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Remedial Investigation / Feasibility Study

Former Majestic Garment Cleaners

740 Pine Street

Brooklyn, New York

Site # 2-24-035

Work Assignment # D-004439-22

May 2014

ARCADIS

I, Daniel J. Loewenstein, certify that I am currently a NYS registered professional engineer and that this Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER approved work plan and any DER approved modifications.

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Remedial Investigation / Feasibility Study

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Site # 2-24-035

Work Assignment # D-004439-22

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Malcolm Pirnie, Inc. was acquired by ARCADIS in July 2009.

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1. Introduction

The New York State Department of Environmental Conservation (NYSDEC) tasked Malcolm Pirnie, Inc. (Malcolm Pirnie) to perform an Remedial Investigation/Feasibility Study (RI/FS) at the former Majestic Garment Cleaners Site (#2-24-035), in Brooklyn, Kings County, New York (Figure 1). The RI/FS was conducted under the NYSDEC State Superfund Standby Contract No. D004439-22. The objective of the RI/FS was to evaluate the nature and extent of contaminants of concern and to assess potential remedial alternatives.

1.1 Background and Site History

The former Majestic Garment Cleaners site is located at 740 Pine Street at the intersection with Loring Avenue, Brooklyn, New York (Figure 2). The parcel is approximately 24,000 square feet and formerly operated as an industrial laundry and dry cleaning facility. The site formerly contained a large one-story brick building constructed in 1926 with a smaller attached one-story cinder block building on its north side built at a later date. The facility operated from 1926 through 2004. The site buildings were demolished in approximately 2007. Significant demolition debris remains on the site. Three underground storage tanks (USTs) were reportedly present and abandoned in-place within the footprint of the former masonry block building addition and potentially in the rear portion of the main building near the former loading dock (Anson, 2004). Additionally, it was reported that a UST under the south side of the former building may have contained tetrachloroethene (PCE) (Anson, 2004). The exact locations of these reported USTs are not known.

A Phase I Environmental Site Assessment (ESA) was conducted at the site in February 1998 by Middleton, Kontoska, Associates, Ltd. (MKA), followed by a focused sub-surface site investigation in May 1998 by ATC Associates, Inc. (ATC) which identified petroleum and chlorinated volatile organic compounds (VOCs) in both soil and groundwater. Petroleum-saturated soil was present in one boring in the area of the three USTs. Additional investigation activities were conducted by URS Corporation Group Consultants (URS) on behalf of the NYSDEC in late 2001which identified several locations with VOC and semi-volatile organic compound (SVOC) groundwater concentrations greater than the corresponding NYSDEC Class GA Standards. In particular, the groundwater sample from piezometer PZ-1 contained PCE at a concentration of 11,000 micrograms per liter (µg/L), as shown on Figure 3 which summarizes previous groundwater VOC data for the site. Figure 4 summarizes previous soil VOC data for the site.

2. Site Investigation

The scope of work for the site investigation was designed to further characterize the magnitude and extent of contaminants associated with the former laundry and dry cleaning operations (i.e., chlorinated and petroleum-based VOCs and SVOCs), the potential for off-site migration of contaminants, and the potential for vapor intrusion.

The base scope of work included direct-push soil borings, soil and discrete groundwater sampling, installation of additional soil vapor points, and sampling of existing piezometers and soil vapor points. Based on site conditions and preliminary groundwater sampling, the following changes/additions to the scope of work were made:

1. One on-site piezometer was installed to replace the destroyed/missing PZ-4;

2. Three on-site and nine off-site piezometers were installed to evaluate groundwater flow conditions and the potential for down-gradient contaminant migration;

3. Seven off-site soil vapor monitoring points were installed to evaluate the potential for vapor intrusion; and

4. An on-site air sparge/soil vapor extraction (AS/SVE) pilot test was conducted to evaluate its potential use for source reduction and mitigation of off-site vapor migration.

These changes were approved by the NYSDEC.

An analytical laboratory approved by the New York State Department of Health (NYSDOH) under the Environmental Laboratory Approval Program (ELAP), and certified to perform NYSDEC Analytical Services Protocol (ASP) analyzed all samples collected during the investigation. Analytical results were reported in ASP Category B data packages. A Data Usability Summary Report (DUSR) was prepared upon the receipt of all analytical data to ensure that the quality of the data was sufficient to evaluate remedial alternatives. Sample collection, handling activities, and QA/QC sampling will be conducted in accordance with Malcolm Pirnie's Generic Quality Assurance Project Plan (QAPP), which has previously been submitted to the NYSDEC for work conducted under the NYSDEC State Superfund Standby Contract No. D004439.

2.1 Subsurface Sampling

Subsurface soil samples were collected from 10 locations across the site, as shown on Figure 5, to assess areas of concern and the likely migration route of potential subsurface contaminants. Normal utility clearance activities, consisting of reviewing available site drawings and contacting Dig Safely New York, were conducted prior to beginning the subsurface investigation.

2.1.1 Soil Borings

Soil borings were drilled using direct-push drilling methods. Soil samples were collected continuously from the ground surface to the final depth of each boring using a macro-core sampler. Upon retrieval, each macro-core was opened and the soil was screened using a photoionization detector (PID), visually inspected for indications of contamination (e.g., staining and/or sheens) and buried debris, and classified by the on-site field geologist. The final depth of each boring was dependent on site-specific conditions. Soil boring logs are presented in Appendix A.

2.1.2 Soil Sample Collection

Ten borings, as shown on Figure 5, were drilled to evaluate the areas of concern on the site. The borings were advanced to the water table. Up to two soil samples from each boring were collected from the unsaturated interval containing the highest PID measurement and/or the greatest evidence of contamination (e.g., staining, sheens, and/or odor). If no contamination was evident, only the depth interval immediately above the water table was collected for laboratory analysis. Soil samples were analyzed for Target Compound List (TCL) VOCs by USEPA Method 8260B and TCL SVOCs by USEPA Method 8270C.

2.1.3 Discrete Groundwater Sample Collection

Groundwater was sampled using direct-push methods at each soil boring location, as shown on Figure 5. At each boring location, a retractable-screen groundwater sampling device capable of collecting depth-discrete groundwater samples was used. Groundwater samples were collected at two depths per boring to correspond to the depth of the water table, at approximately 13 feet below ground surface (bgs), and approximately 25 feet bgs. Groundwater samples were analyzed for TCL VOCs by USEPA Method 8260B and TCL SVOCs by USEPA Method 8270C.

2.2 Soil Vapor Sampling

Soil vapor and ambient outdoor air samples were collected concurrently in accordance with NYSDEC and NYSDOH guidelines to evaluate the potential for soil vapor intrusion of VOCs. All soil vapor samples were collected using 6-liter summa canisters equipped with pre-calibrated one-hour flow controllers. The ambient air sample was collected using a 6-liter summa canisters equipped with a pre-calibrated eight-hour flow controller. Samples from each monitoring point were sent to a NYSDOH ELAP and NYSDEC ASP-certified analytical laboratory under chain-of-custody procedures for analysis of VOCs by USEPA Method TO-15. The air sampling locations are shown on Figure 5.

2.2.1 Soil Vapor Point Samples

Eleven soil vapor points were previously installed at the site, however, some of these points are either no longer accessible or have been destroyed. Seven new soil vapor points were installed at locations shown in Figure 5 based on consultation with the NYSDEC. The distribution of the soil vapor monitoring locations focused on the location of the former USTs, known groundwater contamination, and potential adjacent receptors. The depth of each soil vapor point, five feet bgs, was based on observed conditions including subsurface geology and depth to groundwater.

The canisters were batch certified clean (in accordance with EPA Method TO-15) and under a vacuum pressure of no more than -25 inches of mercury (in Hg). Flow controllers were set for a one-hour collection period. Upon completion of sampling, each canister was checked for final vacuum pressure and shipped to the laboratory for analysis of VOCs using USEPA Method TO-15. Soil vapor sample results were reported with full data deliverables.

2.2.2 Tracer Gas Testing

A tracer gas test was performed in accordance with NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH, 2006) to confirm that the soil vapor probes were constructed in a manner that minimize the entrainment of ambient air into the soil vapor samples. Helium was used as the tracer gas since it is non-toxic, non-reactive, and provides a sensitive response that can be monitored using a portable helium detector. Tracer gas testing was performed at the off-site soil vapor sampling locations within the sidewalk/right-of-way. Tracer gas testing of on-site soil vapor points was not performed due to heavy rain which delayed installation of the flush-mount protective covers and precluded adequate testing. A small plastic container was placed over the

sampling point, filled with helium, and measured using a helium detector to ensure 100 percent concentration of helium in the enclosure. A syringe was used to purge the sampling tube into a Tedlar® bag which was tested using the helium detector. If high concentrations (greater than 10 percent) of tracer gas are observed in the Tedlar® bag, the probe seal was enhanced to reduce the infiltration of air. Once the probe seal's integrity was confirmed, the 6-liter sampling canister with a vacuum gauge and flow controller was connected to the sample tubing and the point sampled.

2.2.3 Ambient Air Sampling

One ambient air sample was collected at the site, to both evaluate the potential on-site exposures resulting from VOCs in soil and groundwater in the vicinity of the site, and to establish background values for local ambient air quality. Sample collection was performed concurrently with the collection of soil vapor samples.

2.3 Groundwater Sampling

2.3.1 Piezometer Installation

As shown on Figure 5, four off-site and three on-site two-inch diameter PVC piezometers were installed using a direct-push rig equipped with 3.25-inch steel drive casing. Five off-site and one on-site two-inch diameter PVC piezometers were installed using a drill rig equipped with 4.25-inch hollow stem augers. Each piezometer was constructed of two-inch inner diameter I.D. PVC riser and 10 feet of 0.01-inch slot PVC well screen. Piezometers were installed to approximate depths of 25 and 50 feet bgs to monitor shallow and deep flow zones. A clean, appropriately sized, filter pack was installed around the screened interval. The remainder of the piezometer annulus was backfilled with bentonite and cement-bentonite grout to within two feet of the ground surface. Each piezometer was completed with a flush-mount protective cover. Upon completion, each piezometer was developed to remove sediment from the well and filter sand pack. Piezometer construction logs are provided in Appendix B.

Cuttings generated during well installation were collected in UN-approved 55-gallon steel drums and staged on-site for pickup and disposal in accordance with federal, state, and local regulations. Upon completion, monitoring wells were developed to minimize turbidity in groundwater samples collected from each well and to improve their hydraulic properties. Development water generated was collected in UN-approved 55-gallon steel drums and staged on-site for pickup and disposal in accordance with federal, state, and local regulations as described in Section 2.6.

2.3.2 Groundwater Sampling

Groundwater samples were collected from each of the two existing and three new piezometers at the locations shown on Figure 5. Prior to groundwater purging and sampling the depth to water and light non-aqueous phase liquid (LNAPL), if present, in each piezometer were measured using an oil/water interface probe and recorded. Groundwater elevations are summarized in Table 1 and potentiometric contour maps are shown on Figures 6 and 7. Groundwater sampling was conducted in accordance with the USEPA Low-Flow/Low-Purge Sampling Protocol (USEPA, 1998). To the extent practicable, groundwater purging rates were low enough to prevent significant drawdown of the groundwater level in the piezometer. Water levels were monitored during sampling to ensure that excessive draw down did not occur. Each groundwater sample was analyzed for TCL VOCs by USEPA Method 8260B and TCL SVOCs by USEPA Method 8270C.

To evaluate geochemical characteristics of the groundwater, and to evaluate the effectiveness of well purging, temperature, pH, oxidation-reduction potential, specific conductivity, turbidity, and dissolved oxygen were measured during purging and immediately prior to groundwater sampling. Groundwater purge logs are presented in Appendix C. Purged groundwater was temporarily contained in pre-cleaned five-gallon buckets prior to discharge to evaluate whether sheens and/or non-aqueous phase liquids (NAPLs) are present in the purge water prior to discharge to the ground surface of the site in accordance with discussions with the NYSDEC.

2.4 Air Sparge / Soil Vapor Extraction (AS/SVE) Pilot Study

2.4.1 Well Point Installation

Air sparge, vapor extraction, and associated monitoring points were installed in the western portion of the site using 4.25-inch hollow stem auger drilling methods at the locations shown on Figure 5. One 1.5-inch diameter air sparge well with two feet of 0.01-inch slot PVC well screen installed to an approximate depth of 30 feet bgs. One 4-inch diameter vapor extraction well with five feet of 0.01-inch slot PVC well screen installed to an approximate depth of eight feet bgs. Six monitoring points were installed at distances between approximately five and 25 feet from the air sparge and vapor extraction wells. These monitoring points were constructed of 1.5-inch diameter PVC casing with 10 feet 0.01-inch slot PVC well screen installed to an approximate depth of 15 feet bgs such that the screens straddled the water table to monitor vacuum pressure and dissolved oxygen (DO)/volatile organic vapors during the pilot test. A clean, appropriately sized, filter pack

was installed around the screened interval of each well/monitoring point. The remainder of the well/monitoring point annulus was backfilled with bentonite and cement-bentonite grout to within two feet of the ground surface. Each well/monitoring point was completed with a flush-mount protective cover. Well/monitoring point construction logs are provided in Appendix B.

Cuttings generated during well installation were collected in UN-approved 55-gallon steel drums and staged on-site for pickup and disposal in accordance with federal, state, and local regulations as described in Section 2.6.

2.4.2 Pilot Test

An AS/SVE pilot test was conducted at the site on June 26, 2012 to assess the efficacy of this technology's use as a potential Interim Remedial Measure (IRM). The objectives of the pilot study were to evaluate the radius of influence (ROI) of AS and SVE at the site, demonstrate the effectiveness of AS and SVE for removal of VOCs from the subsurface, and to gain information necessary to design a full scale AS-SVE system for the site, including identifying the potential number and location of AS/SVE wells and the preferred range of air flow rates.

A trailer-mounted AS/SVE system was mobilized to the site, which included a generator, 19 horsepower regenerative blower capable of 600 cubic feet per minute (cfm) with an applied vacuum of 50 inches of water column (in W.C.), a 2 horsepower dry rotary vane vacuum/pump compressor rated for maximum air flow and applied pressure of 24 cfm and 14 pounds per square inch (psi), respectively, knock out tank, and off-gas treatment through vapor phase granular activated carbon. A dilution valve located on the suction side of the blower allowed for manual adjustment of the applied vacuum at the SVE point. The compressor was equipped with a volumetric flow meter gauge and an applied pressure gauge. The pilot test consisted of two phases: an SVE-only test immediately followed by a combined AS/SVE test. The duration of the SVE phase of the test was approximately two hours, while the duration of the combined AS/SVE phase of the test was approximately three hours.

Before, during, and after the SVE phase of the pilot test, water level, vacuum pressures, volatile organic vapor, and lower explosive limit (LEL) were measured in each of the six monitoring points using a water level probe, digital micro manometer (with an accuracy of at least 0.001 inches of water column), PID, and multi-gas monitor, respectively. The test began at an extraction rate of approximately 23 cfm and was increased stepwise, based on the measured vacuum pressures in the monitoring points, up to approximately 68 cfm.

Before, during, and after the AS/SVE phase pilot test, water level, vacuum pressure, volatile organic vapor, LEL, and dissolved oxygen (DO) concentrations were measured in each monitoring point using a water level probe, digital micro manometer (with an accuracy of at least 0.001 inches of water column), PID, multi-gas monitor, and DO meter, respectively. Physical observations (e.g., bubbling within monitoring points) and water levels were also recorded during test. The test began at an injection rate of approximately 10 cfm and extraction rate of approximately 60 cfm and both were modified stepwise, based on the field observations and measurements in the monitoring points, to a final air injection rate of approximately 15 cfm and extraction rate of approximately 25 cfm.

AS/SVE Pilot Test field data are presented in Appendix D.

Volatile organic vapor concentrations in the off-gas were periodically measured during all steps of the test using a PID. For each phase of the pilot test, two vapor samples were collected at the inlet to the blower prior to the extracted vapor passing through the blower. Samples were collected after at least one minute of blower operation and at the conclusion each phase of the pilot test. The canisters were batch certified clean (in accordance with EPA Method TO-15) and under a vacuum pressure of no more than -25 inches of mercury (in Hg). Vacuum gauges on each canister were used to collect instantaneous grab samples while leaving sufficient vacuum in the canister following sampling. Upon completion of sampling, each canister was checked for final vacuum pressure and shipped to the laboratory for analysis of VOCs using USEPA Method TO-15.

2.5 Survey

Upon completion of the field investigation activities, the location of each new soil boring, soil vapor monitoring point, piezometer, and AS/SVE pilot test point was surveyed to the nearest 0.1-foot and horizontally referenced to the same on-site datum used to create the site base map. Piezometer measurement points for top of casing and ground surface were surveyed to the nearest 0.01-foot vertically and referenced to the same on-site datum used to create the site base map. Site survey was conducted by YEC, Inc. of Valley Cottage, New York on March 24, 2011, August 12, 2011, and June 6, 2012.

2.6 Investigation-Derived Waste

Investigation derived wastes were handled in accordance with the NYSDEC Proposed Decision TAGM Disposal of Contaminated Groundwater Generated During Site Investigations and the Final TAGM – Disposal of Drill Cuttings. Soil and groundwater

were contained in U.N.-approved 55-gallon drums during drilling and well development and staged on-site pending characterization and pick up for transportation to the disposal facility. Waste disposal manifests are provided in Appendix E.

3. Data Validation

In accordance with the Work Plan, data validation was performed for the samples collected during the RI to ensure that the data generated provide sufficient information to achieve the project objectives. The Data Usability Summary Reports are included in Appendix F. Sample processing was generally conducted in compliance with the analytical protocol requirements and quality criteria. All data were classified as usable with some minor qualification. Detailed discussion is provided in the DUSR narratives in Appendix F.

4. Nature and Extent of Contaminants

4.1 Field Observations

The site land surface consists of sand and remnants of the former building concrete slabs. Numerous debris piles of concrete, brick, and wood from building demolition are present on the site. The site is generally flat and is surrounded by a perimeter fence. Waste consisting of paper, plastic, glass, metal, lumber, and concrete was observed on the ground surface throughout the site. Site photographs are provided in Appendix G.

As shown in the boring logs and the cross section in Figure 6, the soils that were encountered during drilling activities were generally fine to medium sand with trace amounts of angular gravel. Fill materials consisting of concrete, brick, and asphalt were encountered in some soil borings, generally in the upper five to ten feet bgs. Bedrock was not encountered during the site investigation. Visual and/or olfactory evidence of contamination was noted in the majority of the soil borings advanced at the site. No sheens or staining were observed during piezometer installation and no sheens were observed during well development or groundwater sampling. Tracer gas testing using helium conducted at soil vapor monitoring points completed within the sidewalks adjacent to the site before sampling confirmed the integrity of the bentonite seal at each point.

4.2 Groundwater Flow

As shown in Table 1 and on Figures 7 and 8, groundwater flow in the vicinity of the site is generally to the south-southwest. The hydraulic gradient measured during the

investigation was approximately 0.0004. Assuming a hydraulic conductivity and effective porosity typical for fine sand of 10^{-3} centimeters per second and 0.25, respectively, the estimated groundwater seepage velocity for the site is approximately 0.005 feet per day. Hydraulic heads in the piezometers screened at 25 feet bgs did not differ significantly from those screened at 50 feet bgs, indicating that vertical groundwater gradients within the investigation area are negligible and that groundwater flow directions in the "shallow" and "deep" zones are comparable.

4.3 Laboratory Results

Laboratory results for samples collected during the RI are summarized in Table 2 (soil samples), Table 3 (groundwater samples), and Table 4 (soil vapor and pilot test effluent samples). Graphical depictions of the soil, "shallow" groundwater, "deep groundwater", and soil vapor analytical results for VOCs are provided on Figures 9, 10, 11, and 12, respectively. These figures show detected analytes at each location and highlight those contaminants and their concentrations which exceed the 6 NYCRR Part 375 Unrestricted Use and Residential Soil Cleanup Objectives (SCOs) or NYSDEC Class GA Groundwater Standard, as applicable. Historical groundwater and soil VOC results are summarized on Figures 3 and 4, respectively. Analytical laboratory reporting forms for samples collected during the investigation are provided in Appendix H.

4.3.1 Subsurface Soil

Table 2 summarizes the analytical results for soil samples collected during the site investigation. The 6 NYCRR Part 375 Unrestricted Use and Residential SCOs are also listed in the tables for comparison. The analytical results for VOCs are also summarized on Figure 9.

