	4/7/2008 9:44		0	0	
	13	4/7/2008 9:59		0	0	
	14	4/7/2008 10:14		0	0	
	15	4/7/2008 10:29		0	0	
	16	4/7/2008 10:44		0	0	
	17	4/7/2008 10:59		0	0	
	18	4/7/2008 11:14		0	0	
	19	4/7/2008 11:29		0	0	
	20	4/7/2008 11:44		0	0	
	21	4/7/2008 11:59		0	0	
	22	4/7/2008 12:14		0	0	
	23	4/7/2008 12:29		0	0	
	24	4/7/2008 12:44		0	0.1	
	25	4/7/2008 12:59		0	0	
	26	4/7/2008 13:14		0	0	
	27	4/7/2008 13:29		0	0	
	28	4/7/2008 13:44		0	0	
	29	4/7/2008 13:59		0	0	
	30	4/7/2008 14:14		0	0	
	31	4/7/2008 14:29		0	0	
	32	4/7/2008 14:44		0	0	
	33	4/7/2008 14:59		0	0	
	34	4/7/2008 15:14		0	0	

Instrument: AreaRE	A Serial Number: 12	5800
Data Points: 36	Gas Name: Isobutylene	Sample Period: 900 sec
Last Calibration Tim	e: 10/03/2007	

Measurement Type: High Alarm Levels: Low Alarm Levels:				Min(ppm) Avg(ppn 100 1(50 4		Avg(ppm) 100 50	n) Max(ppm) 00 100 50 50	
Line#	Date	Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
=======	 1	4/8/2008 6:40		========	0		0	=========
	2	4/8/2008 6:55			0		0	
	3	4/8/2008 7:10			0		0	
	4	4/8/2008 7:25			0		0	
	5	4/8/2008 7:40			0		0	
	6	4/8/2008 7:55			0		0	
	7	4/8/2008 8:10			0		0	
	8	4/8/2008 8:25			0		0	
	9	4/8/2008 8:40			0		0	
	10	4/8/2008 8:55			0		0.2	
	11	4/8/2008 9:10			0		0	
	12	4/8/2008 9:25			0		0	
	13	4/8/2008 9:40			0		0	
	14	4/8/2008 9:55			0		0	
	15	4/8/2008 10:10			0		0	
	16	4/8/2008 10:25			0		0	
	17	4/8/2008 10:40			0		0	
	18	4/8/2008 10:55			0		0	
	19	4/8/2008 11:10			0		0	
	20	4/8/2008 11:25			0		0	
	21	4/8/2008 11:40			0		0	
	22	4/8/2008 11:55			0		0	
	23	4/8/2008 12:10			0		0.1	
	24	4/8/2008 12:25			0		0.1	
	25	4/8/2008 12:40			0		0	
	26	4/8/2008 12:55			0		0	
	27	4/8/2008 13:10			0		0	
	28	4/8/2008 13:25			0		0	
	29	4/8/2008 13:40			0		0	
	30	4/8/2008 13:55			0		0	
	31	4/8/2008 14:10			0		0	
	32	4/8/2008 14:25			0		0	
	33	4/8/2008 14:40			0		0	
	34	4/8/2008 14:55			0		0	
	35	4/8/2008 15:10			0		0	
	36	4/8/2008 15:25			0		0	