Table 2 and Figure 9 show that tetrachloroethene (PCE) was present at concentrations greater than the corresponding Residential SCO in soil samples from SB-4 (8,100 micrograms per kilogram [µg/kg]) and SB-6 (6,800 µg/kg) and at a concentration greater than the corresponding Unrestricted Use SCO in the soil sample from SB-5 (4,400 µg/kg), at depths between nine and 12 feet bgs in the former loading dock area. Historic concentrations of PCE in the upper 10 feet of soil in the former loading dock area ranged from 120 to 170,000 µg/kg (Figure 4). Acetone was also present in samples from SB-3, SB-8, and SB-9 at concentrations greater than the corresponding Unrestricted Use SCO. The soil sample from SB-1 contained methylene chloride at a concentration greater than the corresponding Unrestricted Use SCO. The sample from SB-8 contained polycyclic aromatic hydrocarbons (PAHs) including benzo(a)anthracene, benzo(a)pyrene,

benzo(b)fluoranthene, benzo(k)fluoranthene, and chrysene at concentrations greater than the corresponding Residential, Restricted Residential, or Commercial SCOs. None of the other subsurface soil samples collected during the RI contained concentrations of VOCs or SVOCs greater than applicable SCOs.

4.3.2 Groundwater

Table 3 summarizes the analytical results for groundwater samples collected during the site investigation. The NYSDEC Class GA Groundwater Standards are also listed in the tables for comparison. The analytical results for VOCs are also summarized on Figure 8.

Table 3 and Figures 10 and 11 show that PCE, trichloroethene (TCE), cis-1,2-dichloroethene, vinyl chloride, benzene, and isopropylbenzene were the most frequently detected VOCs in groundwater samples collected during the RI, from both "shallow" (~25 feet bgs) and "deep" (~50 feet bgs) piezometers. At least one of these VOCs was present in all samples except PZ-5, PZ-6, PZ-12, PZ-16, SB-1 (25 feet), SB-9 (25 feet), and SB-10 (25 feet) at concentrations greater than the corresponding Class GA Standards. PCE was present at concentrations up to 1,300 µg/L (SB-5) in contrast to historical values as high as 11,000 µg/L (PZ-1). TCE, cis-1,2-dichloroethene, and vinyl chloride were present at concentrations up to 65 µg/L (PZ-9), 5,700 µg/L (SB-2), and 2,500 µg/L (SB-2), respectively. The concentration of vinyl chloride in PZ-11 was only slightly greater than the Class GA Standard. Additionally, bis(2-ethylhexyl)phthalate and naphthalene were detected in the groundwater sample collected from SB-2 (13 feet) at concentrations greater than the corresponding Class GA Standards.

The horizontal extent of VOC-impacted groundwater has generally been defined and is within the site area and immediately south between Euclid Avenue and Pine Street. Based on concentrations of PCE and daughter products, TCE and cis-1,2-dichloroethene, which are greater than corresponding Class GA Groundwater Standards in the "deep" (40-50 feet bgs) piezometer network, the vertical extent of VOC-impacted groundwater has not been fully defined on-site and immediately south of the site (PZ-13).

Based on the dissolved oxygen and oxidation-reduction potential values observed during groundwater sampling (Appendix C), anoxic/reducing conditions are present in much of study area. Coupled with the presence of chlorinated VOC breakdown products, these data suggest that natural degradation of site-related contaminants is occurring in the subsurface.

4.3.3 Soil Vapor

Table 4 summarizes the analytical results for soil vapor samples collected during the site investigation. The analytical results for are also summarized on Figure 12. As shown on Table 6 and in Figure 9, chlorinated VOCs (CVOCs) are present at elevated concentrations in the samples from SV-1, SV-7, SV-8, SV-9, SV-10, and SV-11 on the western half of the site. While PCE was detected in samples from the off-site vapor points SV-2, SV-3, SV-4, and SV-5 around the perimeter of the site, these concentrations were three to four orders of magnitude less than that of the on-site samples.

4.4 AS/SVE Pilot Test Results

4.4.1 Soil Vapor Extraction

The results of the SVE phase of the pilot test are presented in Table 5 and on Figure 13. Vacuum influence was observed at all monitoring points at distances up to 24 feet from the extraction well during each step of SVE phase of the test. Monitoring point AS/SVE-3, which is located approximately 14.6 feet from the extraction well, consistently showed vacuum influence of at least one order of magnitude less than the other points, suggesting poor connection between the well and the formation, and was therefore excluded from the ROI assessment in Figure 13. Otherwise, vacuum measurements indicate a direct relationship with proximity to the extraction well. As expected, greater vacuum pressures were recorded at the majority of the monitoring points as the applied vacuum at the wellhead was increased. As shown in Table 4, following startup, CVOC concentrations in the first SVE air sample from the pilot system influent (before treatment) airstream were comparable or higher than those of previous soil vapor samples collected at the site, suggesting that a strong vapor-phase pressure gradient within the vadose zone toward the extraction well was induced during the pilot test. As expected and shown by the second SVE air sample, these concentrations decreased over time.

4.4.2 Air Sparge / Soil Vapor Extraction

The results of the AS/SVE phase of the pilot test are presented in Table 6 and on Figure 14. Groundwater mounding/fluctuation of at least 0.25 feet was observed at all monitoring points except AS/SVE-4, at distances up to approximately 20 feet from the sparge point. Data collected from the monitoring points also confirmed a pressure response from the addition of air sparging up to a distance of approximately 24 feet from the sparge well. Dissolved oxygen values increased during the test in all monitoring points except AS/SVE-3, which may have poor well-formation connection, and AS/SVE-4, which is the

farthest from the sparge point. Bubbling at the ground surface was observed at monitoring point AS/SVE-5 (approximately 5 feet from the sparging well). Strong odors and elevated PID readings, relative to the SVE-only test, were noted near AS/SVE-2. As shown in Table 4, following the addition of AS to the continuing SVE, CVOC concentrations in the system airstream increased for all contaminants of concern, and subsequently increased after sustained sparging, indicating that sparging successfully achieved phase transfer of CVOCs from the dissolved phase to the vapor phase. This volatilization is also reflected in the LEL values during the last two steps of the test, which reached 100 percent at three monitoring locations (AS/SVE-3, AS/SVE-6, and AS/SVE-7).

5. Remedial Investigation Summary

5.1 Remedial Investigation

The primary site contaminants of concern, CVOCs, were present in soil samples at concentrations greater than the 6 NYCRR Part 375 Unrestricted Use and Residential SCOs. The location and depth of VOCs in soil are consistent with the suspected spill associated with the site. VOCs, including PCE and its daughter products, and to a much lesser extent benzene and isopropylbenzene, are also present in groundwater at concentrations greater than the NYSDEC Class GA Groundwater Standards on the site and to the immediate south and west of the site. CVOCs are present at elevated concentrations in soil vapor in the western half of the site, the suspected source area, and to the immediate west of the site. PCE was present in off-site soil vapor samples but at concentrations three to four orders of magnitude lower than on-site samples. Based on the results of the AS/SVE pilot test, this technology appears to be appropriate for use at the site.

5.2 Conceptual Site Model

With the conclusion of RI sampling, the current Conceptual Site Model is as follows:

The site consists of approximately 24,000 square feet located at 740 Pine Street at the corner of Loring Avenue in Brooklyn. The site is bordered by commercial properties to the north and west and by residential properties, dominantly two-family structures, to the east and south. There are currently no structures on site, the site buildings having been demolished in approximately 2007. Historical use of the property as an industrial laundry and dry cleaning facility between 1926 and 2004 resulted in the release of chlorinated VOCs into soil and groundwater. Additionally, three USTs were reportedly present and abandoned in-place within the footprint of the former masonry block building addition and

potentially in the rear portion of the main building near the former loading dock (Anson, 2004). Additionally, it was reported that a UST under the south side of the former building may have contained PCE (Anson, 2004).

The site land surface consists of sand and remnants of the former building's concrete slabs. Numerous debris piles of concrete, brick, and wood from building demolition are present on the site. The site is generally flat and is surrounded by a perimeter fence. Waste consisting of paper, plastic, glass, metal, lumber, and concrete, was observed on the ground surface throughout the site. The site subsurface consists of primarily of fine to medium sand with trace amounts of angular gravel. Fill materials consisting of concrete, brick, and asphalt were encountered in some soil borings, generally in the upper five to 10 feet bgs.

Source areas for soil (with concentrations greater than 6 NYCRR Part 375 Unrestricted Use SCOs) and groundwater (with concentrations greater than Class GA Groundwater Standards) contamination appear to be the former parking and loading dock areas in the western portion of the property. CVOC-impacted groundwater appears to have migrated laterally from the site in the immediate down-gradient vicinity and also migrated vertically downward to a depth of at least 50 feet bgs on-site and immediately south of the site. The vertical extent of the VOC plume has not been fully delineated by this investigation. CVOCs are present at elevated concentrations in soil vapor in the western half of the site, the suspected source area, and immediately off-site to the west. The concentrations of CVOCs in some of these samples are great enough to exceed NYSDOH sub-slab mitigation guidelines for any future buildings present on the site and potentially for adjacent buildings to the west.

The direction of overburden groundwater flow across the site is generally toward the south-southwest. The average depth to water measured in the monitoring well network is approximately 10 feet bgs. Neither bedrock nor a lower confining unit were encountered during the investigation and vertical groundwater gradients within the investigation area appear to be negligible.

6. Exposure/Risk Assessment

A qualitative exposure assessment was performed using the data collected during the RI. The qualitative exposure assessment consists of characterizing the exposure setting, identifying potential exposure pathways, and evaluating contaminant fate and transport. An exposure pathway describes the means by which an individual may be exposed to contaminants originating from the site. An exposure pathway has five elements: (1) a

contaminant source; (2) contaminant release and transport mechanism; (3) a point of exposure; (4) a route of exposure; and (5) a receptor population.

6.1 Exposure Pathways

6.1.1 Soil

Subsurface soil, as characterized during the remedial investigation, generally in the western half of the site, contains concentrations of CVOCs and to a much lesser extent other VOCs and PAHs, that are greater than corresponding Unrestricted Use and Residential SCOs. These subsurface soils do not presently have an exposure point or route, as they are at depth. However, contact with the impacted soils by construction and/or utility workers represents a possible future exposure pathway.

6.1.2 Groundwater

Groundwater at the site contains VOCs (primarily CVOCs) at concentrations greater than the NYSDEC Class GA Standards. These compounds have been mobilized, via generally south-southwestward groundwater flow, to at least the south side of Loring Avenue between Euclid Avenue and Pine Street. The down-gradient homes do not utilize groundwater as a drinking water source. However, there are no institutional controls to prevent the use of groundwater in the area; therefore, ingestion of contaminated groundwater is a potential exposure pathway and soil vapor intrusion from volatilization of the groundwater plume off-site to the south and west.

6.1.3 Soil Vapor

CVOCs are present at elevated concentrations in soil vapor in the western half of the site, the suspected source area. The concentrations of CVOCs in some of these samples are great enough to exceed NYSDOH sub-slab mitigation guidelines for any future buildings present on the site and therefore represent a possible future exposure pathway.

7. Remedial Action Objectives and Evaluation Criteria

The remedial goal for the Former Majestic Cleaners Site will be the restoration of the site to pre-release conditions, to the extent feasible, given the existing and anticipated land use. At this time, the end use of the property is unknown, but is expected to be consistent with the residential and commercial land use that is typical of the area. Accordingly, the

remedial action objectives (RAOs) discussed in this section were developed based upon a similar end-use of the site.

7.1 Remedial Action Objectives

7.1.1 Soil

- Restoration to pre-release conditions, to the extent practical.
- Prevent direct contact with contaminated soil.
- Prevent inhalation of, or exposure to, contaminants volatilizing from soil.
- Prevent migration of contaminants which would result in further groundwater contamination.
- Remove the source of soil contamination.

7.1.2 Groundwater

- Prevent ingestion of contaminated groundwater.
- Prevent contact with or inhalation of volatiles from contaminated groundwater.
- Restore the groundwater aquifer to pre-release conditions, to the extent practical.
- Remove the source of groundwater contamination.

7.1.3 Soil Vapor

- Prevent contact with or inhalation of volatiles from contaminated soil and/or groundwater.
- Remove the source of soil vapor contamination.

Generally, these RAOs may be achieved by minimizing the:

- Magnitude and extent of contamination in the affected media;

- Migratory potential of the contaminants; and
- Potential for human exposure to in-situ contaminated media.
-

7.2 Evaluation Criteria

In accordance with DER-10 Technical Guidance for Site Investigation and Remediation (DER-10) (NYSDEC, 2010), the remedial measure alternatives developed in this Feasibility Study will be screened based on an evaluation of the following criteria:

- Overall Protection of Human Health and the Environment;
- Compliance with Standards, Criteria, and Guidance (SCGs);
- Long-term Effectiveness and Permanence;
- Reduction of Toxicity, Mobility, and Volume;
- Short-term Effectiveness;
- Implementability;
- Cost;
- Community Acceptance.

7.2.1 Overall Protection of Human Health and the Environment

This criterion serves as a final check to assess whether each alternative meets the requirements that are protective of human health and the environment. The overall assessment of protection is based on a composite of factors assessed under other evaluation criteria; especially long-term effectiveness and performance, short-term effectiveness; and compliance with SCGs. The evaluation focuses on how a specific alternative achieves protection over time and how site risks are reduced. The analysis includes how each source of contamination is to be eliminated, reduce, or controlled for each alternative.

7.2.2 Compliance with SCGs

This evaluation criterion assesses how each alternative complies with 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives, 6 NYCRR Part 375 Residential Soil Cleanup Objectives, NYSDEC Class GA Standards, and the guidelines set forth in the NYSDOH October 2006 Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York.

7.2.3 Long-Term Effectiveness and Permanence

This evaluation criterion addresses the results of a remedial action in terms of its permanence and quantity/nature of waste or residual remaining at the site after response objectives have been met. The primary focus of this evaluation is the extent and effectiveness of the controls that may be required to manage the waste or residual remaining at the site and operating system necessary for the remedy to remain effective. The factors being evaluated include the permanence of the remedial alternative, magnitude of the remaining risk, adequacy of controls used to manage residual waste, and reliability of controls used to manage residual waste.

7.2.4 Reduction of Toxicity, Mobility, and Volume

This evaluation criterion assesses the remedial alternative's use of the technologies that permanently and significantly reduce toxicity, mobility, or volume of the hazardous wastes as their principal element. The NYSDEC's policy is to give preference to alternatives that eliminate any significant threats at the site through destruction of toxic contaminants, reduction of the total mass of toxic contaminants, irreversible reduction in the contaminants mobility, or reduction of the total volume of contaminated media. This evaluation includes: the amount of the hazardous materials that would be destroyed or treated, the degree of expected reduction in toxicity, mobility, or volume measured as a percentage, the degree in which the treatment would be irreversible, and the type and quantity of treatment residuals that would remain following treatment.

7.2.5 Short-Term Effectiveness

This evaluation criterion assesses the effects of the alternative during the construction and implementation phase. Alternatives are evaluated with respect to the effects on human health and the environment during implementation of the remedial action. The aspects evaluated include: protection of the community during remedial actions, environmental impacts as a results of remedial actions, time until the remedial response objectives are achieved, and protection of workers during the remedial action.

7.2.6 Implementabilty

This criterion addresses the technical and administrative feasibility of implementing an alternative and the availability of various services and materials required during its implementation. The evaluation includes: feasibility of construction and operation; the reliability of the technology; the ease of undertaking additional remedial action; monitoring considerations; activities needed to coordinate with other offices or agencies; availability of adequate off-site treatment, storage, and disposal services; availability of equipment; and the availability of services and materials.

7.2.7 Cost

Cost estimates are prepared and evaluated for each alternative. The cost estimates include capital costs, operation and maintenance (O&M) costs, and future capital costs. A cost sensitivity analysis is performed which includes the following factors: the effective life of the remedial action, the O&M costs, the duration of the cleanup, the volume of contaminated material, other design parameters, and the discount rate. Cost estimates developed at the detailed analysis of alternatives phase of a feasibility study generally have an exposed accuracy range of -30 to +50 percent (USEPA, 2000).

7.2.8 Community Acceptance

Following submission of this report and the generation of the Proposed Remedial Action Plan (PRAP) by the NYSDEC, a summary of the proposed remedial action will be sent to the project's contact list, which will include the date, time, and location of the public meeting, and announcement of the 30-day period for submission of written comments from the public. A Responsiveness Summary will be prepared to address public comments on the PRAP. After the submission of Responsiveness Summary, a final remedy will be selected and publicized. If the final remedy differs significantly from the proposed remedy, public notices will include descriptions of the differences and the reason for the changes.

8. Identification and Screening of Technologies

8.1 Identification and Screening of General Response Actions and Technology Process Options

8.1.1 Soil

GRAs for soil are limited to areas of remaining CVOC-impacted soil at the site. Soil samples containing CVOCs are present in the western portion of the site at concentrations greater than the corresponding 6 NYCRR Part 375 Unrestricted Use and Residential SCOs which are consistent with the known and/or suspected source area(s). These impacted soils have been a source of groundwater contamination to groundwater.

8.1.1.1 No Further Action

The “no further action” GRA, by definition, involves no further institutional controls, environmental monitoring, or remedial action, and therefore, includes no technological barriers. This GRA defines the minimum steps that would be taken at the site in the absence of any type of action directed at the existing contamination. In accordance with DER-10, the no further action GRA will be retained for alternatives development.

8.1.1.2 Institutional Controls

Institutional controls are not technologies, but rather, are legal actions that reduce or prevent exposure of the human population to the contaminated soil and/or groundwater (e.g., deed restrictions, fencing/signs, health advisories). Institutional controls can be used as a stand-alone alternative or can be used in conjunction with other technologies to achieve RAOs. Because impacted soil at the site has created a groundwater plume that has migrated off-site to potential receptors, institutional controls should not be used as a stand-alone alternative for the site. Because the majority of the soil impacted by CVOCs is at or immediately above the water table, institutional controls could be effective in preventing human exposure to soil. Therefore, institutional controls will be retained for further consideration in conjunction with other technologies.

8.1.1.3 Extraction/Ex-Situ Technologies

Extraction technologies would involve soil vapor extraction or thermal treatment, which are then coupled with various methods to capture and dispose or destroy the released contaminants. Ex-situ technologies would involve the excavation of contamination from soil with subsequent treatment or disposal.

Excavation

Excavation is a useful remedial option when the location of the source of contamination is known or if there is a well delineated contaminated area. The impacted area at the site has been relatively well delineated by soil sampling results containing CVOCs at concentrations greater than the corresponding 6 NYCRR Part 375 Unrestricted Use and Residential SCOs. Adequate source removal, including unsaturated impacted soil is considered an important component of any selected remedy. Therefore, soil excavation is considered to be an appropriate remedial alternative and will be retained for alternatives development.

Soil Vapor Extraction

Soil vapor extraction (SVE) techniques are utilized to remove VOCs from soil in the unsaturated zone. The vapor extraction process involves passing air through the soil, thereby volatilizing the contaminants from the unsaturated soil to the air. The air is then collected through a well network and treated through granular activated carbon or thermal oxidation to remove the contaminants prior to discharge. Advantages of SVE include relatively fast treatment times, on the order of six months to two years, and limited disturbance to the site. Disadvantages include lower effectiveness in low permeability soils, the need for surface treatment and discharge of extracted air. Due to the suitable grain size, porosity, and relative stratigraphic homogeneity of site soils, the lack of onsite structures, and the success of the on-site SVE pilot test, soil vapor extraction is considered to be an appropriate remedial alternative and will be retained for alternatives development.

Thermal Treatment

Thermal treatment removes contaminants by introducing heat to the subsurface, thereby increasing the volatility and mobility of the VOCs in the soil. The liberated VOCs are collected at the surface through an SVE well network and are subsequently treated through granular activated carbon or thermal oxidation. The most common thermal remediation technologies are steam-enhanced extraction, electrical resistance heating (ERH), and thermal conduction heating (TCH). The advantages of thermal remediation are the preferential treatment of areas of lower permeability since these areas conduct heat more effectively, and relatively fast treatment times, typically less than a year. Disadvantages of thermal treatment include the need for surface collection and treatment for liberated VOCs, as with SVE, and relatively high costs when remediating low levels of

VOCs. Based on the above disadvantages, thermal treatment will not be considered further as a remedial option for the site.

8.1.1.4 In-Situ Technologies

In-situ treatment uses physical or biological processes to remove or degrade contaminants in place. In-situ treatment of contaminated soil would be accomplished through in-situ chemical oxidation (ISCO).

In-Situ Chemical Oxidation

ISCO would involve the injection of chemical oxidants and associated reagents into the subsurface to generate free radicals and directly oxidize organic contaminants (PCE) into innocuous end products, such as carbon dioxide, water, and inorganic compounds. Injection points may be either permanently installed wells or temporary injection points installed using direct-push methods. The advantages of ISCO include relatively short remediation times, limited operations and maintenance (O&M) costs, and little to no disruption to surface activities. Disadvantages of ISCO include the necessity to inject large volumes of liquids, difficulty when injecting into low permeability formations, and health and safety issue associated with the handling and injection of oxidants and reagents. While several of the ISCO oxidants would be applicable to the site contaminants, the vast majority of the soil impacted by chlorinated VOCs is at the water table, and could be addressed by ISCO targeted to the saturated zone, and will therefore be evaluated in Section 8.1.2.

8.1.2 Groundwater

GRAs for groundwater are limited to areas exceeding the NYSDEC Class GA Standards, generally including the western portion of the site and immediate off-site areas to the south-southwest.

8.1.2.1 No Further Action

The no further action GRA, as described in Section 8.1.1.1 will be retained for alternatives development.

8.1.2.2 Institutional Controls

Because of the presence of groundwater impacted by CVOCs on- and off-site, institutional controls should not be used as a stand-alone alternative for the site.

However, preventing the use of groundwater could be effective in preventing human exposure to contaminated groundwater. Long-term groundwater monitoring can also be included in institutional controls to detect contaminant migration toward potential receptors. Long-term monitoring is distinct from natural attenuation in that it does not attempt to demonstrate that the contaminants are being degraded and/or that they will be attenuated before reaching a receptor. Institutional controls, as described in Section 8.1.1.2 will therefore be retained for alternatives development in conjunction with other technologies.

8.1.2.3 Extraction/Ex-Situ Technologies

Extraction of contaminated groundwater would be accomplished by altering the existing hydraulic gradients through pumping. The groundwater extraction options are coupled with various treatment technologies to remove the contamination from the water prior to discharge. Extraction options include vertical well groundwater extraction and treatment methods and air sparging/vapor extraction.

Groundwater Extraction and Treatment

This technology includes the installation of at least one vertical groundwater recovery well equipped with a pump in or down-gradient from the area of contaminated groundwater, and a surface treatment technology prior to discharge or re-injection. The number of wells is a function of the possible pumping rate and aquifer characteristics. The capture zone of the wells should, at a minimum, encompass the area of contaminated groundwater or the most contaminated portion of the aquifer. Due to the need for surface collection, treatment, and subsequent discharge or re-injection of potentially large quantities of groundwater, vertical well pump and treat technology is not considered to be cost effective or feasible for the site. Therefore, this technology is not retained for alternatives development.

Air Sparging / Soil Vapor Extraction

Air sparging involves pressurized injection of air below the water table to volatilize dissolved phase and saturated absorbed phase contaminants into the vapor phase. The contaminants are removed by applying a vacuum to the unsaturated zone with vapor extraction wells. The soil vapor phase is then treated on the surface to capture and dispose and/or destroy the contaminants. Advantages of AS/SVE include readily available equipment, short treatment times, and minimal site disturbance. Disadvantages include decreased effectiveness in lower permeability soils and the potential for migration

of vapors into nearby basements or other confined spaces. The presence of cis-1,2 dichloroethene and vinyl chloride in groundwater are indicative of natural reductive dechlorination at the site. Because reductive dechlorination can only take place in reducing environments (i.e., in the absence of oxygen), introducing air/oxygen into the system may counteract natural degradation already occurring. Due to the ideal grain size, porosity, and relative stratigraphic homogeneity of site soils, the lack of onsite structures, and the encouraging results of the on-site AS/SVE pilot test, AS/SVE extraction is considered to be an appropriate remedial alternative and will be retained for alternatives development.

8.1.2.4 In-Situ Treatment Technologies

In-situ treatment uses physical or biological processes to remove or degrade contaminants in place. In-situ treatment of contaminated groundwater would be accomplished through in-situ chemical oxidation (ISCO) or enhanced bioremediation.

In-Situ Chemical Oxidation

ISCO would involve the injection of chemical oxidants and associated reagents into the subsurface to generate free radicals and directly oxidize petroleum constituents and chlorinated solvents (i.e., PCE) into innocuous end products, such as carbon dioxide, water, and inorganic compounds. Injection points may be either permanently installed wells or temporary injection points installed using direct-push methods. The advantages of ISCO include relatively short remediation times, limited operations and maintenance (O&M) costs, and little to no disruption to surface activities. Disadvantages of ISCO include the necessity to inject large volumes of liquids, difficulty when injecting into low permeability formations, and health and safety issue associated with the handling and injection of oxidants and reagents. Potassium and sodium permanganate and activated persulfate would be applicable to the site, and would involve several injections over time at multiple locations accompanied by confirmation sampling. ISCO is considered feasible and is retained for alternatives development.

Enhanced Bioremediation

Enhanced Bioremediation would involve the injection of an electron donor material that would produce a source of hydrogen. Hydrogen is the key ingredient in the anaerobic contaminant degrading process known as reductive dechlorination. Reductive dechlorination is the mechanism by which chlorinated compounds are biodegraded into less harmful constituents such as ethene and ethane. The presence of cis-1,2

dichloroethene and vinyl chloride at the site indicates that reductive dechlorination is already occurring naturally and could potentially be enhanced. For the chlorinated VOC-impacted groundwater present at the site, Hydrogen Release Compound (HRC®), a patented food-grade formulation of a viscous glycerol tripolylactate, is a common amendment, as is molasses, and Emulsified Oil Substrate (EOS®), which is a soybean oil/vegetable oil emulsion. These substrates typically persist for months in the subsurface. Similar to other in-situ technologies, the relatively high permeability of the site soils suggest that enhanced bioremediation could be effective. A pilot test, involving the installation of additional monitoring wells or Geoprobe points, would be necessary to determine the radius of influence of the chosen amendment before full-scale treatment could begin. Enhanced bioremediation is considered to be potentially feasible for treatment of the site and is retained for alternatives development.

8.2 Technology Screening

In this section, the potentially applicable remedial technologies for the site are developed in more detail. Each remedial technology is assessed separately to identify those that are technically feasible to implement and can meet the site RAOs in the long- or short-term. The technologies are then assembled into Remedial Alternatives (RAs).

8.2.1 No Further Action

A No Further Action alternative defines the minimum steps that would be taken at the site in the absence of remedial actions and must be evaluated in accordance with DER-10.

8.2.2 Institutional Controls

Because impacted soil and groundwater are present both on- and off-site, institutional controls should not be used as a stand-alone alternative for the site. However, institutional controls could be an effective component of the chosen remedial alternative by preventing human exposure to site soil, and preventing future use of groundwater in the area. Long-term monitoring could be included to monitor the groundwater plume and detect any further migration toward potential receptors. Therefore, institutional controls will be retained for further consideration in conjunction with other technologies.

8.2.3 Excavation

Excavation can be implemented using readily available technologies and there is adequate space for staging of excavated soil and equipment. Although much of the soil

impacted by CVOCs is present largely near the water table, soil in the affected areas could be removed by excavation. Therefore, the use of excavation for limited source removal is considered to be applicable for the site.

8.2.4 Air Sparge/Soil Vapor Extraction

AS/SVE could be effective at volatilizing and removing VOC subsurface contaminants. Site soils are amenable to AS/SVE, as demonstrated by the results of the AS/SVE pilot test discussed in Section 4.4. AS/SVE would require the installation of a network of injection and extraction wells along with associated blowers, compressors, piping, and support structures to capture and remediate the extracted vapor, all of which can be implemented using readily available technologies. Additionally, there is adequate space at the site for the required equipment if surface materials/debris are relocated. Therefore, the use of AS/SVE for both source removal and mitigation of off-site vapor migration is considered to be applicable for the site.

8.2.5 ISCO

Permanganate is an oxidizing agent with a unique affinity for oxidizing organic compounds with carbon-carbon double bonds (e.g., PCE and TCE). Sodium permanganate has a much higher solubility in water than potassium permanganate, allowing it to be used for ISCO at higher concentrations. Because ISCO using permanganate precipitates MnO, desorption of contaminant mass from soil can stall due to the buildup of MnO. Permanganate is therefore better suited to dissolved phase contaminants. Sodium persulfate dissociates in water to form the persulfate anion ($S_2O_82^-$) which, although a strong oxidant, is kinetically slow in oxidizing many organic contaminants. When catalyzed or 'activated' in the presence of high pH (e.g., via addition of sodium hydroxide [NaOH]), heat (thermal catalyzation), a ferrous salt, or hydrogen peroxide, the persulfate ion is converted to the sulfate free radical ($SO4^{-\bullet}$). The sulfate free radical is a very potent oxidizing agent that has a greater oxidation potential than the persulfate anion. Formation of $SO4^{-\bullet}$ may also initiate the formation of the hydroxyl free radical, another strong oxidizing agent. However, like potassium permanganate, activated persulfate is a powder that must be mixed on-site and is a corrosive irritant, requiring appropriate handling precautions. Further, decomposition of the oxidant in-situ can cause a buildup of sulfuric acid and/or sulfate in groundwater. Additionally, persulfate has a limited longevity (on the order of weeks), so it is anticipated that multiple treatments over several years would be required to achieve significant treatment. Although numerous injection points would be required, the water table is relatively shallow and direct-push is known to work at the site, suggesting that ISCO could be effective in

meeting the RAOs. The affected source and off-site areas are not large, suggesting that ISCO could be cost-effective for source area treatment. Due to its greater subsurface longevity, and ease of handling and mixing with respect to persulfate, ISCO using sodium permanganate is considered to be potentially applicable to the site and is retained for further analysis. A pilot test, involving Geoprobe points, would be necessary to determine the radius of influence of the oxidant before full-scale treatment could begin.

8.2.6 Enhanced Bioremediation

Natural attenuation processes that occur in the subsurface at the site could be accelerated through augmentation of the microbial community and the introduction of supplemental hydrogen into the groundwater via the use of an electron donor. The introduction of such amendments implemented using readily available technologies and could be accomplished by direct injection through drilled or direct-push boreholes. Amendments are most frequently used to address dissolved phase contamination and/or saturated soils, where most of the contamination at the site resides. A pilot test, involving Geoprobe points, would be necessary to determine the radius of influence of the amendments and sustainability of an introduced bacterial population before full-scale treatment could begin. Enhanced bioremediation using amendments with bioaugmentation is considered potentially applicable to the site.

8.3 Remedial Alternatives

Based upon the site characteristics, the GRAs, and technology screening presented above, the following remedial alternatives were considered to be potentially applicable for source area soil and groundwater treatment at the site:

Alternative 1: No Further Action

Alternative 2: Institutional Controls + Long-Term Monitoring

Alternative 3: Source Area Excavation

Alternative 4: AS/SVE

Alternative 5: Source Area Excavation plus Enhanced Bioremediation

Alternative 6: Source Area Excavation plus ISCO using Sodium Permanganate

9. Remedial Alternatives Analysis

This section presents an analysis of the potential remedial alternatives for remediation of the Former Majestic Cleaners Site in accordance with the criteria described in Section 7.2.

9.1 Remedial Alternatives Evaluation

9.1.1 Alternative 1: No Further Action

9.1.1.1 Description

The no further action alternative will serve as the baseline representing the minimum steps to be taken for remediation of the area.

9.1.1.2 Overall Protection of Human Health and the Environment

The No Further Action alternative would not be protective of public health and the environment. Although the majority of the site contaminants are present at depth, soil, groundwater, and soil vapor impacted by CVOCs would be left at the site and the immediate off-site vicinity, and could provide a potential source for soil vapor intrusion. The nearest receptor is supplied with public drinking water; however, there is no restriction on the use of groundwater in the area. Therefore, potential future exposure to contaminated groundwater would be through ingestion of groundwater and/or to construction/excavation activities at the site or adjacent properties.

9.1.1.3 Compliance with SCGs

The No Further Action alternative is not likely to meet the SCGs over the long term as the contaminants have been present at the site for at least 15 years and still exceed SCGs.

9.1.1.4 Long-Term Effectiveness and Permanence

The No Further Action alternative is not likely to meet the SCGs over the long term as the contaminants have been present at the site for at least 15 years and still exceed SCGs.

9.1.1.5 Reduction of Toxicity, Mobility, and Volume with Treatment

The No Further Action alternative would not reduce the toxicity or mobility of the contaminants.

9.1.1.6 Short-Term Effectiveness

Community Protection

The No Further Action alternative would not be protective of the community during the short-term since the contaminants in the off-site plume have migrated at least as far as the south side of Loring Avenue to the south and the potential for ingestion of groundwater and soil vapor intrusion must be considered.

Worker Protection

Implementation of this alternative would be undertaken using standard procedures for worker protection including the establishment of a health and safety plan which would the appropriate protective measures which should be undertaken during any subsurface activities in the affected area.

Environmental Impacts

Implementation of this alternative would not reduce environmental impacts as the contaminants have been present at the site for at least 15 years and still exceed SCGs.

Time Required to Implement

The No Further Action alternative would not require any time to implement.

9.1.1.7 Implementability

The No Further Action alternative can be easily implemented.

9.1.1.8 Cost

The No Further Action Alternative would not require any additional costs to implement.

9.1.2 **Alternative 2: Institutional Controls and Long-Term Monitoring**

9.1.2.1 Description

Alternative 2 would include all of the elements of the No Further Action alternative, plus the implementation of restrictions on the access to on-site soil and the use of groundwater at the site and in the immediate vicinity and the requirement for the installation of sub-slab depressurization systems (SSDSs) in any future on-site buildings. Groundwater use restrictions would include deed restrictions to prevent future use of the groundwater and control activities at the site, including notification procedures for future owners and/or developers/workers of the restricted use of the property, and/or a moratorium on groundwater use within the impacted area. This alternative would not actively reduce contaminant concentrations; however, by prohibiting the use of groundwater as a drinking water source, this alternative would be effective in preventing ingestion of groundwater that contains contaminants. Because contamination would remain both on- and off-site, a Site Management Plan (SMP) would be required that would provide specific requirements for site development and use including annual site inspections. A long-term monitoring program will be implemented at the site to evaluate the extent of contaminant migration and attenuation. Annual groundwater monitoring of the existing groundwater monitoring well network would be part of the long-term groundwater monitoring program.

9.1.2.2 Overall Protection of Human Health and the Environment

Alternative 2 may be protective of public health and the environment. Although the contaminants are present at depth, groundwater impacted by CVOCs is known to exist near and likely beneath the adjacent residences to the south of the site, and a soil vapor intrusion investigation of these adjacent residences and businesses to the west of the site may be required. However, continued monitoring would provide a means to evaluate contaminant concentrations over time. Prohibition of the use of groundwater would prevent the future exposure to groundwater via ingestion, therefore, potential future exposure to contaminated groundwater would be to construction/excavation activities at the site or utility rights-of-way. This exposure pathway could be mitigated through the use of appropriate health and safety protocols during any such work. Requirements for SSDSs for future on-site buildings would prevent the future exposure to soil vapor via inhalation.

9.1.2.3 Compliance with SCGs

Alternative 2 is not likely to meet the SCGs over the long term as the contaminants have been present at the site for at least 15 years and still exceed SCGs.

9.1.2.4 Long-Term Effectiveness and Permanence

Alternative 2 is not likely to meet the SCGs over the long term as the contaminants have been present at the site for at least 15 years and still exceed SCGs.

9.1.2.5 Reduction of Toxicity, Mobility, and Volume with Treatment

Alternative 2 would not reduce the toxicity or mobility of the contaminants.

9.1.2.6 Short-Term Effectiveness

Community Protection

This alternative may not be protective of the community during the short-term since the contaminants in the off-site plume have migrated at least as far as the south side of Loring Avenue to the south and the potential for soil vapor intrusion must be considered.

Worker Protection

Implementation of this alternative would be undertaken using standard procedures for worker protection including the establishment of a health and safety plan which would the appropriate protective measures which should be undertaken during any subsurface activities in the affected area.

Environmental Impacts

Implementation of this alternative would not reduce environmental impacts.

Time Required to Implement

This alternative would likely require less than one year to implement.

9.1.2.7 Implementability

Alternative 2 could be easily implemented using readily available technologies.

9.1.2.8 Cost

The capital, O&M and Present worth costs for Alternative 2 are presented in Table 7. A 30 year monitoring period was chosen for this alternative.

- **Capital Costs**: The probable capital cost to construct and implement Alternative 2 is approximately $60,000.
- **O&M Costs**: The probable annual operations, monitoring and maintenance cost for Alternative 2 is $30,000.
- **Present Worth Cost**: Over a 30 year monitoring period, the probable net present worth for this alternative is approximately $544,000. This was calculated using a 5% annual discount rate.

9.1.3 Alternative 3: Excavation

9.1.3.1 Description

Alternative 3 would include all of the elements of the Institutional Controls alternative, plus the following items, which are depicted on Figure 15:

- Excavation of on-site soil within the remediation area to the depth of the water table, approximately 10 feet bgs;
- Off-site disposal of excavated soil in accordance with applicable federal, state, and local regulations;
- Backfilling of excavation with clean fill following confirmation sampling that indicates that impacted soil has been removed; and
- Post-excavation groundwater monitoring.

This alternative assumes that sheeting would not be required to support the excavation and that the excavated soil would be classified as an F-Listed hazardous waste. Due to the presence of adjacent sidewalks and roadways it is possible that not all of the contaminated soil would be removed.

9.1.3.2 Overall Protection of Human Health and the Environment

Alternative 3 may not protective of public health and the environment in that this alternative removes source material, but does not address the groundwater or soil vapor contamination.

9.1.3.3 Compliance with SCGs

Alternative 3 should meet soil SCGs and may meet other SCGs over the long term by removing the sources of groundwater contamination.

9.1.3.4 Long-Term Effectiveness and Permanence

Alternative 3 may be effective in the long-term through removal of the sources of groundwater contamination.

9.1.3.5 Reduction of Toxicity, Mobility, and Volume with Treatment

Alternative 3 would not reduce the toxicity of the contaminants, but would reduce their mobility and contaminant mass in the soil.

9.1.3.6 Short-Term Effectiveness

Community Protection

This alternative may not be protective of the community during the short-term since the contaminants in the groundwater have migrated at least as far as the south side of Loring Avenue to the south and the potential for groundwater ingestion and soil vapor intrusion must be considered.

Worker Protection

Implementation of this alternative would be undertaken using standard procedures for worker protection including the establishment of a health and safety plan which would the appropriate protective measures which should be undertaken during any subsurface activities in the affected area.

Environmental Impacts

Implementation of this alternative would over time reduce environmental impacts through the removal of sources of groundwater contamination.

Time Required to Implement

The time required to implement this alternative is approximately one year.

9.1.3.7 Implementability

Alternative 3 could be implemented using readily available technologies.

9.1.3.8 Cost

The capital, O&M, and Present worth costs for Alternative 3 are presented in Table 8. A 20 year groundwater monitoring period was chosen for the analysis.

- **Capital Costs:** The probable capital cost to construct and implement this alternative is approximately $947,635.
- **O&M Costs:** The probable annual operations, monitoring, and maintenance cost for this alternative is $30,000.
- **Present Worth Cost:** Over a ten year monitoring period, the probable net present worth for this alternative is approximately $1,340,000.

9.1.4 Alternative 4: Air Sparge/Soil Vapor Extraction

9.1.4.1 Description

Alternative 4 would include all of the elements of the Institutional Controls alternative, plus the following items, which are depicted on Figure 15:

- Installation of injection and extraction wells and associated blowers, compressors, piping, and support structures;
- Continuous sparging and vapor extraction within the source area;
- Pre- and Post-remediation groundwater and soil vapor sampling; and
- Groundwater monitoring.

9.1.4.2 Overall Protection of Human Health and the Environment

Alternative 4 would likely be more protective of human health and the environment than the No Further Action alternative because the use of AS/SVE would result in the removal of contaminants from soil and groundwater in the subsurface, thereby reducing the potential for exposure pathways.

9.1.4.3 Compliance with SCGs

Alternative 4 should meet soil and groundwater SCGs on the site in the short term and may meet the groundwater SCGs off of the site over the long term by removing the sources of groundwater contamination.

9.1.4.4 Long-Term Effectiveness and Permanence

The use of AS/SVE would remove the contaminants from the subsurface and would, therefore, be effective over the long-term.

9.1.4.5 Reduction of Toxicity, Mobility, and Volume with Treatment

Alternative 4 would not reduce the toxicity of the CVOCs, but would be expected to decrease the mobility of the contaminants from the site, and greatly reduce the contaminant mass in the soil and groundwater.

9.1.4.6 Short-Term Effectiveness

Community Protection

Alternative 4 would be protective of the community during the short-term since the use of AS/SVE would result in the immediate removal of contaminants from the subsurface.

Worker Protection

Utility workers would be protected under Alternative 4 since the use of AS/SVE would result in the removal of contaminants from the subsurface.

Environmental Impacts

Implementation of this alternative would benefit the environment through the removal of contaminants from the subsurface.