Last Calibration Time: 10/03/2007									
Measure High Ala Low Ala	Measurement Type: High Alarm Levels: Low Alarm Levels:			Min(ppm) 100 50		Avg(ppm) 100 50		Max(ppm) 100 50	
Line#	Date	Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm	
======	======== 1	 4/9/2008 7:00		========		======	 0	========	
	2	4/9/2008 7:15			0		0		
	3	4/9/2008 7:30			0		0		
	4	4/9/2008 7:45			0		0		
	5	4/9/2008 8:00			0		0		
	6	4/9/2008 8:15			0		0		
	7	4/9/2008 8:30			0		0.2		
	8	4/9/2008 8:45			0		0		
	9	4/9/2008 9:00			0		0		
	10	4/9/2008 9:15			0		0		
	11	4/9/2008 9:30			0		0		
	12	4/9/2008 9:45			0		0		
	13	4/9/2008 10:00			0		0		
	14	4/9/2008 10:15			0		0		
	15	4/9/2008 10:30			0		0		
	16	4/9/2008 10:45			0		0		
	17	4/9/2008 11:00			0		0		
	18	4/9/2008 11:15			0		0		
	19	4/9/2008 11:30			0		0		
	20	4/9/2008 11:45			0		0		
	21	4/9/2008 12:00			0		0		
	22	4/9/2008 12:15			0		0		
	23	4/9/2008 12:30			0		0		
	24	4/9/2008 12:45			0		0		
	25	4/9/2008 13:00			0		0		
	26	4/9/2008 13:15			0		0		
	27	4/9/2008 13:30			0		0		
	28	4/9/2008 13:45			0		0		

Instrument: AreaREASerial Number: 125800Data Points: 28Gas Name: IsobutyleneSample Period: 900 secLast Calibration Time: 10/03/2007

Instrument: AreaRE	A Serial Number: 1258	300
Data Points: 37	Gas Name: Isobutylene	Sample Period: 900 sec
Last Calibration Tim	ne: 10/03/2007	

High Al Low Ala	Measurement Type: High Alarm Levels: Low Alarm Levels:			 Min(ppm) 100 50		Avg(ppm) 100 50		Max(ppm) 100 50	
====== Line#	Date	Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm	
	======================================	4/10/2008 6:45	=================	========	======= 0		 0	=========	
	2	4/10/2008 7:00			0		0		
	3	4/10/2008 7:15			0		0		
	4	4/10/2008 7:30			0		0		
	5	4/10/2008 7:45			0		0		
	6	4/10/2008 8:00			0		0		
	7	4/10/2008 8:15			0		0		
	8	4/10/2008 8:30			0		0		
	9	4/10/2008 8:45			0		0		
	10	4/10/2008 9:00			0		0		
	11	4/10/2008 9:15			0		0		
	12	4/10/2008 9:30			0		0		
	13	4/10/2008 9:45			0		0		
	14	4/10/2008 10:00			0		0		
	15	4/10/2008 10:15			0		0		
	16	4/10/2008 10:30			0		0		
	17	4/10/2008 10:45			0		0		
	18	4/10/2008 11:00			0		0		
	19	4/10/2008 11:15			0		0		
	20	4/10/2008 11:30			0		0		
	21	4/10/2008 11:45			0		0		
	22	4/10/2008 12:00			0		0		
	23	4/10/2008 12:15			0		0		
	24	4/10/2008 12:30			0		0		
	25	4/10/2008 12:45			0		0		
	26	4/10/2008 13:00			0		0		
	27	4/10/2008 13:15			0		0		
	28	4/10/2008 13:30			0		0		
	29	4/10/2008 13:45			0		0		
	30	4/10/2008 14:00			0		0		
	31	4/10/2008 14:15			0		0		
	32	4/10/2008 14:30			0		0		
	33	4/10/2008 14:45			0		0		
	34	4/10/2008 15:00			0		0		
	35	4/10/2008 15:15			0		0		
	36	4/10/2008 15:30			0		0		
	37	4/10/2008 15:45			0		0		

Instrument: AreaRE	A Serial Number: 1258	300
Data Points: 32	Gas Name: Isobutylene	Sample Period: 900 sec
Last Calibration Tim	e: 10/03/2007	