Time Required to Implement

The time required to implement this alternative is approximately two years.

9.1.4.7 Implementability

Installing wells and the equipment required for AS/SVE, routine groundwater sampling and monitoring activities are actions that can be readily implemented at the site.

9.1.4.8 Cost

The capital, O&M and Present worth costs for Alternative 4 are presented in Table 9. A five year monitoring period was chosen for this alternative to verify steady state conditions.

- **Capital Costs**: The probable capital cost to construct and implement this alternative is $737,280.
- **O&M Costs**: The probable annual operations, monitoring and maintenance cost for this alternative is $85,000.
- **Present Worth Cost**: Over a five year monitoring period, the probable net present worth for this alternative is approximately $1,124,000. This was calculated using a 5% annual discount rate.

9.1.5 Alternative 5: Excavation + Enhanced Bioremediation

9.1.5.1 Description

Alternative 5 would include all of the elements of the Institutional Controls and Excavation alternatives, which are depicted on Figure 15, plus the following items:

- A pilot test, including installation of injection wells, to determine amendment radius of influence and treatability;
- Injection of amendments and cultured microbial population of *Dehalococcoides* for both primary source area treatment and within the off-site plume through injection wells; and
- Pre- and Post-injection groundwater monitoring.

9.1.5.2 Overall Protection of Human Health and the Environment

Alternative 5 would be more protective of human health and the environment than the No Further Action alternative because source material would be removed and the subsequent use of amendments and an augmented microbial population would result in the treatment of contaminants in the subsurface, thereby reducing the potential for exposure pathways.

9.1.5.3 Compliance with SCGs

Alternative 5 would meet the SCGs in a relatively short period by removing source area material and treating residual groundwater contaminants in the subsurface.

9.1.5.4 Long-Term Effectiveness and Permanence

The use of amendments and bioaugmentation would treat the contaminants in the subsurface and would, therefore, be effective over the long-term.

9.1.5.5 Reduction of Toxicity, Mobility, and Volume with Treatment

Alternative 5 would reduce the toxicity of the CVOCs by facilitating reductive dechlorination to produce non-toxic end products. Excavation of source material would reduce the mobility of the contaminants, and collectively this alternative would be expected to greatly reduce the contaminant mass in the groundwater.

9.1.5.6 Short-Term Effectiveness

Community Protection

Alternative 5 would be protective of the community during the short-term since the excavation plus use of electron donors and bioaugmentation would result in the treatment of the contaminants in the subsurface.

Worker Protection

Utility workers would be protected under Alternative 5 since the use of enhanced bioremediation would result in the treatment of the remaining contaminants in the subsurface.

Environmental Impacts

Implementation of this alternative would benefit the environment through the treatment of the remaining contaminants in the subsurface.

Time Required to Implement

The time required to implement this alternative is approximately three years.

9.1.5.7 Implementability

Performing injections and routine groundwater sampling and monitoring activities are actions that can be readily implemented at the site.

9.1.5.8 Cost

The capital, O&M and Present worth costs for Alternative 5 are presented in Table 10. A ten year monitoring period was chosen for this alternative to verify steady state conditions.

- **Capital Costs**: The probable capital cost to construct and implement this alternative is $1,318,388.
- **O&M Costs**: The probable annual operations, monitoring and maintenance cost for this alternative is $35,000.
- **Present Worth Cost**: Over a ten year monitoring period, the probable net present worth for this alternative is approximately $1,602,000. This was calculated using a 5% annual discount rate.

9.1.6 Alternative 6: ISCO using Sodium Permanganate

9.1.6.1 Description

Alternative 6 would include all of the elements of the Institutional Controls and Excavation alternatives, which are depicted on Figure 15, plus the following items:

- A pilot test, including installation of injection wells, to determine chemical oxidant radius of influence and treatability;
- Injection of sodium permanganate within the off-site plume through injection wells; and
- Pre- and Post-injection groundwater monitoring.

9.1.6.2 Overall Protection of Human Health and the Environment

Alternative 6 would likely be more protective of human health and the environment than the No Further Action alternative because source material would be removed and the subsequent use of ISCO would result in the treatment of contaminants in the subsurface, thereby reducing the potential for exposure pathways.

9.1.6.3 Compliance with SCGs

Alternative 6 would meet the SCGs in a relatively short period by removing source area material and treating residual groundwater contaminants in the subsurface.

9.1.6.4 Long-Term Effectiveness and Permanence

The use of ISCO would treat the contaminants in the subsurface and would, therefore, be effective over the long-term.

9.1.6.5 Reduction of Toxicity, Mobility, and Volume with Treatment

Alternative 6 would reduce the toxicity of the CVOCs by oxidizing them to non-toxic end products. Excavation of source material would reduce the mobility of the contaminants, and collectively this alternative would be expected to greatly reduce the contaminant mass in the groundwater. Alternative 6 is considered to be the alternative most capable of returning the site to pre-release conditions.

9.1.6.6 Short-Term Effectiveness

Community Protection

Alternative 6 would be protective of the community during the short-term since excavation plus the use of ISCO would result in the immediate treatment of contaminants in the subsurface. Temporary barriers would be installed during treatment activities to prevent accidental community exposure to the chemical oxidants during the injection process.

Worker Protection

Utility workers would be protected under Alternative 6 since the use of ISCO would result in the treatment of contaminants in the subsurface.

Environmental Impacts

Implementation of this alternative would benefit the environment through the treatment of contaminants in the subsurface.

Time Required to Implement

The time required to implement this alternative is approximately three years.

9.1.6.7 Implementability

Performing chemical injections and routine groundwater sampling and monitoring activities are actions that can be readily implemented at the site.

9.1.6.8 Cost

The capital, O&M and Present worth costs for Alternative 6 are presented in Table 11. A five year monitoring period was chosen for this alternative to verify steady state conditions.

- **Capital Costs**: The probable capital cost to construct and implement this alternative is $1,719,241.
- **O&M Costs**: The probable annual operations, monitoring and maintenance cost for this alternative is $35,000.
- **Present Worth Cost**: Over a five year monitoring period, the probable net present worth for this alternative is approximately $1,878,000. This was calculated using a 5% annual discount rate.

9.2 Comparative Analysis

9.2.1 Overview

The RAOs for the site are concerned with the prevention of contact with contaminated soil, groundwater, and soil vapor and the remediation of the affected media to pre-release conditions or the Residential Use SCOs and NYSDEC Class GA Standards for soil and groundwater, respectively, to the extent practicable. The alternatives presented for the site provide varying levels of remedial actions.

Alternative 1, the No Further Action alternative, defines the minimum steps to be taken for remediation of the site. This alternative alone, will not likely meet the RAOs over the long-term. Alternative 2, the Institutional Controls plus Long-Term Monitoring alternative, is similar to the No Further Action alternative, but would include deed restrictions, activity/use limitations for groundwater, and groundwater monitoring to document plume distribution over time. All the remaining alternatives include the components of the No Further Action and Institutional Controls plus Long-Term Monitoring alternatives. Alternative 3, Excavation, would likely meet RAOs over the short-term for most of the site itself, but would not address the on- and off-site groundwater contamination. On-site and off-site groundwater would be addressed by monitored natural attenuation. Alterative 3 would also not address potential off-site vapor intrusion, and therefore, would not meet the RAOs for off-site receptors. Alternative 4, AS/SVE, would likely meet the RAOs over

the short-term. Alternative 5, Excavation plus Enhanced Bioremediation would likely meet the RAOs over the short-term. Alternative 6, Excavation plus ISCO, would likely meet the RAOs over the short-term. Alternative 6, ISCO is considered to be the alternative most capable of returning the site to pre-release conditions.

9.2.2 Overall Protection of Public Health

Alternative 1 would not be protective of human health and the environment as the potential for groundwater ingestion and soil vapor intrusion exists. Additional routes of exposure include construction and utility workers. However, this exposure can be controlled through the implementation of health and safety protocols for work in the area.

Alternative 2 provides more protection than Alternative 1 in that property and groundwater use would be restricted and the exposure pathways would be monitored over time.

Alternative 3 provides more protection than Alternative 2 in that direct contact with on-site source material would be eliminated through excavation and waste removal and on-going sources to groundwater contamination would be removed.

Alternative 4 would be protective of human health as AS/SVE would provide both treatment of contaminants in the subsurface, and removal of contaminated vapor, thereby reducing the potential for off-site soil vapor intrusion and construction/utility worker exposure pathways. Residual off-site groundwater contamination would be addressed over time by monitored natural attenuation.

Alternatives 5 and 6 would be most protective of human health as each alternative would provide source area removal plus treatment of contaminants in the subsurface, thereby reducing the potential for soil vapor intrusion and construction/utility worker exposure pathways.

9.2.3 Compliance with SCGs

Alternatives 1 and 2 would not meet the SCGs. Alternative 3 may meet the SCGs with time. Alternatives 4, 5, and 6 are capable of meeting SCGs in less time.

9.2.4 Long-Term Effectiveness and Permanence

Alternatives 1 and 2 would not be effective in the long-term. Alternatives 3, 4, 5, and 6 would be effective in the long-term.

9.2.5 Reduction of Toxicity, Mobility, and Volume with Treatment

Alternatives 1 and 2 would not reduce the toxicity, mobility, or volume of the contaminants. Alternative 3 would reduce the mobility and volume of the contaminants, but would not reduce their toxicity. Alternative 4 would have the greatest effect in reducing the mobility of contaminants, but would not reduce their toxicity. Alternatives 5 and 6 would reduce the contaminant mass and have some effect on the mobility of contaminants, but have varying effects in the reduction of toxicity. The ranking of each of the alternatives, in order of reduction of toxicity (from greatest to least) is shown below.

1. Alternative 6 – Excavation plus ISCO.

2. Alternative 5 – Excavation plus Enhanced Bioremediation.

3. Alternative 4 –AS/SVE.

4. Alternatives 1,2, and 3 – No Further Action, Institutional Controls plus Long-Term Monitoring, Excavation.

9.2.6 Short-Term Effectiveness

The ranking of each of the alternatives, in order of short-term effectiveness (from greatest to least) is shown below.

1. Alternative 4 – AS/SVE.

2. Alternative 6 –Excavation plus ISCO.

3. Alternative 5 – Excavation plus Enhanced Bioremediation.

4. Alternative 3 - Excavation.

5. Alternatives 1 and 2 – No Further Action, Institutional Controls plus Long-Term Monitoring.

9.2.7 Implementability

Each of the alternatives could be readily implemented using regionally available resources.

9.2.8 Cost

A comparison of the costs for each alternative is provided in Table 12. The ranking of each of the alternatives, in order of the cost (from lowest to highest) required to meet the RAOs is shown below.

1. Alternative 1 – No Further Action
2. Alternative 2 – Institutional Controls plus Long-Term Monitoring
3. Alternative 4 – AS/SVE
4. Alternative 3 – Excavation
5. Alternative 5 – Excavation plus Enhanced Bioremediation
6. Alternative 6 – Excavation plus ISCO

10. References

Anson Environmental, Ltd., 2004, Soil and Groundwater Investigation Work Plan, Former Majestic Garment Cleaners, Brooklyn, New York.

Malcolm Pirnie, Inc., 2010, Executive Summary – Former Majestic Garment Cleaners Site, Brooklyn, New York.

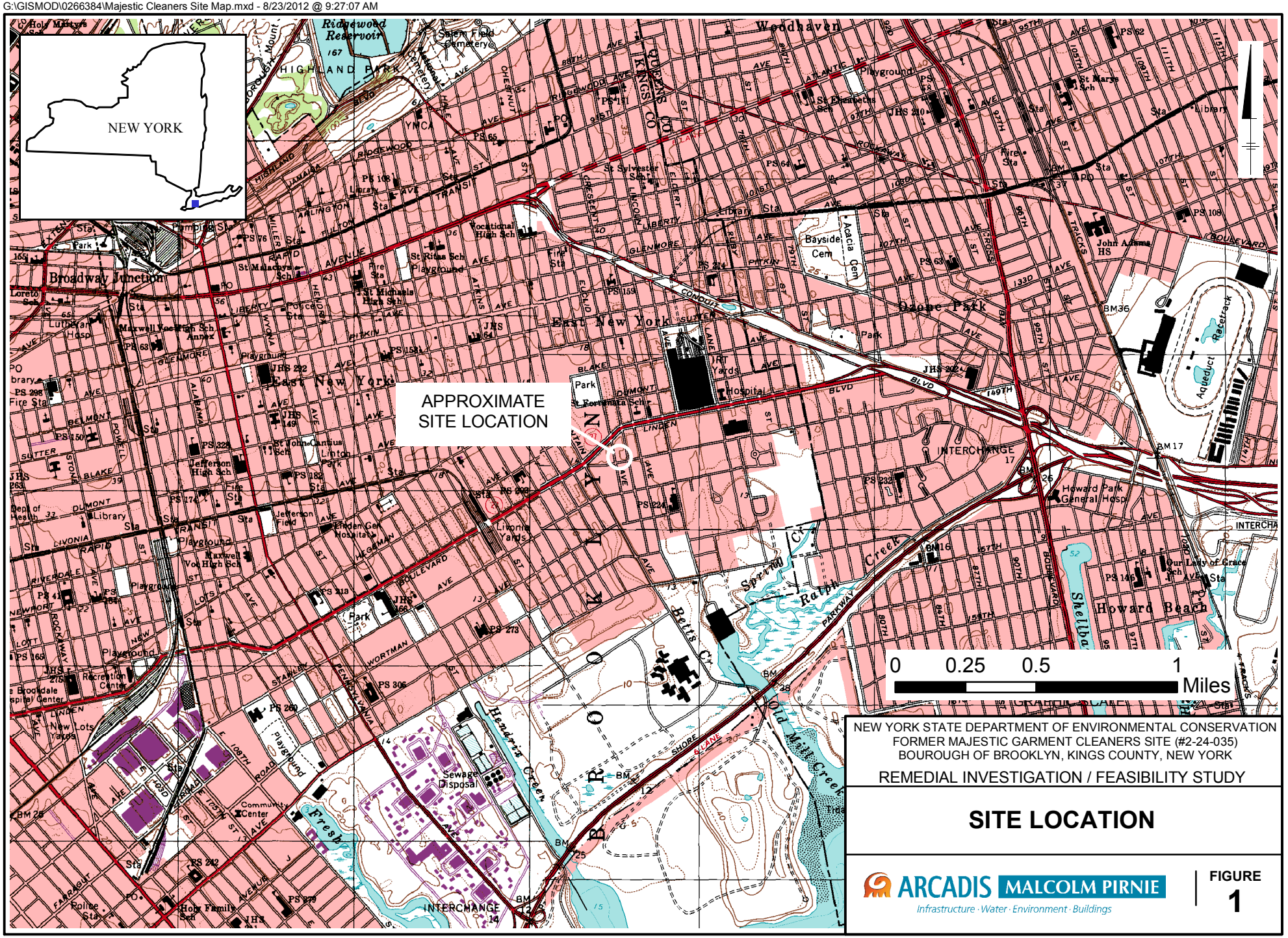
New York State Department of Environmental Conservation, 2010, DER-10 Technical Guidance for Site Investigation and Remediation.

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ARCADIS

Figures

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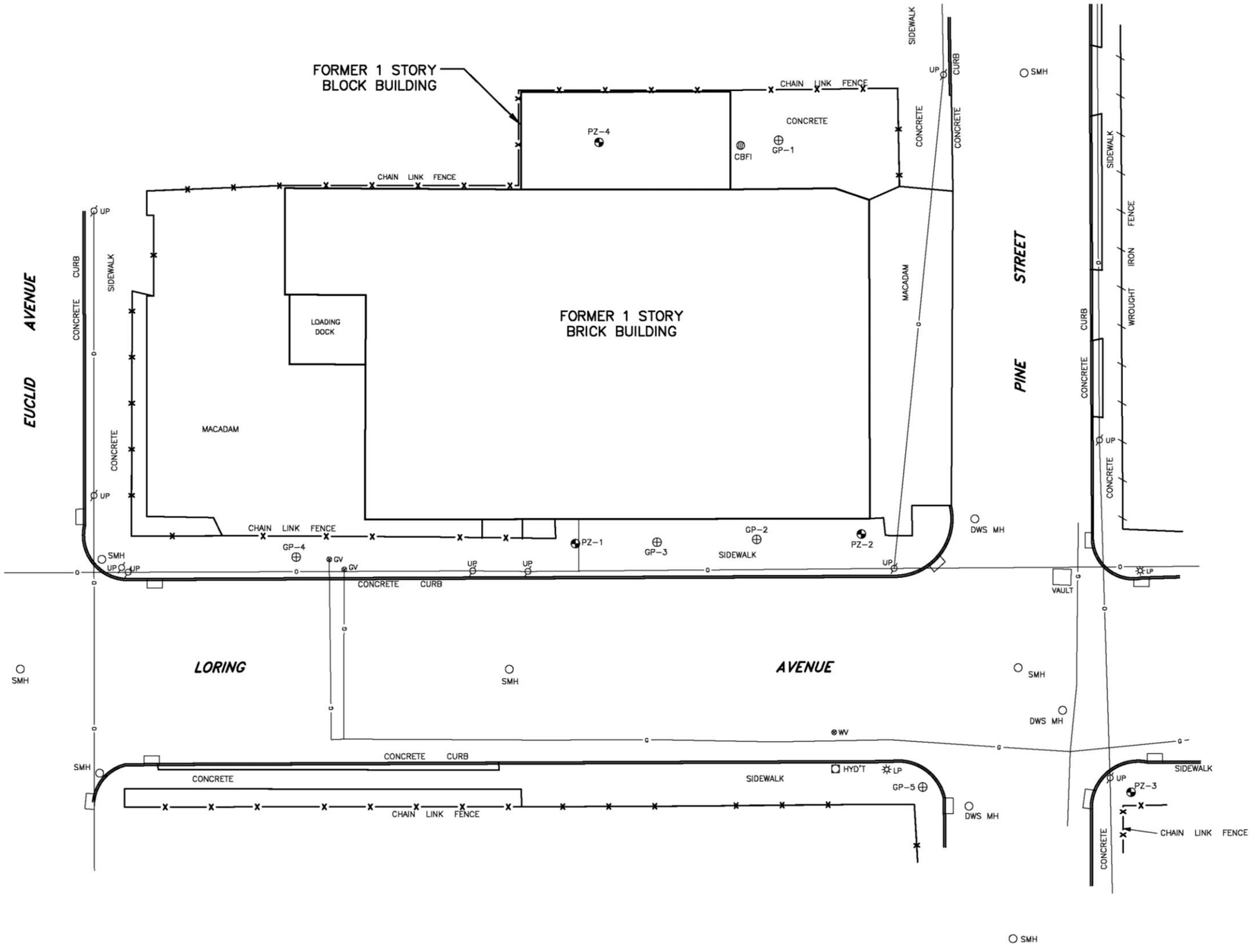
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORMER MAJESTIC GARMENT CLEANERS SITE (#2-24-035)
BOUROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK

REMEDIAL INVESTIGATION / FEASIBILITY STUDY

SITE LOCATION

ARCADIS MALCOLM PIRNIE
Infrastructure · Water · Environment · Buildings

FIGURE 1



LEGEND

- PZ-# PIEZOMETER WELL
- GP-# GEOPROBE POINT
- —x— CHAIN LINK FENCE
- —/— WROUGHT IRON FENCE
- UP UTILITY POLE
- —o— OVERHEAD WIRE
- DWS MH DRAINAGE MANHOLE
- CB CATCH BASIN
- CBFI CATCH BASIN FIELD INLET
- LP LIGHT POLE
- —E— UNDERGROUND ELECTRIC LINE AS MARKED
- —G— UNDERGROUND GAS LINE AS MARKED
- GV GAS VALVE
- WV WATER VALVE
- HYD'T HYDRANT
- SMH SEWER MANHOLE

NOTES

1. DATE OF FIELD SURVEY: NOVEMBER 30, 2001 AND UPDATE ON JANUARY 25, 2002 (SAMPLE POINT GP-4 ONLY)
2. HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM, NAD 83
3. VERTICAL DATUM: NGVD 88
4. HORIZONTAL AND VERTICAL DATUMS FROM GPS OBSERVATIONS

15 0 15 30

SCALE: 1" = 30'

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORMER MAJESTIC GARMENT CLEANERS SITE (# 2-24-035)
BOUROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK

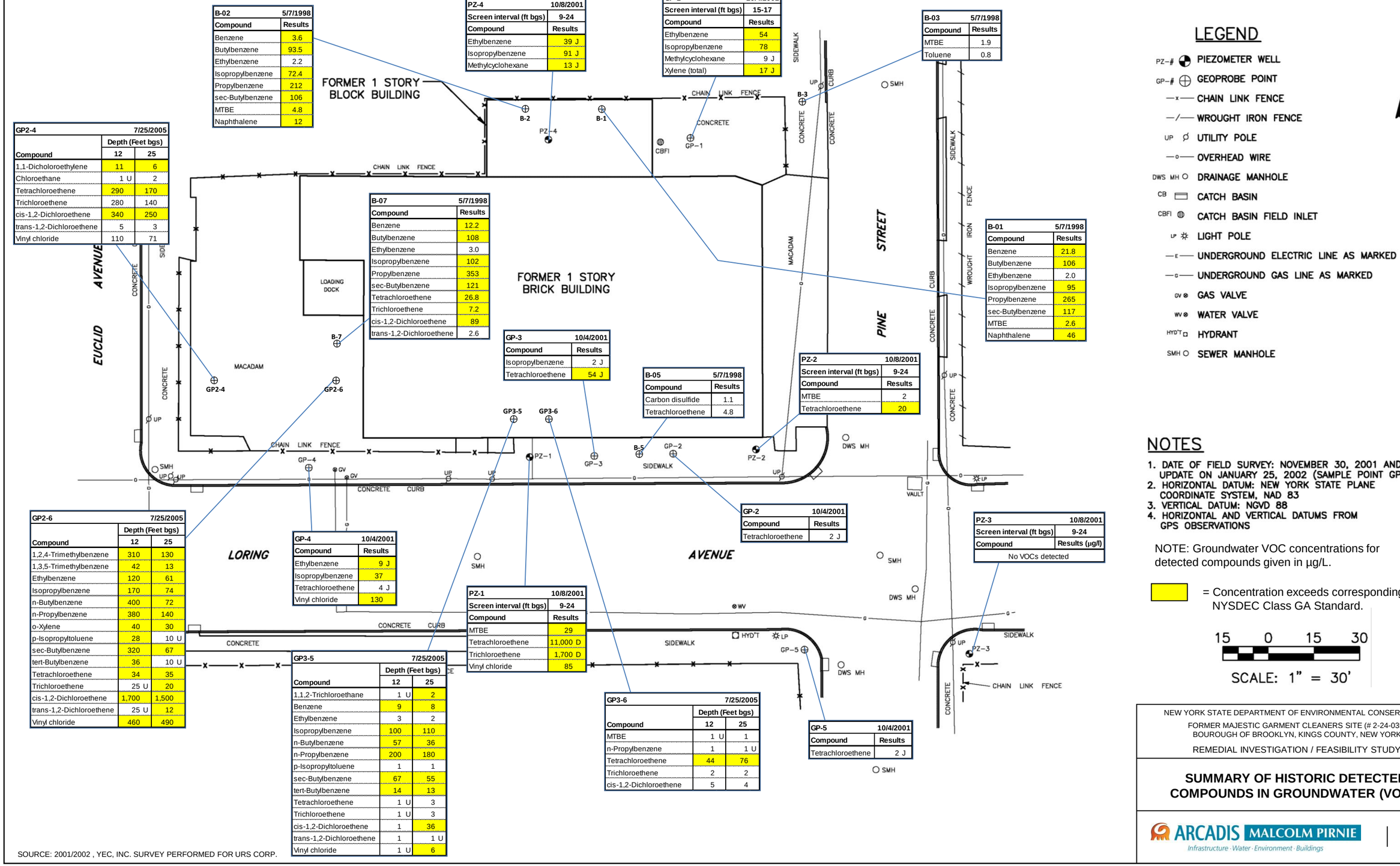
REMEDIAL INVESTIGATION / FEASIBILITY STUDY

SITE MAP

ARCADIS MALCOLM PIRNIE
Infrastructure · Water · Environment · Buildings

Figure **2**

SOURCE: 2001/2002 , YEC, INC. SURVEY PERFORMED FOR URS CORP.



B-02	5/7/1998
Compound	Results
Benzene	3.6
Butylbenzene	93.5
Ethylbenzene	2.2
Isopropylbenzene	72.4
Propylbenzene	212
sec-Butylbenzene	106
MTBE	4.8
Naphthalene	12

PZ-4	10/8/2001
Screen interval (ft bgs)	9-24
Compound	Results
Ethylbenzene	39 J
Isopropylbenzene	91 J
Methylcyclohexane	13 J

GP-1	10/4/2001
Screen interval (ft bgs)	15-17
Compound	Results
Ethylbenzene	54
Isopropylbenzene	78
Methylcyclohexane	9 J
Xylene (total)	17 J

B-03	5/7/1998
Compound	Results
MTBE	1.9
Toluene	0.8

GP2-4	7/25/2005	
	Depth (Feet bgs)	
Compound	12	25
1,1-Dicholoroethylene	11	6
Chloroethane	1 U	2
Tetrachloroethene	290	170
Trichloroethene	280	140
cis-1,2-Dichloroethene	340	250
trans-1,2-Dichloroethene	5	3
Vinyl chloride	110	71

B-07	5/7/1998
Compound	Results
Benzene	12.2
Butylbenzene	108
Ethylbenzene	3.0
Isopropylbenzene	102
Propylbenzene	353
sec-Butylbenzene	121
Tetrachloroethene	26.8
Trichloroethene	7.2
cis-1,2-Dichloroethene	89
trans-1,2-Dichloroethene	2.6

B-01	5/7/1998
Compound	Results
Benzene	21.8
Butylbenzene	106
Ethylbenzene	2.0
Isopropylbenzene	95
Propylbenzene	265
sec-Butylbenzene	117
MTBE	2.6
Naphthalene	46

GP-3	10/4/2001
Compound	Results
Isopropylbenzene	2 J
Tetrachloroethene	54 J

B-05	5/7/1998
Compound	Results
Carbon disulfide	1.1
Tetrachloroethene	4.8

PZ-2	10/8/2001
Screen interval (ft bgs)	9-24
Compound	Results
MTBE	2
Tetrachloroethene	20

GP-2	10/4/2001
Compound	Results
Tetrachloroethene	2 J

PZ-3	10/8/2001
Screen interval (ft bgs)	9-24
Compound	Results (µg/l)
No VOCs detected	

GP-4	10/4/2001
Compound	Results
Ethylbenzene	9 J
Isopropylbenzene	37
Tetrachloroethene	4 J
Vinyl chloride	130

PZ-1	10/8/2001
Screen interval (ft bgs)	9-24
Compound	Results
MTBE	29
Tetrachloroethene	11,000 D
Trichloroethene	1,700 D
Vinyl chloride	85

GP2-6	7/25/2005	
	Depth (Feet bgs)	
Compound	12	25
1,2,4-Trimethylbenzene	310	130
1,3,5-Trimethylbenzene	42	13
Ethylbenzene	120	61
Isopropylbenzene	170	74
n-Butylbenzene	400	72
n-Propylbenzene	380	140
o-Xylene	40	30
p-Isopropyltoluene	28	10 U
sec-Butylbenzene	320	67
tert-Butylbenzene	36	10 U
Tetrachloroethene	34	35
Trichloroethene	25 U	20
cis-1,2-Dichloroethene	1,700	1,500
trans-1,2-Dichloroethene	25 U	12
Vinyl chloride	460	490

GP3-5	7/25/2005	
	Depth (Feet bgs)	
Compound	12	25
1,1,2-Trichloroethane	1 U	2
Benzene	9	8
Ethylbenzene	3	2
Isopropylbenzene	100	110
n-Butylbenzene	57	36
n-Propylbenzene	200	180
p-Isopropyltoluene	1	1
sec-Butylbenzene	67	55
tert-Butylbenzene	14	13
Tetrachloroethene	1 U	3
Trichloroethene	1 U	3
cis-1,2-Dichloroethene	1	36
trans-1,2-Dichloroethene	1	1 U
Vinyl chloride	1 U	6

GP3-6	7/25/2005	
	Depth (Feet bgs)	
Compound	12	25
MTBE	1 U	1
n-Propylbenzene	1	1 U
Tetrachloroethene	44	76
Trichloroethene	2	2
cis-1,2-Dichloroethene	5	4

GP-5	10/4/2001
Compound	Results
Tetrachloroethene	2 J

LEGEND

- PZ-# PIEZOMETER WELL
- GP-# GEOPROBE POINT
- CHAIN LINK FENCE
- WROUGHT IRON FENCE
- UP UTILITY POLE
- OVERHEAD WIRE
- DWS MH DRAINAGE MANHOLE
- CB CATCH BASIN
- CBFI CATCH BASIN FIELD INLET
- LP LIGHT POLE
- UNDERGROUND ELECTRIC LINE AS MARKED
- UNDERGROUND GAS LINE AS MARKED
- GV GAS VALVE
- WV WATER VALVE
- HYD'T HYDRANT
- SMH SEWER MANHOLE

NOTES

1. DATE OF FIELD SURVEY: NOVEMBER 30, 2001 AND UPDATE ON JANUARY 25, 2002 (SAMPLE POINT GP-4 ONLY)
2. HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM, NAD 83
3. VERTICAL DATUM: NGVD 88
4. HORIZONTAL AND VERTICAL DATUMS FROM GPS OBSERVATIONS

NOTE: Groundwater VOC concentrations for detected compounds given in µg/L.

= Concentration exceeds corresponding NYSDEC Class GA Standard.

15 0 15 30

SCALE: 1" = 30'

SOURCE: 2001/2002 , YEC, INC. SURVEY PERFORMED FOR URS CORP.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORMER MAJESTIC GARMENT CLEANERS SITE (# 2-24-035)
BOUROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK

REMEDIAL INVESTIGATION / FEASIBILITY STUDY

SUMMARY OF HISTORIC DETECTED COMPOUNDS IN GROUNDWATER (VOCs)

ARCADIS MALCOLM PIRNIE
Infrastructure · Water · Environment · Buildings

Figure
3

GP2-1	7/25/2005
Depth (Feet bgs)	5-10
Compound	Results
1,2,4-Trimethylbenzene	120
1,3,5-Trimethylbenzene	87
Isopropylbenzene	41
Naphthalene	21
n-Butylbenzene	120
n-Propylbenzene	18
p-Isopropyltoluene	30
sec-Butylbenzene	260
tert-Butylbenzene	23
Tetrachloroethene	120
Trichloroethene	17
cis-1,2-Dichloroethene	53

GP2-2	7/25/2005
Depth (Feet bgs)	5-10
Compound	Results
1,2,4-Trimethylbenzene	530
Ethylbenzene	79
Isopropylbenzene	170
Naphthalene	57
n-Butylbenzene	300
n-Propylbenzene	400
p-Isopropyltoluene	86
sec-Butylbenzene	270
Tetrachloroethene	1,200
Trichloroethene	72
cis-1,2-Dichloroethene	170

GP2-3	7/25/2005
Depth (Feet bgs)	4-5
Compound	Results
Tetrachloroethene	170,000
Trichloroethene	1,200
cis-1,2-Dichloroethene	1,000

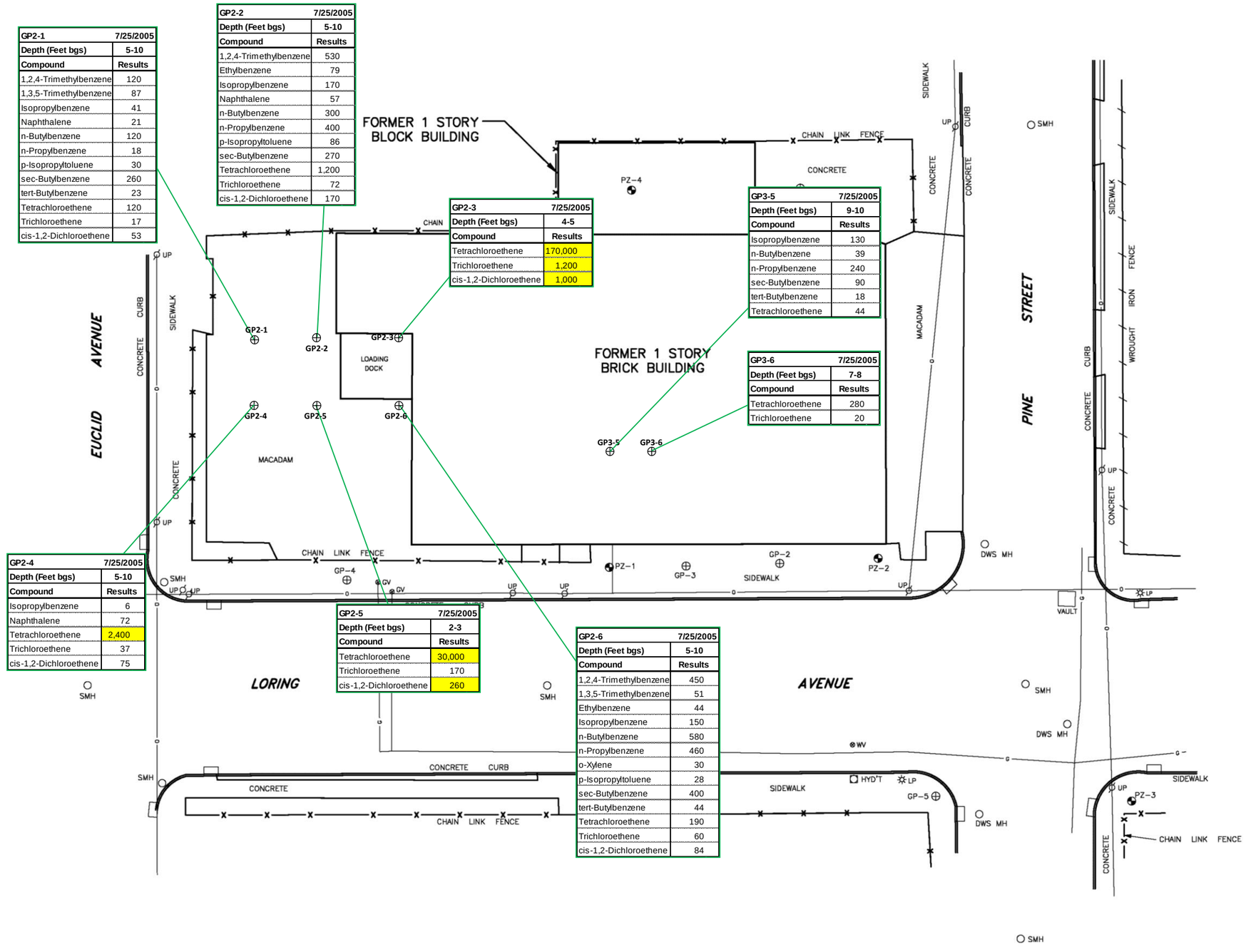
GP3-5	7/25/2005
Depth (Feet bgs)	9-10
Compound	Results
Isopropylbenzene	130
n-Butylbenzene	39
n-Propylbenzene	240
sec-Butylbenzene	90
tert-Butylbenzene	18
Tetrachloroethene	44

GP3-6	7/25/2005
Depth (Feet bgs)	7-8
Compound	Results
Tetrachloroethene	280
Trichloroethene	20

GP2-4	7/25/2005
Depth (Feet bgs)	5-10
Compound	Results
Isopropylbenzene	6
Naphthalene	72
Tetrachloroethene	2,400
Trichloroethene	37
cis-1,2-Dichloroethene	75

GP2-5	7/25/2005
Depth (Feet bgs)	2-3
Compound	Results
Tetrachloroethene	30,000
Trichloroethene	170
cis-1,2-Dichloroethene	260

GP2-6	7/25/2005
Depth (Feet bgs)	5-10
Compound	Results
1,2,4-Trimethylbenzene	450
1,3,5-Trimethylbenzene	51
Ethylbenzene	44
Isopropylbenzene	150
n-Butylbenzene	580
n-Propylbenzene	460
o-Xylene	30
p-Isopropyltoluene	28
sec-Butylbenzene	400
tert-Butylbenzene	44
Tetrachloroethene	190
Trichloroethene	60
cis-1,2-Dichloroethene	84



LEGEND

- PZ-# PIEZOMETER WELL
- GP-# GEOPROBE POINT
- CHAIN LINK FENCE
- WROUGHT IRON FENCE
- UP UTILITY POLE
- OVERHEAD WIRE
- DWS MH DRAINAGE MANHOLE
- CB CATCH BASIN
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- UNDERGROUND ELECTRIC LINE AS MARKED
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- GV GAS VALVE
- WV WATER VALVE
- HYD'T HYDRANT
- SMH SEWER MANHOLE

NOTES

1. DATE OF FIELD SURVEY: NOVEMBER 30, 2001 AND UPDATE ON JANUARY 25, 2002 (SAMPLE POINT GP-4 ONLY)
2. HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM, NAD 83
3. VERTICAL DATUM: NGVD 88
4. HORIZONTAL AND VERTICAL DATUMS FROM GPS OBSERVATIONS

NOTE: Soil VOC concentrations for detected compounds given in µg/kg.

= Concentration exceeds corresponding Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs).

15 0 15 30

SCALE: 1" = 30'

SOURCE: 2001/2002 , YEC, INC. SURVEY PERFORMED FOR URS CORP.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

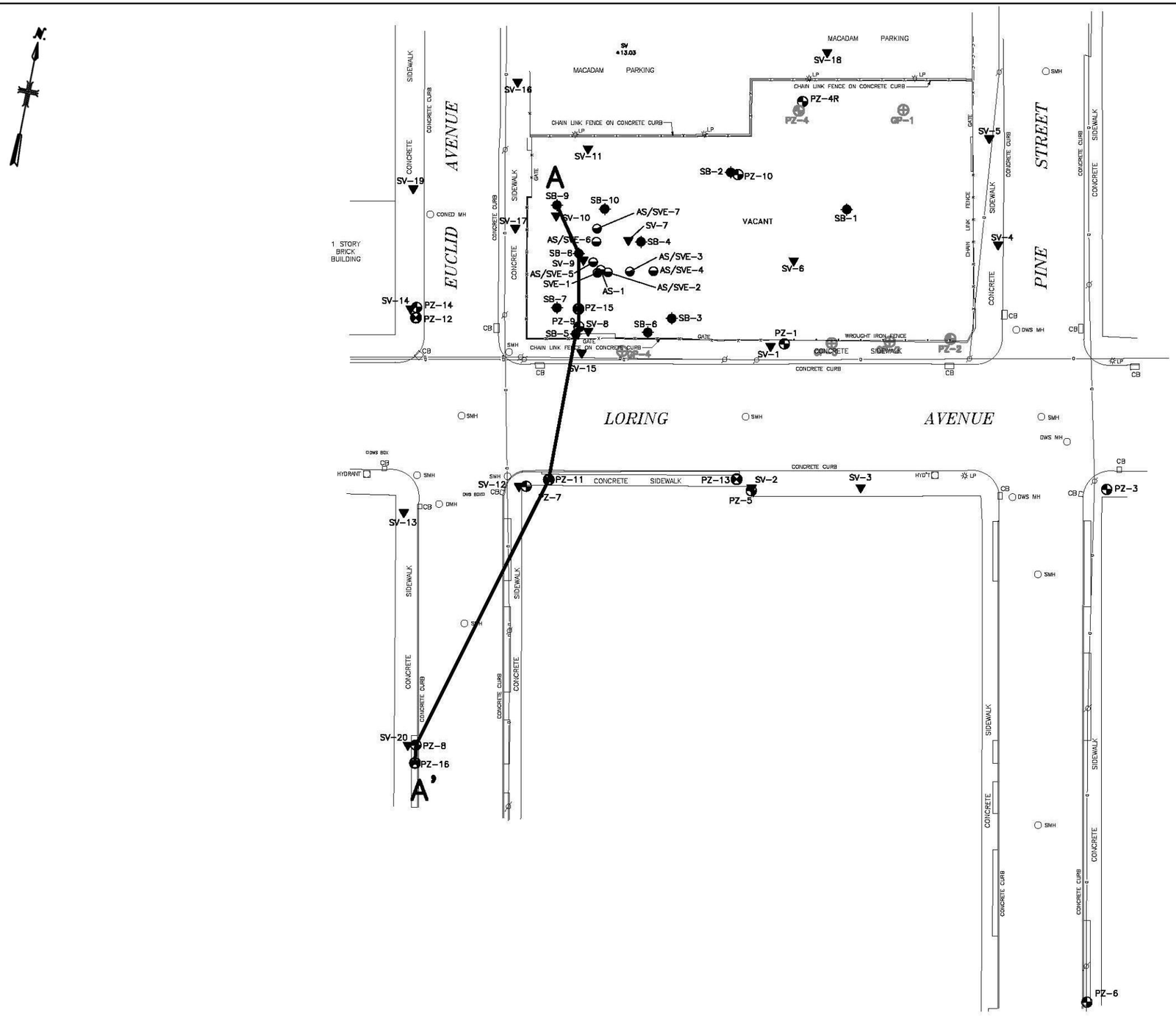
FORMER MAJESTIC GARMENT CLEANERS SITE (# 2-24-035)
BOUROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK

REMEDIAL INVESTIGATION / FEASIBILITY STUDY

SUMMARY OF HISTORIC DETECTED COMPOUNDS IN SOIL (VOCs)

ARCADIS MALCOLM PIRNIE
Infrastructure · Water · Environment · Buildings

Figure
4



LEGEND

- AS/SVE PILOT TEST POINTS
- DEEP PIEZOMETER WELL
- PIEZOMETER WELL
- SOIL BORING
- SOIL VAPOR POINT
- CHAIN LINK FENCE
- WROUGHT IRON FENCE
- METAL FENCE
- UTILITY POLE
- OVERHEAD WIRE
- DRAINAGE MANHOLE
- CON ED MANHOLE
- CATCH BASIN
- LIGHT POLE
- HYDRANT
- SEWER MANHOLE

A ——— A' CROSS SECTION LOCATION

NOTE

HALF-TONED ITEMS HAVE BEEN REMOVED OR DESTROYED.