Measurement Type: High Alarm Levels: Low Alarm Levels:				======= Min(ppm) 100 50	======	Avg(ppm) 100 50	=======	Max(ppm) 100 50
====== Line#	Date	Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
======	======== 1	 4/11/2008 6:51		========	 0	=======	0	
	2	4/11/2008 7:06			0		0	
	3	4/11/2008 7:21			0		0	
	4	4/11/2008 7:36			0		0	
	5	4/11/2008 7:51			0		0	
	6	4/11/2008 8:06			0		0	
	7	4/11/2008 8:21			0		0	
	8	4/11/2008 8:36			0		0	
	9	4/11/2008 8:51			0		0	
	10	4/11/2008 9:06			0		0	
	11	4/11/2008 9:21			0		0	
	12	4/11/2008 9:36			0		0	
	13	4/11/2008 9:51			0		0	
	14	4/11/2008 10:06			0		0	
	15	4/11/2008 10:21			0		0	
	16	4/11/2008 10:36			0		0	
	17	4/11/2008 10:51			0		0	
	18	4/11/2008 11:06			0		0	
	19	4/11/2008 11:21			0		0	
	20	4/11/2008 11:36			0		0	
	21	4/11/2008 11:51			0		0	
	22	4/11/2008 12:06			0		0	
	23	4/11/2008 12:21			0		0	
	24	4/11/2008 12:36			0		0	
	25	4/11/2008 12:51			0		0	
	26	4/11/2008 13:06			0		0	
	27	4/11/2008 13:21			0		0	
	28	4/11/2008 13:36			0		0	
	29	4/11/2008 13:51			0		0	
	30	4/11/2008 14:06			0		0	
	31	4/11/2008 14:21			0		0	
	32	4/11/2008 14:36			0		0	

Instrument: AreaRE	A Serial Number: 1258	800
Data Points: 33	Gas Name: Isobutylene	Sample Period: 900 sec
Last Calibration Tim	e: 10/03/2007	

Measurem High Alarr Low Alarm	nent Type: n Levels: n Levels:			Min(ppm) 100 50	Avg(p	pm) 100 50	Max(ppm) 100 50
Line#	Date	Time	Min(ppm)	Alarm	Avg(ppm) Alarm	Max(ppm)	Alarm
	 1	 4/21/2008 7:13					
	2	4/21/2008 7:28			0.1	0.3	
	3	4/21/2008 7:43			0	0.3	
	4	4/21/2008 7:58			0	0.6	
	5	4/21/2008 8:13			0	0.3	
	6	4/21/2008 8:28			0.1	0.5	
	7	4/21/2008 8:43			0.1	0.5	
	8	4/21/2008 8:58			0.2	0.6	
	9	4/21/2008 9:13			0.1	0.6	
	10	4/21/2008 9:28			0.1	0.6	
	11	4/21/2008 9:43			0.1	0.5	
	12	4/21/2008 9:58			0.1	0.5	
	13	4/21/2008 10:13			0.1	0.5	
	14	4/21/2008 10:28			0.1	0.5	
	15	4/21/2008 10:43			0.1	0.4	
	16	4/21/2008 10:58			0	0	
	17	4/21/2008 11:13			0	0	
	18	4/21/2008 11:28			0	0.2	
	19	4/21/2008 11:43			0	0	
	20	4/21/2008 11:58			0	0.3	
	21	4/21/2008 12:13			0	0.3	
	22	4/21/2008 12:28			0	0.1	
	23	4/21/2008 12:43			0	0.2	
	24	4/21/2008 12:58			0	0.1	
	25	4/21/2008 13:13			0.1	0.5	
	26	4/21/2008 13:28			0.1	0.5	
	27	4/21/2008 13:43			0.1	0.5	
	28	4/21/2008 13:58			0	0	
	29	4/21/2008 14:13			0	0	
	30	4/21/2008 14:28			0	0.3	
	31	4/21/2008 14:43			0	0	
	32	4/21/2008 14:58			0	0	
	33	4/21/2008 15:13			0	0.2	

Instrument: MiniRAE 2000 (PGM7600) User ID: 00000001 Site ID: 00000086 Data Points: 33 Gas Name: Isobutylene Last Calibration Time: 08/09/2007 14:28

Serial Number: 012775

Measurement Type: High Alarm Levels: Low Alarm Levels:					Min(ppr 1	======================================	Avg(ppm) 100 50		Max(ppm) 100 50
===== Line#	Date	=======	Time	Min(ppn	n) Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
======	====== 1	======== 4/22/2008	======= 7:01				=========		==========
	2	4/22/2008	7.16			0		0	
	3	4/22/2008	7:31			0		0	
	4	4/22/2008	7:46			0		0	
	5	4/22/2008	8:01			0		0	
	6	4/22/2008	8:16			0		0	
	7	4/22/2008	8:31			0		0	
	8	4/22/2008	8:46			0		0	
	9	4/22/2008	9:01			0		0	
	10	4/22/2008	9:16			0		0	
	11	4/22/2008	9:31			0		0	
	12	4/22/2008	9:46			0		0	
	13	4/22/2008	10:01			0		0	
	14	4/22/2008	10:16			0		0	
	15	4/22/2008	10:31			0		0	
	16	4/22/2008	10:46			0		0	
	17	4/22/2008	11:01			0		0	
	18	4/22/2008	11:16			0		0	
	19	4/22/2008	11:31			0		0	
	20	4/22/2008	11:46			0		0	
	21	4/22/2008	12:01			0		0	
	22	4/22/2008	12:16			0		0	
	23	4/22/2008	12:31			0		0	
	24	4/22/2008	12:46			0		0	
	25	4/22/2008	13:01			0		0	
	26	4/22/2008	13:16			0		0	
	27	4/22/2008	13:31			0		0	
	28	4/22/2008	13:46			0		0	
	29	4/22/2008	14:01			0		0	
	30	4/22/2008	14:16			0		0	
	31	4/22/2008	14:31			0		0	
	32	4/22/2008	14:46			0		0	
	33	4/22/2008	15:01			0		0	

Instrument: MiniRAE 2000 (PGM7600) User ID: 00000001 Site ID: 00000087 Data Points: 34 Gas Name: Isobutylene Last Calibration Time: 08/09/2007 14:28

===== Measure High Ala Low Ala	ement Type: arm Levels: rm Levels:			======= Min(ppm) 100 50	========	Avg(ppm) 100 50		Max(ppm) 100 50
====== Line#	Date	Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	======== Max(ppm)	Alarm
=====	======================================	======================================		========	========= 0	=======	======== 0	=========
	2	4/28/2008 7:26			0		0	
	3	4/28/2008 7:41			0.1		0.2	
	4	4/28/2008 7:56			0		0	
	5	4/28/2008 8:11			0		0.2	
	6	4/28/2008 8:26			0		0.2	
	7	4/28/2008 8:41			0		0.2	
	8	4/28/2008 8:56			0		0	
	9	4/28/2008 9:11			1.1		1.5	
	10	4/28/2008 9:26			0		0	
	11	4/28/2008 9:41			0		0	
	12	4/28/2008 9:56			0		0	
	13	4/28/2008 10:11			0		0	
	14	4/28/2008 10:26			0		0	
	15	4/28/2008 10:41			0		0	
	16	4/28/2008 10:56			0		0	
	17	4/28/2008 11:11			0		0	
	18	4/28/2008 11:26			1.7		3.2	
	19	4/28/2008 11:41			0		0	
	20	4/28/2008 11:56			0		0	
	21	4/28/2008 12:11			0		0	
	22	4/28/2008 12:26			0		0	
	23	4/28/2008 12:41			0		0	
	24	4/28/2008 12:56			0		0	
	25	4/28/2008 13:11			0		0	
	26	4/28/2008 13:26			0		0	
	27	4/28/2008 13:41			0		0	
	28	4/28/2008 13:56			0		0	
	29	4/28/2008 14:11			0		0	
	30	4/28/2008 14:26			0		0	
	31	4/28/2008 14:41			0		0	
	32	4/28/2008 14:56			0		0	
	33	4/28/2008 15:11			0		0	
	34	4/28/2008 15:26			0		0	

Instrument: MiniRAE 2000 (PGM7600)User ID: 00000001Site ID: 00000088Data Points: 38Gas Name: IsobutyleneLast Calibration Time: 08/09/2007 14:28