25 0 25 50

SOURCE: 2001/2002, APRIL 2011, AUGUST 2011, JUNE 2012 SURVEY PERFORMED BY YEC, INC., VALLEY COTTAGE, NY

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORMER MAJESTIC GARMENT CLEANERS SITE (# 2-24-035)
BOUROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK
REMEDIAL INVESTIGATION / FEASIBILITY STUDY

RI SAMPLING LOCATIONS

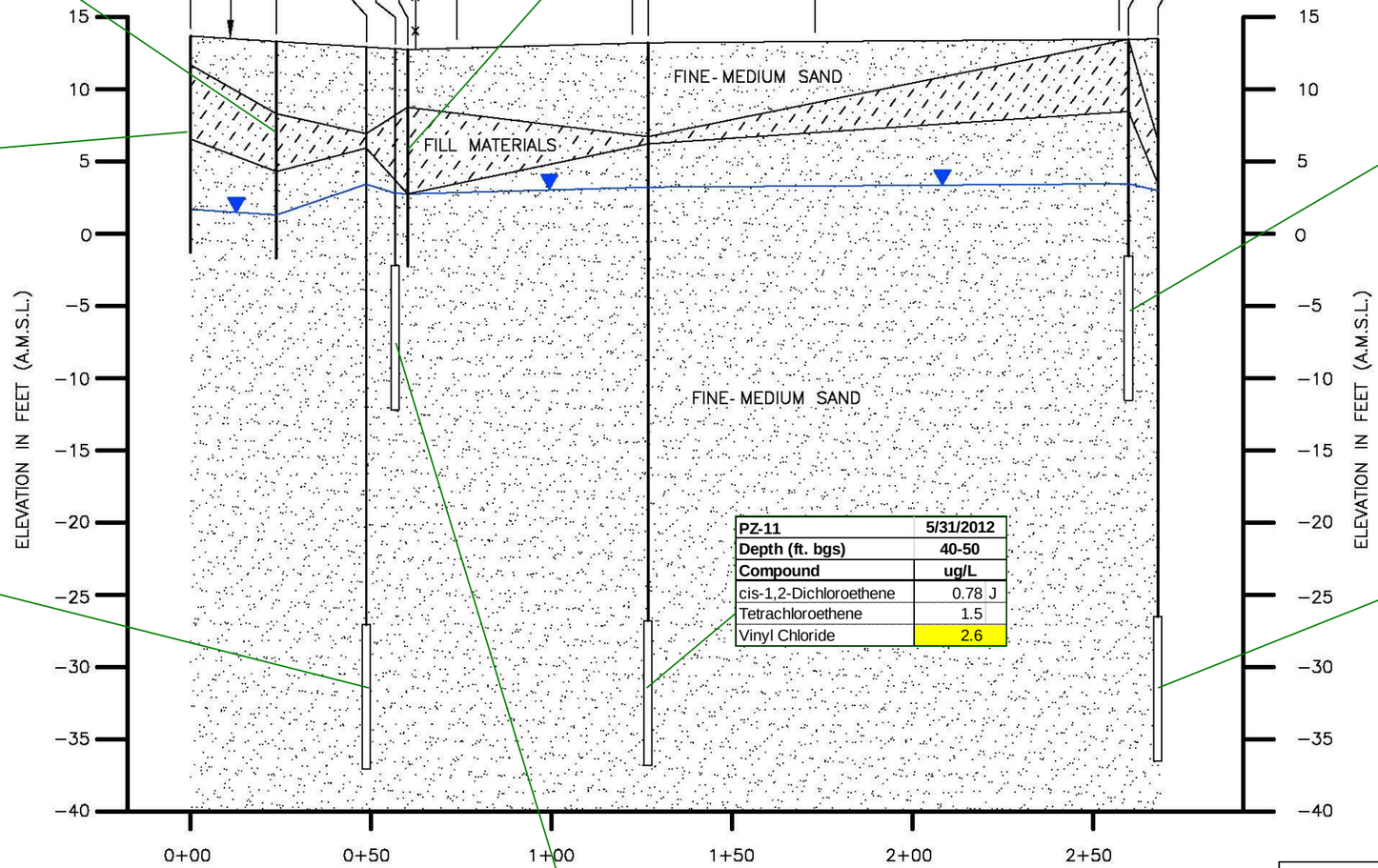
ARCADIS MALCOLM PIRNIE
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Figure
5

SB-8	3/24/2011	
Depth (Feet bgs)	13	25
Compound	ug/L	ug/L
cis-1,2-Dichloroethene	5.3	9
Tetrachloroethene	11	32
Trichloroethene	ND	4
Vinyl chloride	1.6	2.1

SB-5	3/22/2011	
Depth (Feet bgs)	13	25
Compound	ug/L	ug/L
cis-1,2-Dichloroethene	110 D	75
trans-1,2 Dichlorothene	ND	2.8
Tetrachloroethene	670 D	1,300 D
Trichloroethene	28 D	49

SB-9	3/24/2011	
Depth (Feet bgs)	13	25
Compound	ug/L	ug/L
cis-1,2-Dichloroethene	8.1	0.58 J
Tetrachloroethene	25	ND
Trichloroethene	6.4	ND
Vinyl chloride	2	ND



PZ-8	8/11/2011
Depth (ft. bgs)	15-25
Compound	ug/L
CVOCs	ND

PZ-15	6/1/2012
Depth (ft. bgs)	40-50
Compound	ug/L
cis-1,2-Dichloroethene	12
Tetrachloroethene	98
Trichloroethene	3.5
Vinyl Chloride	1.7

PZ-11	5/31/2012
Depth (ft. bgs)	40-50
Compound	ug/L
cis-1,2-Dichloroethene	0.78 J
Tetrachloroethene	1.5
Vinyl Chloride	2.6

PZ-16	6/1/2012
Depth (ft. bgs)	40-50
Compound	ug/L
Tetrachloroethene	0.91 J

PZ-9	8/11/2011
Depth (ft. bgs)	15-25
Compound	ug/L
cis-1,2-Dichloroethene	410 D
Tetrachloroethene	160 D
trans-1,2-Dichloroethene	7.7
Trichloroethene	65 D
Vinyl Chloride	76

5 0 5 10

VERT. SCALE: 1"=10'

20 0 20 40

HORZ. SCALE: 1"=40'

LEGEND

GROUNDWATER ELEVATION

NOTE: Groundwater VOC concentrations for detected compounds given in µg/L.

= Concentration exceeds corresponding NYSDEC Class GA Groundwater Standard.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

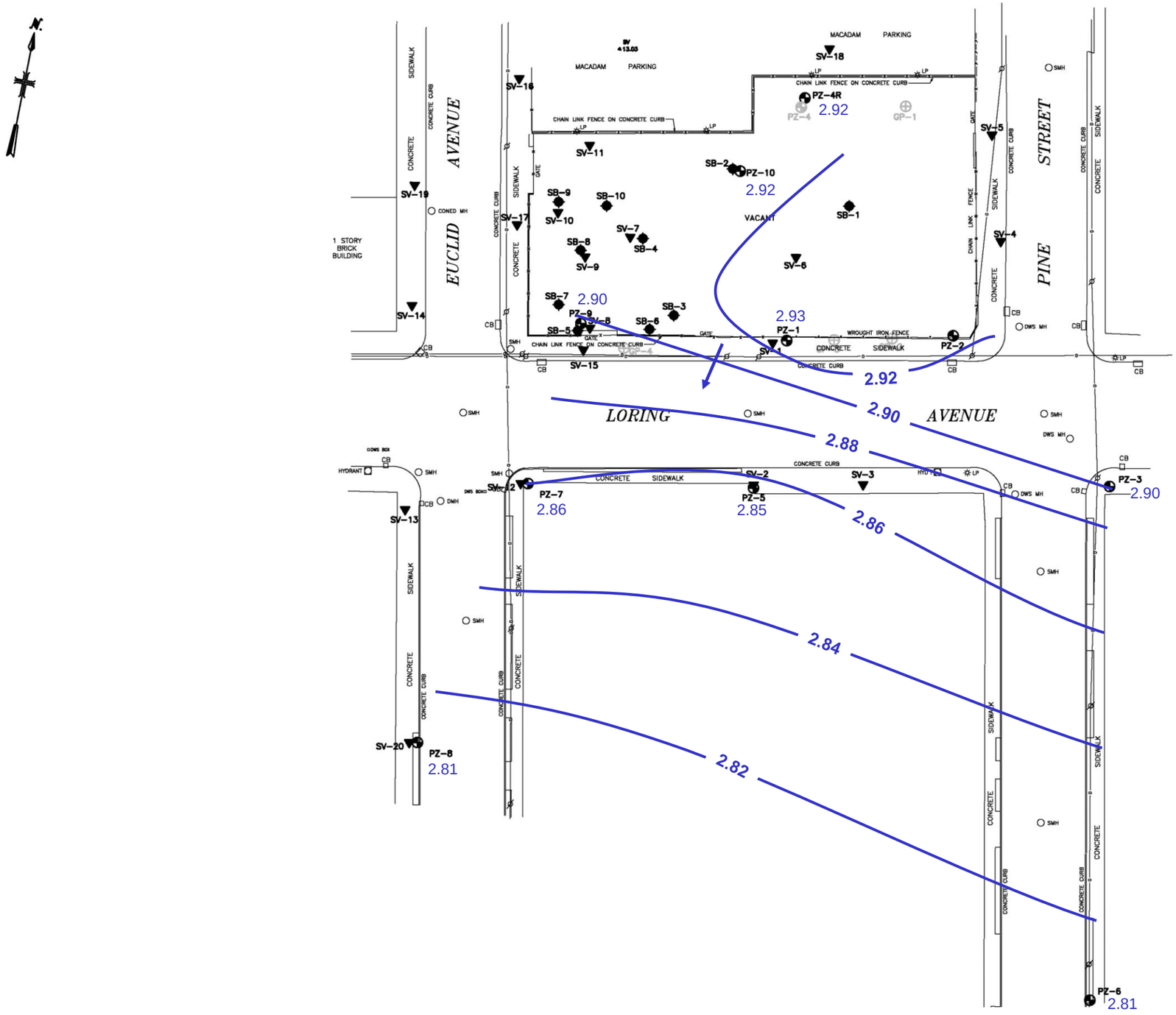
FORMER MAJESTIC GARMENT CLEANERS SITE (# 2-24-035)
BOUROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK

REMEDIAL INVESTIGATION / FEASIBILITY STUDY

GEOLOGIC CROSS SECTION A-A'

ARCADIS MALCOLM PIRNIE
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Figure 6



LEGEND

- PIEZOMETER WELL
- SOIL BORING
- SOIL VAPOR POINT
- CHAIN LINK FENCE
- WROUGHT IRON FENCE
- METAL FENCE
- UTILITY POLE
- OVERHEAD WIRE
- DRAINAGE MANHOLE
- CON ED MANHOLE
- CATCH BASIN
- LIGHT POLE
- HYDRANT
- SEWER MANHOLE

NOTE

HALF-TONED ITEMS HAVE BEEN REMOVED OR DESTROYED.

2.86 Groundwater Elevation (ft. amsl)

Potentiometric Contour

Approximate Groundwater Flow Direction

0 20 40 60 80 Feet

APPROXIMATE SCALE

SOURCE: 2001/2002, APRIL 2011, AUGUST 2011 SURVEY PERFORMED BY YEC, INC., VALLEY COTTAGE, NY

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

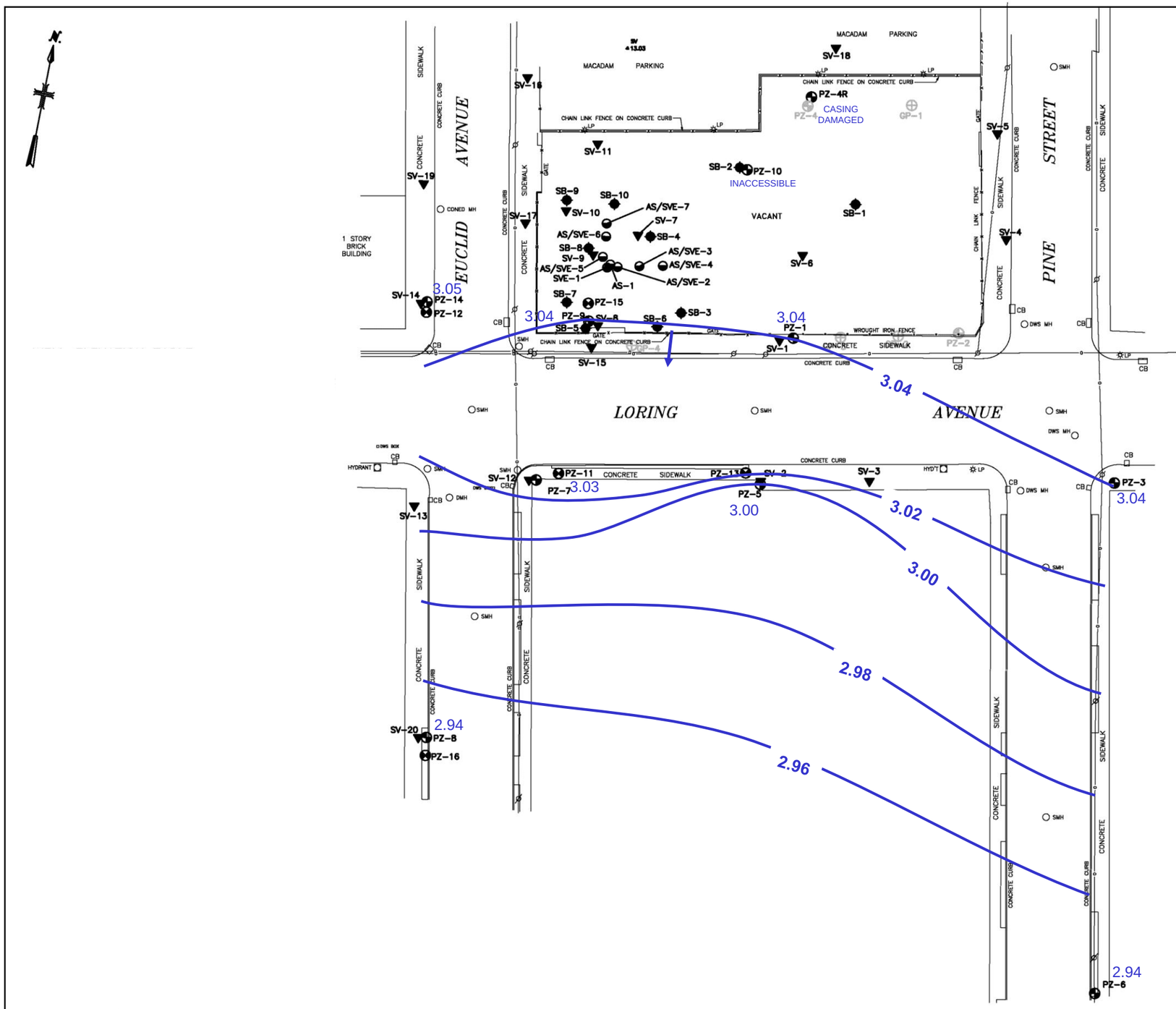
FORMER MAJESTIC GARMENT CLEANERS SITE (# 2-24-035)
BOUROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK

REMEDIAL INVESTIGATION / FEASIBILITY STUDY

POTENTIOMETRIC CONTOUR MAP (AUGUST 11, 2011)

ARCADIS MALCOLM PIRNIE
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Figure **7**



LEGEND

- AS/SVE PILOT TEST POINTS
- DEEP PIEZOMETER WELL
- PIEZOMETER WELL
- SOIL BORING
- SOIL VAPOR POINT
- CHAIN LINK FENCE
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NOTE

HALF-TONED ITEMS HAVE BEEN REMOVED OR DESTROYED.

2.86 Groundwater Elevation (ft. amsl)

Potentiometric Contour

Approximate Groundwater Flow Direction

25 0 25 50

SCALE: 1" = 50'

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORMER MAJESTIC GARMENT CLEANERS SITE (# 2-24-035)
BOUROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK

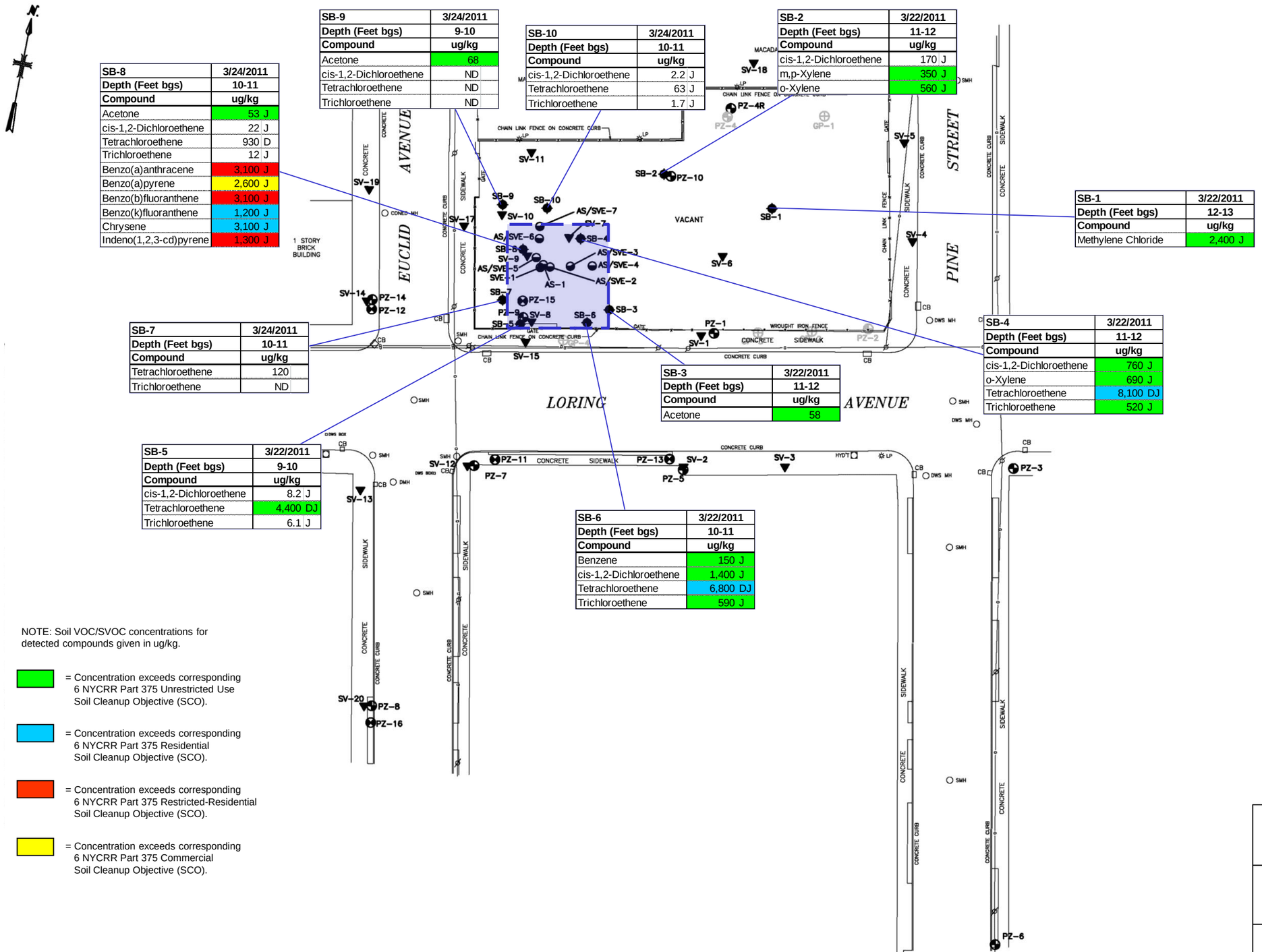
REMEDIAL INVESTIGATION / FEASIBILITY STUDY

POTENTIOMETRIC CONTOUR MAP (JUNE 26, 2012)

ARCADIS MALCOLM PIRNIE
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Figure **8**

SOURCE: 2001/2002, APRIL 2011, AUGUST 2011, JUNE 2012 SURVEY PERFORMED BY YEC, INC., VALLEY COTTAGE, NY



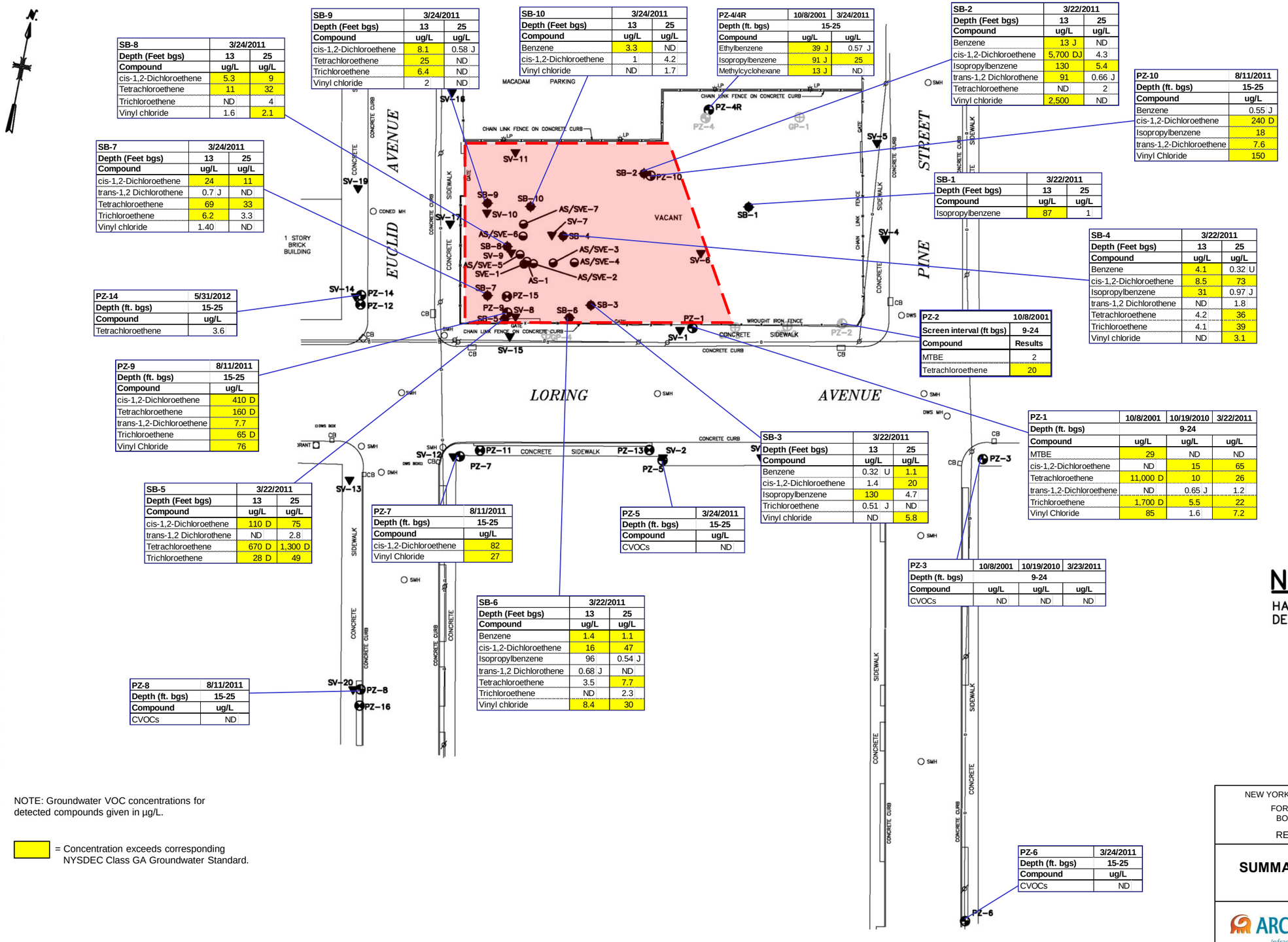
SOURCE: 2001/2002, APRIL 2011, AUGUST 2011, JUNE 2012 SURVEY PERFORMED BY YEC, INC., VALLEY COTTAGE, NY

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORMER MAJESTIC GARMENT CLEANERS SITE (# 2-24-035)
BOUROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK
REMEDIAL INVESTIGATION / FEASIBILITY STUDY

SUMMARY OF SOIL SAMPLING RESULTS

ARCADIS MALCOLM PIRNIE
Infrastructure · Water · Environment · Buildings

Figure
9



SB-8	3/24/2011	
Depth (Feet bgs)	13	25
Compound	ug/L	ug/L
cis-1,2-Dichloroethene	5.3	9
Tetrachloroethene	11	32
Trichloroethene	ND	4
Vinyl chloride	1.6	2.1

SB-9	3/24/2011	
Depth (Feet bgs)	13	25
Compound	ug/L	ug/L
cis-1,2-Dichloroethene	8.1	0.58 J
Tetrachloroethene	25	ND
Trichloroethene	6.4	ND
Vinyl chloride	2	ND

SB-10	3/24/2011	
Depth (Feet bgs)	13	25
Compound	ug/L	ug/L
Benzene	3.3	ND
cis-1,2-Dichloroethene	1	4.2
Vinyl chloride	ND	1.7

PZ-4/4R	10/8/2001	3/24/2011
Depth (ft. bgs)	15-25	
Compound	ug/L	ug/L
Ethylbenzene	39 J	0.57 J
Isopropylbenzene	91 J	25
Methylcyclohexane	13 J	ND

SB-2	3/22/2011	
Depth (Feet bgs)	13	25
Compound	ug/L	ug/L
Benzene	13 J	ND
cis-1,2-Dichloroethene	5,700 DJ	4.3
Isopropylbenzene	130	5.4
trans-1,2 Dichlorothene	91	0.66 J
Tetrachloroethene	ND	2
Vinyl chloride	2,500	ND

PZ-10	8/11/2011
Depth (ft. bgs)	15-25
Compound	ug/L
Benzene	0.55 J
cis-1,2-Dichloroethene	240 D
Isopropylbenzene	18
trans-1,2-Dichloroethene	7.6
Vinyl Chloride	150

SB-7	3/24/2011	
Depth (Feet bgs)	13	25
Compound	ug/L	ug/L
cis-1,2-Dichloroethene	24	11
trans-1,2 Dichlorothene	0.7 J	ND
Tetrachloroethene	69	33
Trichloroethene	6.2	3.3
Vinyl chloride	1.40	ND

SB-1	3/22/2011	
Depth (Feet bgs)	13	25
Compound	ug/L	ug/L
Isopropylbenzene	87	1

SB-4	3/22/2011	
Depth (Feet bgs)	13	25
Compound	ug/L	ug/L
Benzene	4.1	0.32 U
cis-1,2-Dichloroethene	8.5	73
Isopropylbenzene	31	0.97 J
trans-1,2 Dichlorothene	ND	1.8
Tetrachloroethene	4.2	36
Trichloroethene	4.1	39
Vinyl chloride	ND	3.1

PZ-14	5/31/2012
Depth (ft. bgs)	15-25
Compound	ug/L
Tetrachloroethene	3.6

PZ-2	10/8/2001
Screen interval (ft bgs)	9-24
Compound	Results
MTBE	2
Tetrachloroethene	20

PZ-9	8/11/2011
Depth (ft. bgs)	15-25
Compound	ug/L
cis-1,2-Dichloroethene	410 D
Tetrachloroethene	160 D
trans-1,2-Dichloroethene	7.7
Trichloroethene	65 D
Vinyl Chloride	76

SB-3	3/22/2011	
Depth (Feet bgs)	13	25
Compound	ug/L	ug/L
Benzene	0.32 U	1.1
cis-1,2-Dichloroethene	1.4	20
Isopropylbenzene	130	4.7
Trichloroethene	0.51 J	ND
Vinyl chloride	ND	5.8

PZ-1	10/8/2001	10/19/2010	3/22/2011
Depth (ft. bgs)	9-24		
Compound	ug/L	ug/L	ug/L
MTBE	29	ND	ND
cis-1,2-Dichloroethene	ND	15	65
Tetrachloroethene	11,000 D	10	26
trans-1,2-Dichloroethene	ND	0.65 J	1.2
Trichloroethene	1,700 D	5.5	22
Vinyl Chloride	85	1.6	7.2

SB-5	3/22/2011	
Depth (Feet bgs)	13	25
Compound	ug/L	ug/L
cis-1,2-Dichloroethene	110 D	75
trans-1,2 Dichlorothene	ND	2.8
Tetrachloroethene	670 D	1,300 D
Trichloroethene	28 D	49

PZ-7	8/11/2011
Depth (ft. bgs)	15-25
Compound	ug/L
cis-1,2-Dichloroethene	82
Vinyl Chloride	27

PZ-5	3/24/2011
Depth (ft. bgs)	15-25
Compound	ug/L
CVOCs	ND

SB-6	3/22/2011	
Depth (Feet bgs)	13	25
Compound	ug/L	ug/L
Benzene	1.4	1.1
cis-1,2-Dichloroethene	16	47
Isopropylbenzene	96	0.54 J
trans-1,2 Dichlorothene	0.68 J	ND
Tetrachloroethene	3.5	7.7
Trichloroethene	ND	2.3
Vinyl chloride	8.4	30

PZ-3	10/8/2001	10/19/2010	3/23/2011
Depth (ft. bgs)	9-24		
Compound	ug/L	ug/L	ug/L
CVOCs	ND	ND	ND

PZ-8	8/11/2011
Depth (ft. bgs)	15-25
Compound	ug/L
CVOCs	ND

PZ-6	3/24/2011
Depth (ft. bgs)	15-25
Compound	ug/L
CVOCs	ND

LEGEND

- AS/SVE PILOT TEST POINTS
- DEEP PIEZOMETER WELL
- PIEZOMETER WELL
- SOIL BORING
- SOIL VAPOR POINT
- CHAIN LINK FENCE
- WROUGHT IRON FENCE
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- CON ED MANHOLE
- CATCH BASIN
- LIGHT POLE
- HYDRANT
- SEWER MANHOLE
- PROPOSED REMEDIATION AREA

NOTE

HALF-TONED ITEMS HAVE BEEN REMOVED OR DESTROYED.

25 0 25 50

SCALE: 1" = 50'

NOTE: Groundwater VOC concentrations for detected compounds given in µg/L.

= Concentration exceeds corresponding NYSDEC Class GA Groundwater Standard.

SOURCE: 2001/2002, APRIL 2011, AUGUST 2011, JUNE 2012 SURVEY PERFORMED BY YEC, INC., VALLEY COTTAGE, NY

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

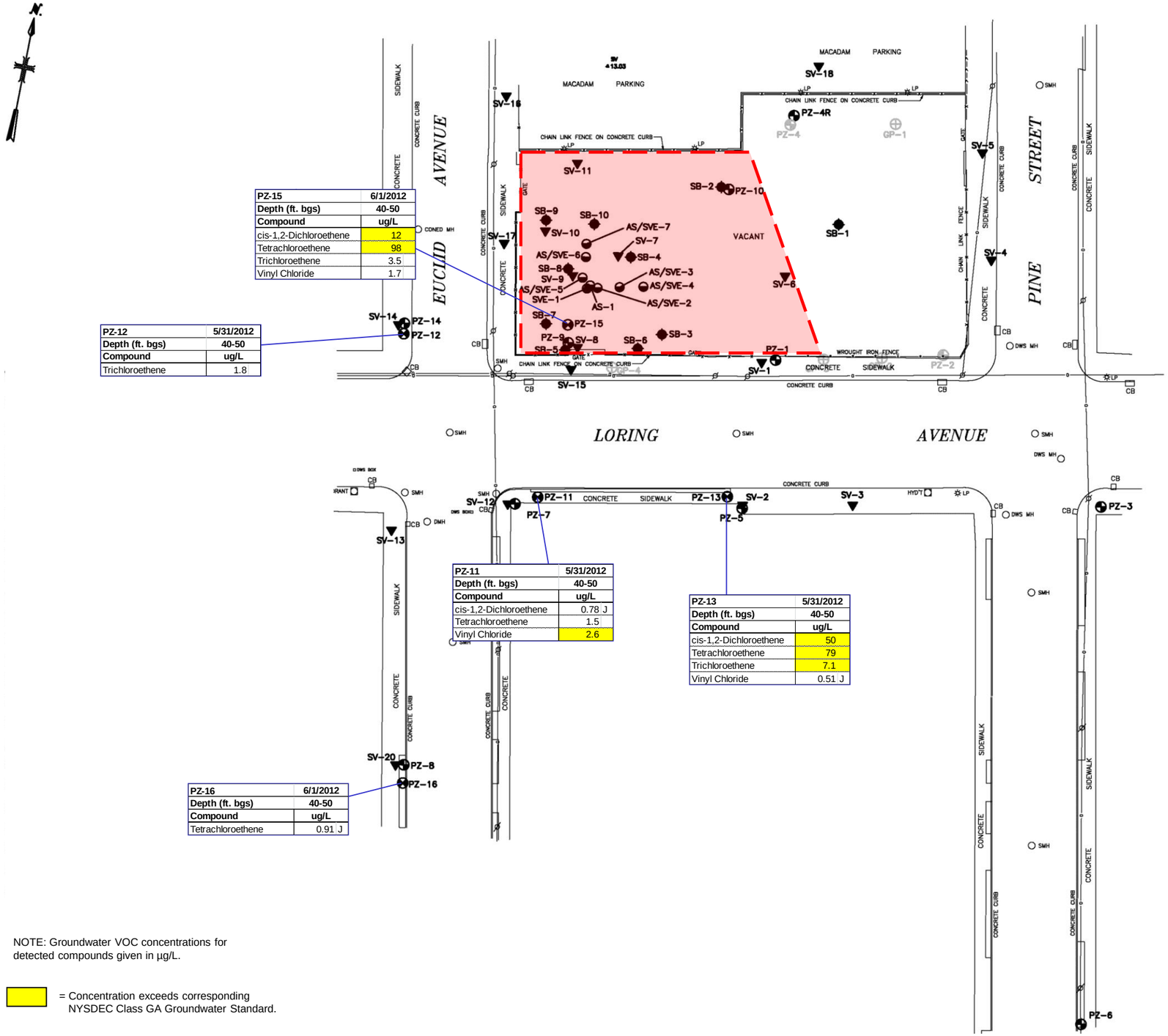
FORMER MAJESTIC GARMENT CLEANERS SITE (# 2-24-035)
BOUROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK

REMEDIAL INVESTIGATION / FEASIBILITY STUDY

SUMMARY OF "SHALLOW" GROUNDWATER SAMPLING RESULTS

ARCADIS MALCOLM PIRNIE
Infrastructure · Water · Environment · Buildings

Figure
10



PZ-15	6/1/2012
Depth (ft. bgs)	40-50
Compound	ug/L
cis-1,2-Dichloroethene	12
Tetrachloroethene	98
Trichloroethene	3.5
Vinyl Chloride	1.7

PZ-12	5/31/2012
Depth (ft. bgs)	40-50
Compound	ug/L
Trichloroethene	1.8

PZ-11	5/31/2012
Depth (ft. bgs)	40-50
Compound	ug/L
cis-1,2-Dichloroethene	0.78 J
Tetrachloroethene	1.5
Vinyl Chloride	2.6

PZ-13	5/31/2012
Depth (ft. bgs)	40-50
Compound	ug/L
cis-1,2-Dichloroethene	50
Tetrachloroethene	79
Trichloroethene	7.1
Vinyl Chloride	0.51 J

PZ-16	6/1/2012
Depth (ft. bgs)	40-50
Compound	ug/L
Tetrachloroethene	0.91 J

LEGEND

- AS/SVE PILOT TEST POINTS
- DEEP PIEZOMETER WELL
- PIEZOMETER WELL
- SOIL BORING
- SOIL VAPOR POINT
- CHAIN LINK FENCE
- WROUGHT IRON FENCE
- METAL FENCE
- UTILITY POLE
- OVERHEAD WIRE
- DRAINAGE MANHOLE
- CON ED MANHOLE
- CATCH BASIN
- LIGHT POLE
- HYDRANT
- SEWER MANHOLE
- PROPOSED REMEDIATION AREA

NOTE

HALF-TONED ITEMS HAVE BEEN REMOVED OR DESTROYED.

25 0 25 50

SCALE: 1" = 50'

NOTE: Groundwater VOC concentrations for detected compounds given in µg/L.

= Concentration exceeds corresponding NYSDEC Class GA Groundwater Standard.

SOURCE: 2001/2002, APRIL 2011, AUGUST 2011, JUNE 2012 SURVEY PERFORMED BY YEC, INC., VALLEY COTTAGE, NY

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

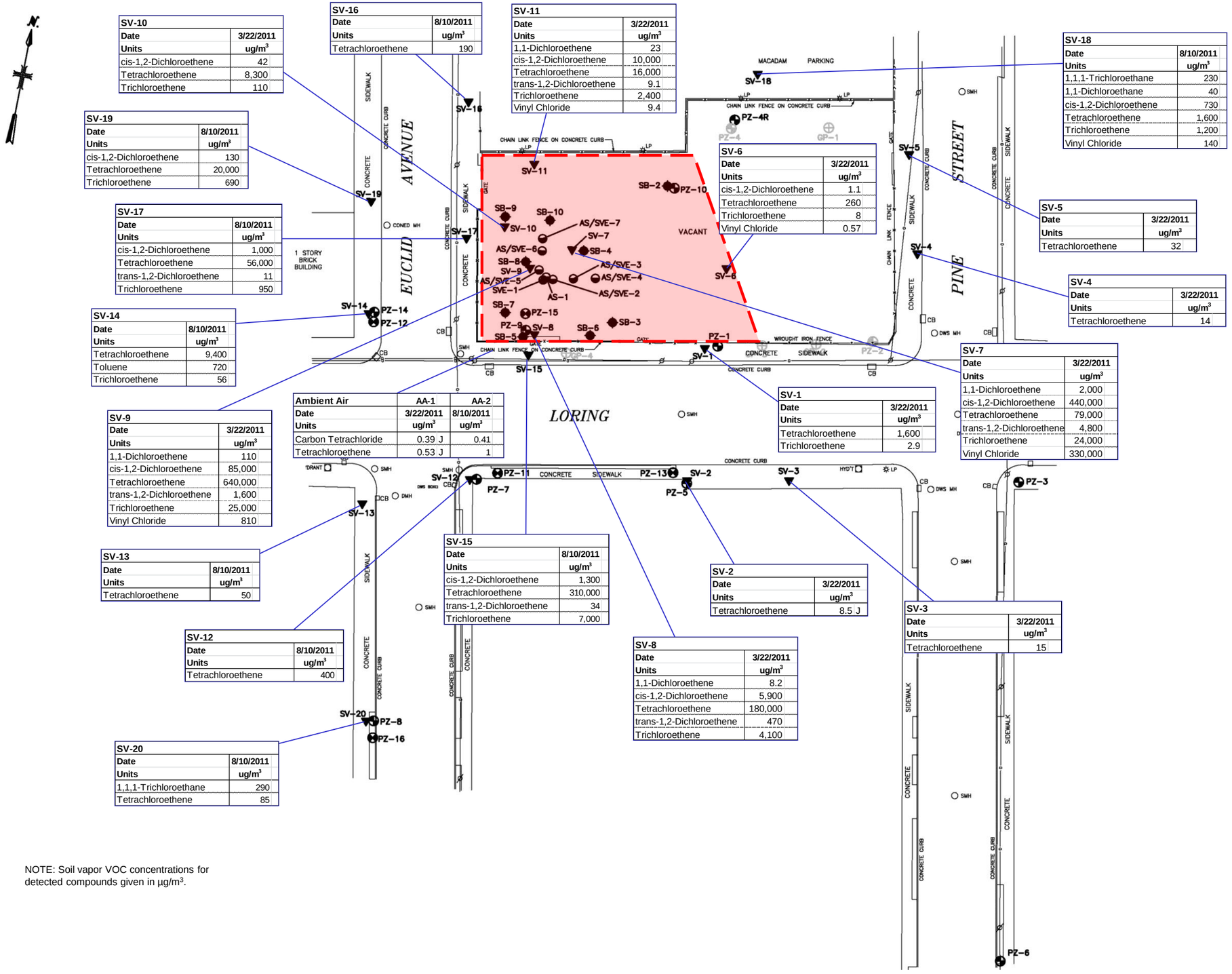
FORMER MAJESTIC GARMENT CLEANERS SITE (# 2-24-035)
BOUROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK

REMEDIAL INVESTIGATION / FEASIBILITY STUDY

SUMMARY OF "DEEP" GROUNDWATER SAMPLING RESULTS

ARCADIS MALCOLM PIRNIE
Infrastructure · Water · Environment · Buildings

Figure
11



NOTE: Soil vapor VOC concentrations for detected compounds given in µg/m³.