Measurement Type: High Alarm Levels: Low Alarm Levels:			——————————————————————————————————————	Avg(ppm) 100 50		========) 0 0	Max(ppm) 100 50	
====== Line#	Date	Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
======	 1	======================================		========	======= 0		========= 0	==========
	2	4/29/2008 7:31			0		0	
	3	4/29/2008 7:46			0		0	
	4	4/29/2008 8:01			0		0	
	5	4/29/2008 8:16			0		0	
	6	4/29/2008 8:31			0		0	
	7	4/29/2008 8:46			0		0	
	8	4/29/2008 9:01			0		0	
	9	4/29/2008 9:16			0		0	
	10	4/29/2008 9:31			0		0	
	11	4/29/2008 9:46			0		0	
	12	4/29/2008 10:01			0		0	
	13	4/29/2008 10:16			0		0	
	14	4/29/2008 10:31			0		0	
	15	4/29/2008 10:46			0		0	
	16	4/29/2008 11:01			0		0	
	17	4/29/2008 11:16			0		0	
	18	4/29/2008 11:31			0		0	
	19	4/29/2008 11:46			0		0	
	20	4/29/2008 12:01			0		0	
	21	4/29/2008 12:16			0		0	
	22	4/29/2008 12:31			0		0	
	23	4/29/2008 12:46			0		0	
	24	4/29/2008 13:01			0		0	
	25	4/29/2008 13:16			0		0	
	26	4/29/2008 13:31			0		0	
	27	4/29/2008 13:46			0		0	
	28	4/29/2008 14:01			0		0	
	29	4/29/2008 14:16			0		0	
	30	4/29/2008 14:31			0		0	
	31	4/29/2008 14:46			0		0	
	32	4/29/2008 15:01			0		0	
	33	4/29/2008 15:16			0		0	
	34	4/29/2008 15:31			0		0	
	35	4/29/2008 15:46			0		0	
	36	4/29/2008 16:01			0		0	
	37	4/29/2008 16:16			0		0	
	38	4/29/2008 16:31			0		0	

Measurement Type: High Alarm Levels: Low Alarm Levels:				Min(ppm) 100 50		====== Avg(ppm) 10(5(-=========))	======== Max(ppm) 100 50
====== Line#	Date	Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
======	 1			=======	 0	=======	 0	=========
	2	4/30/2008 7:36			0		0	
	3	4/30/2008 7:51			0		0	
	4	4/30/2008 8:06			0.3		1.2	
	5	4/30/2008 8:21			0		0	
	6	4/30/2008 8:36			0		0	
	7	4/30/2008 8:51			0		0	
	8	4/30/2008 9:06			0		0	
	9	4/30/2008 9:21			0		0	
	10	4/30/2008 9:36			0		0	
	11	4/30/2008 9:51			0		0	
	12	4/30/2008 10:06			1.3		3.3	
	13	4/30/2008 10:21			0		0	
	14	4/30/2008 10:36			0		0	
	15	4/30/2008 10:51			0		0	
	16	4/30/2008 11:06			0		0	
	17	4/30/2008 11:21			0		0	
	18	4/30/2008 11:36			0		0	
	19	4/30/2008 11:51			2.2		3.2	
	20	4/30/2008 12:06			0		0	
	21	4/30/2008 12:21			0		0	
	22	4/30/2008 12:36			0		0	
	23	4/30/2008 12:51			0		0	
	24	4/30/2008 13:06			1.3		1.5	
	25	4/30/2008 13:21			0		0.2	
	26	4/30/2008 13:36			1.5		1.9	
	27	4/30/2008 13:51			0		0	
	28	4/30/2008 14:06			0		0	
	29	4/30/2008 14:21			0		0	
	30	4/30/2008 14:36			0		0	
	31	4/30/2008 14:51			0		0	
	32	4/30/2008 15:06			0		0	
	33	4/30/2008 15:21			0		0.2	
	34	4/30/2008 15:36			0		0.2	
	35	4/30/2008 15:51			0		0.1	
	36	4/30/2008 16:06			0		0.3	

Measurement Type: High Alarm Levels: Low Alarm Levels:			Min(ppm 10 5) 0 0	Avg(ppm) 100 50	 Max(ppm) 100 50
Line#	Date	Time	Min(ppm) Alarm	Avg(ppm)	Alarm Ma	======================================
======	======================================	======================================		 0		0
	2	5/1/2008 7:10		0		0
	3	5/1/2008 7:25		0		0
	4	5/1/2008 7:40		0		0
	5	5/1/2008 7:55		0		0
	6	5/1/2008 8:10		0		0
	7	5/1/2008 8:25		0		0
	8	5/1/2008 8:40		0		0
	9	5/1/2008 8:55		0		0
	10	5/1/2008 9:10		0		0
	11	5/1/2008 9:25		0		0
	12	5/1/2008 9:40		0		0
	13	5/1/2008 9:55		0		0
	14	5/1/2008 10:10		0		0
	15	5/1/2008 10:25		0		0
	16	5/1/2008 10:40		0		0
	17	5/1/2008 10:55		0		0
	18	5/1/2008 11:10		0		0
	19	5/1/2008 11:25		0		0
	20	5/1/2008 11:40		0		0
	21	5/1/2008 11:55		0		0
	22	5/1/2008 12:10		0		0
	23	5/1/2008 12:25		0		0
	24	5/1/2008 12:40		0		0
	25	5/1/2008 12:55		0		0
	26	5/1/2008 13:10		0		0
	27	5/1/2008 13:25		0		0
	28	5/1/2008 13:40		0		0
	29	5/1/2008 13:55		0		0
	30	5/1/2008 14:10		0		0
	31	5/1/2008 14:25		0		0
	32	5/1/2008 14:40		0		0
	33	5/1/2008 14:55		0		0

Instrument: MiniRAE 2000 (PGM7600)User ID: 00000001Site ID: 00000091Data Points:35Gas Name: IsobutyleneLast Calibration Time: 08/09/2007 14:28

Measurement Type: High Alarm Levels: Low Alarm Levels:			Min(ppm) 100 50		Avg(ppm) 100 50		
====== Line#	Date	Time	======================================	Alarm	Avg(ppm) A	larm Max(ppm) Alarm
======	======================================	======================================		=======	 0		0
	2	5/2/2008 7:17			0		0
	3	5/2/2008 7:32			0		0
	4	5/2/2008 7:47			0		0
	5	5/2/2008 8:02			0		0
	6	5/2/2008 8:17			0		0
	7	5/2/2008 8:32			0		0
	8	5/2/2008 8:47			0		0
	9	5/2/2008 9:02			0		0
	10	5/2/2008 9:17			0		0
	11	5/2/2008 9:32			0		0
	12	5/2/2008 9:47			0		0
	13	5/2/2008 10:02			0	0	.2
	14	5/2/2008 10:17			0		0
	15	5/2/2008 10:32			0		0
	16	5/2/2008 10:47			0		0
	17	5/2/2008 11:02			0		0
	18	5/2/2008 11:17			0		0
	19	5/2/2008 11:32			0		0
	20	5/2/2008 11:47			0		0
	21	5/2/2008 12:02			0		0
	22	5/2/2008 12:17			0	0	.1
	23	5/2/2008 12:32			0	0	.2
	24	5/2/2008 12:47			0	0	.1
	25	5/2/2008 13:02			0		0
	26	5/2/2008 13:17			0		0
	27	5/2/2008 13:32			0		0
	28	5/2/2008 13:47			0		0
	29	5/2/2008 14:02			0		0
	30	5/2/2008 14:17			0		0
	31	5/2/2008 14:32			0		0
	32	5/2/2008 14:47			0		0
	33	5/2/2008 15:02			0		0
	34	5/2/2008 15:17			0		0
	35	5/2/2008 15:32			0		0