SOURCE: 2001/2002, APRIL 2011, AUGUST 2011, JUNE 2012 SURVEY PERFORMED BY YEC, INC., VALLEY COTTAGE, NY

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

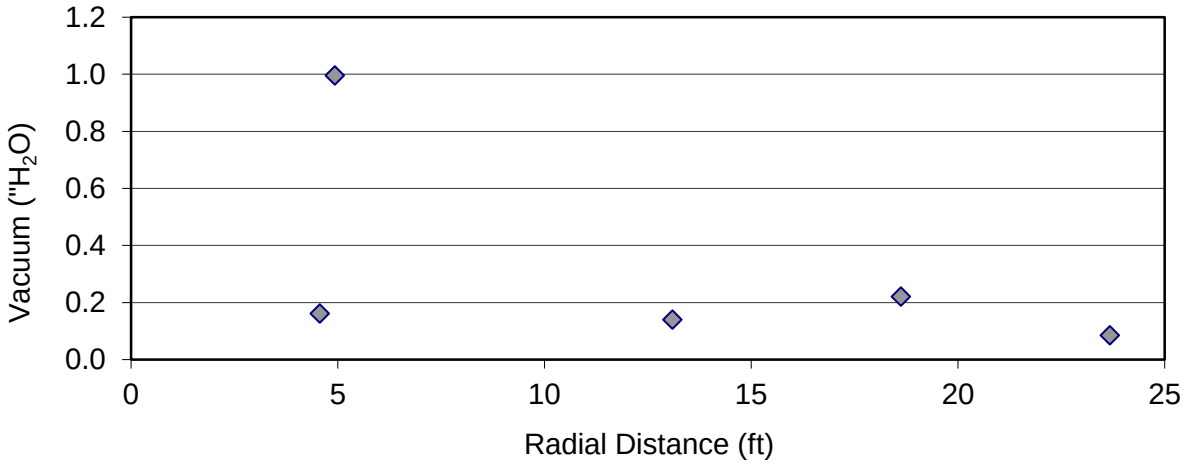
FORMER MAJESTIC GARMENT CLEANERS SITE (# 2-24-035)
BOUROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK

REMEDIAL INVESTIGATION / FEASIBILITY STUDY

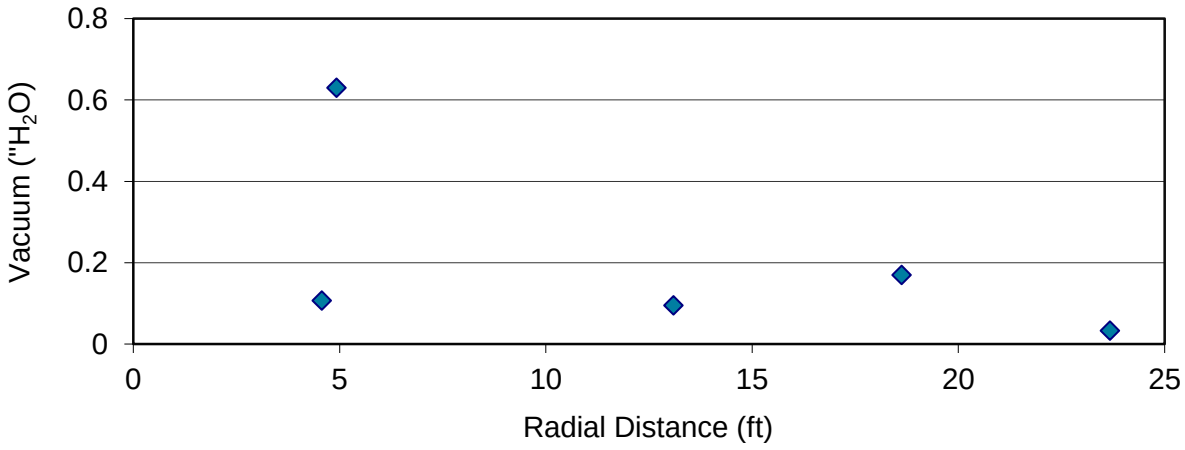
SUMMARY OF SOIL VAPOR SAMPLING RESULTS

ARCADIS MALCOLM PIRNIE
Infrastructure · Water · Environment · Buildings

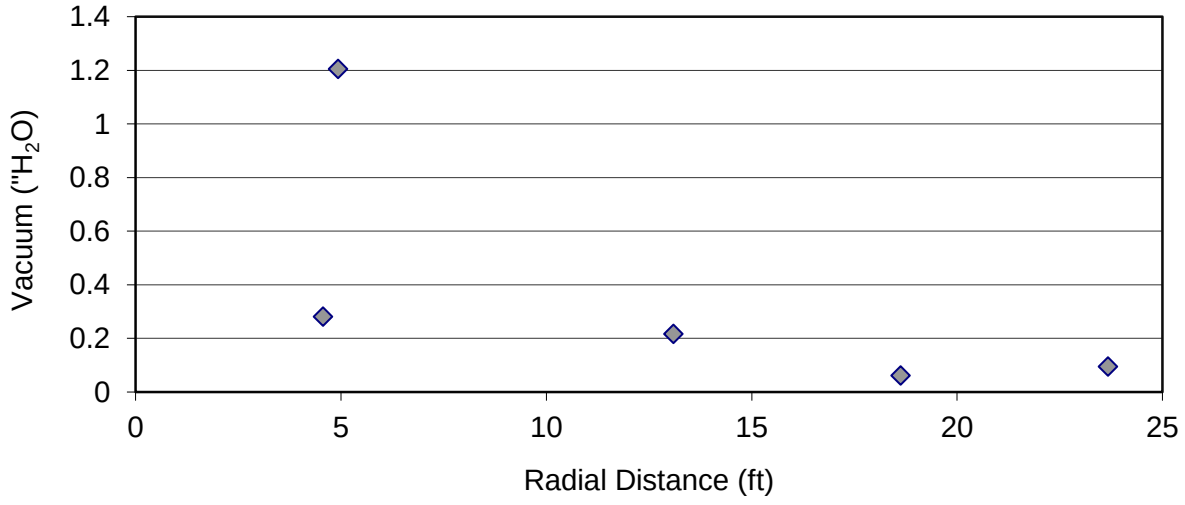
Figure 12



21 CFM



22 CFM



43 CFM

NEW YORK STAE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORMER MAJESTIC GARMENT CLEANTERS SITE (#2-24-035)
BROOKLYN, NEW YORK

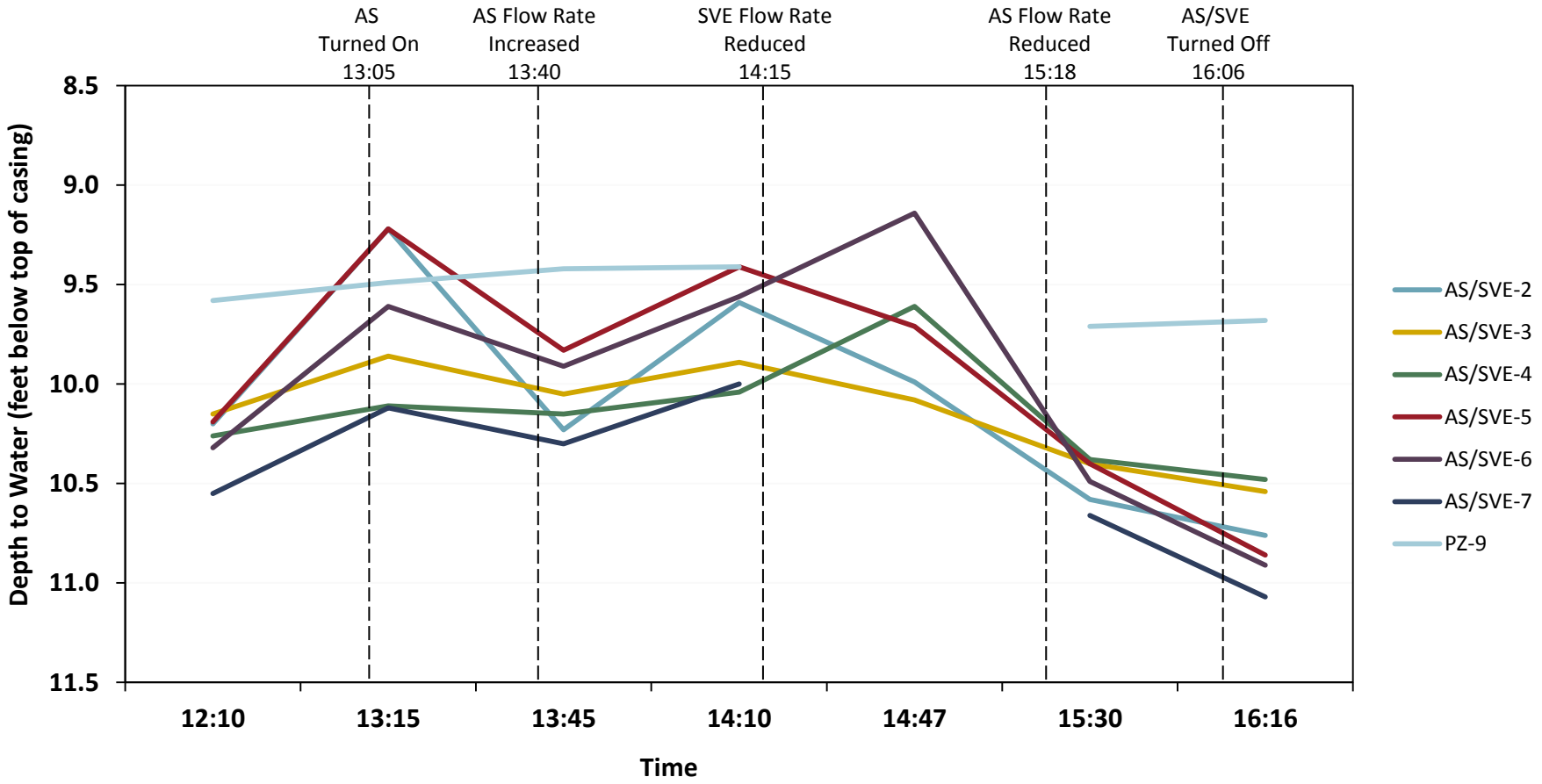
REMEDIAL INVESTIGATION / FEASIBILITY STUDY

SUMMARY OF PILOT TEST RESULTS - SVE

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Figure
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G:\PROJECT\0266384\File\RIFS Report\Fig 13 SVE Results.pptx



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

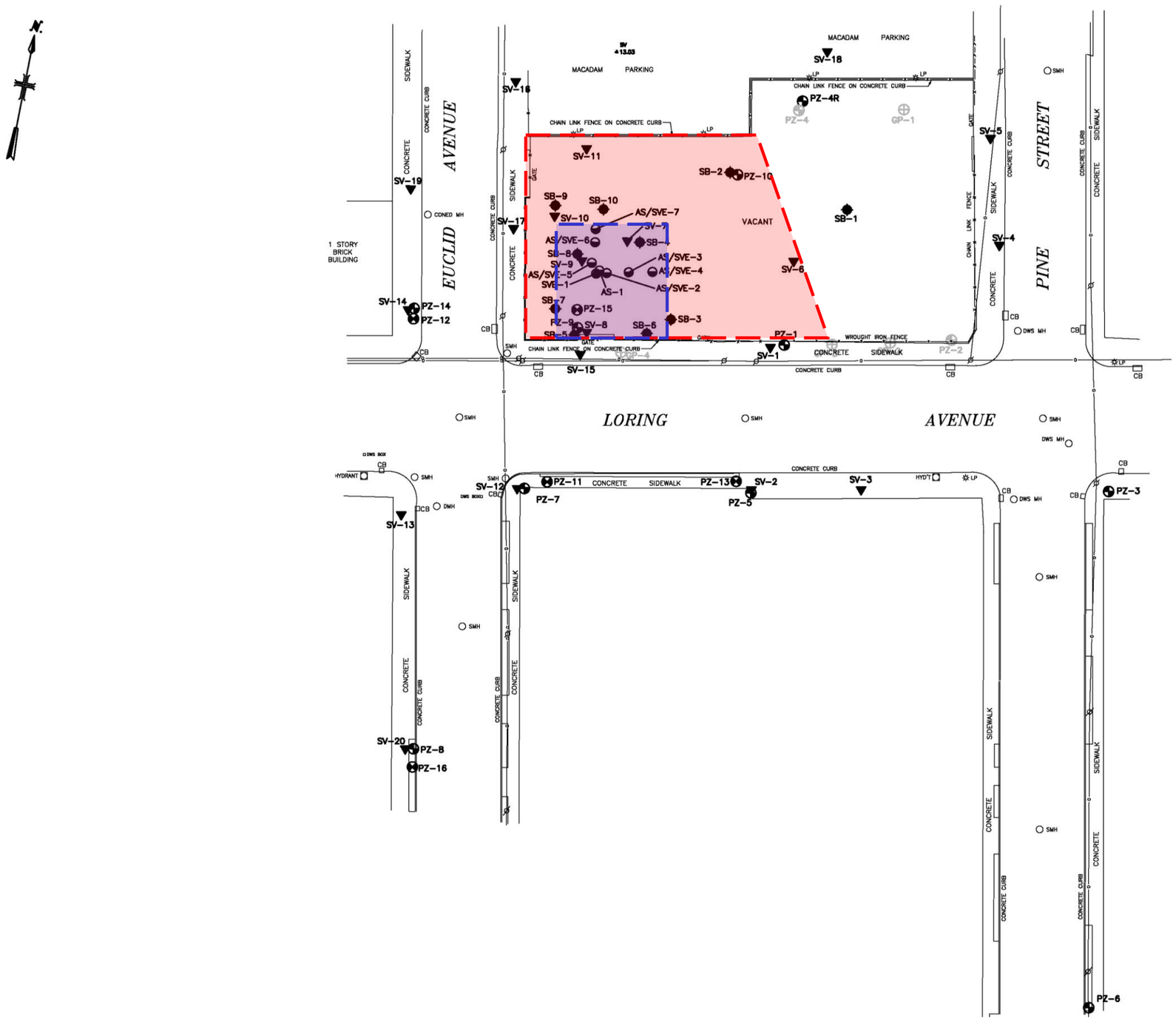
FORMER MAJESTIC GARMENT CLEANERS SITE (#2-24-035)
BOUROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK

REMEDIAL INVESTIGATION / FEASIBILITY STUDY

SUMMARY OF PILOT TEST RESULTS – AS/SVE

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Figure
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LEGEND

- AS/SVE PILOT TEST POINTS
- DEEP PIEZOMETER WELL
- PIEZOMETER WELL
- SOIL BORING
- SOIL VAPOR POINT
- CHAIN LINK FENCE
- WROUGHT IRON FENCE
- METAL FENCE
- UTILITY POLE
- OVERHEAD WIRE
- DRAINAGE MANHOLE
- CON ED MANHOLE
- CATCH BASIN
- LIGHT POLE
- HYDRANT
- SEWER MANHOLE

PROPOSED REMEDIATION AREA

POTENTIAL EXCAVATION AREA

NOTE

HALF–TONED ITEMS HAVE BEEN REMOVED OR DESTROYED.

25 0 25 50

SCALE: 1" = 50'

SOURCE: 2001/2002, APRIL 2011, AUGUST 2011, JUNE 2012 SURVEY PERFORMED BY YEC, INC., VALLEY COTTAGE, NY

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORMER MAJESTIC GARMENT CLEANERS SITE (# 2-24-035)
BOUROUGH OF BROOKLYN, KINGS COUNTY, NEW YORK

REMEDIAL INVESTIGATION / FEASIBILITY STUDY

PROPOSED REMEDIATION AREA

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Figure
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Tables

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
FORMER MAJESTIC GARMENT CLEANERS (#2-24-035)
740 PINE STREET
BROOKLYN, NEW YORK

Well	Measuring Point Elevation	Ground Elevation (feet)	3/24/2011		8/11/2011		5/31/2012		6/26/2012	
			DTW (feet)	Elevation (feet)	DTW (feet)	Elevation (feet)	DTW (feet)	Elevation (feet)	DTW (feet)	Elevation (feet)
PZ-1	13.09	13.30	9.55	3.54	10.16	2.93			10.05	3.04
PZ-3	13.98	14.17	10.45	3.53	11.08	2.90			10.94	3.04
PZ-4R	14.52	14.80	11.07	3.45	11.60	2.92			Damaged	-
PZ-5	12.65	13.21	9.14	3.51	9.80	2.85			9.65	3.00
PZ-6	13.84	14.05	10.35	3.49	11.03	2.81			10.90	2.94
PZ-7	12.85	13.70	-	-	9.99	2.86			9.82	3.03
PZ-8	12.87	13.47	-	-	10.06	2.81			9.93	2.94
PZ-9	12.61	12.96	-	-	9.71	2.90			9.57	3.04
PZ-10	14.18	14.48	-	-	11.26	2.92			Obstructed	-
PZ-11	12.82	13.23	-	-	-	-	10.41	2.41	9.79	3.03
PZ-12	12.36	12.81	-	-	-	-	9.65	2.71	9.30	3.06
PZ-13	12.92	13.28	-	-	-	-	10.22	2.70	9.89	3.03
PZ-14	12.41	12.82	-	-	-	-	9.71	2.70	9.36	3.05
PZ-15	12.82	13.19	-	-	-	-	10.12	2.70	9.79	3.03
PZ-16	13.24	13.49	-	-	-	-	10.69	2.55	10.30	2.94
SVE-1	12.95	13.34	-	-	-	-	-	-	NA	NA
AS-1	12.98	13.35	-	-	-	-	-	-	9.97	3.01
AS/SVE-2	13.19	13.43	-	-	-	-	-	-	10.18	3.01
AS/SVE-3	13.17	13.41	-	-	-	-	-	-	10.15	3.02
AS/SVE-4	13.26	13.46	-	-	-	-	-	-	10.26	3.00
AS/SVE-5	13.21	13.43	-	-	-	-	-	-	10.19	3.02
AS/SVE-6	13.33	13.55	-	-	-	-	-	-	10.30	3.03
AS/SVE-7	13.55	13.79	-	-	-	-	-	-	10.62	2.93

Elevations based on NAVD 88 datum.

Table 2
Summary of Soil Sampling Results (VOCs/SVOCs)
Former Majestic Garment Cleaners
Brooklyn, New York

Boring ID	6 NYCRR Part 375	6 NYCRR Part 375	6 NYCRR Part 375 Restricted-Residential	6 NYCRR Part 375	SB-01	SB-02	SB-03	SB-04	SB-05	SB-06	SB-07	SB-08	SB-09	SB-10
Sample Depth (feet)	Unrestricted Use Soil Cleanup Objective	Residential Soil Cleanup Objective	Soil Cleanup Objective	Commercial Soil Cleanup Objective	12-13	11-12	11-12	11-12	9-10	10-11	10-11	10-11	9-10	10-11
Sampling Date					3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/24/2011	3/24/2011	3/24/2011	3/24/2011
Matrix					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOCs														
2-Butanone (MEK)	120	100,000	100,000	500,000	1,500 U	150 U	18 J	3.8 U	4 U	3.9 U	4.3 U	3.1 U	20 J	16 J
4-Methyl-2-pentanone					2,500 U	250 U	3.5 U	3.6 U	3.7 U	3.6 U	4 U	2.9 U	3.7 U	3.6 U
Acetone	50	100,000	100,000	500,000	3,200 U	320 U	58	14 J	3.8 U	3.7 U	31 J	53 J	68	39 J
Benzene	60	2,900	4,800	44,000	370 U	37 U	0.45 U	1.3 J	0.48 U	150 J	0.52 U	0.38 U	0.48 U	0.46 U
Chloromethane					630 U	560 J	1 U	1.1 U	1.1 U	1.1 U	1.2 U	0.87 U	1.1 U	1.1 U
cis-1,2-Dichloroethene	250	59,000	100,000	500,000	410 U	170 J	1.1 U	760 J	8.2 J	1,400 J	1.2 U	22 J	1.1 U	2.2 J
Cyclohexane					640 U	64 U	1.2 U	1.2 U	1.3 U	1 U	1 U	5.1 J	1.3 U	1.2 U
Ethylbenzene	1,000	30,000	41,000	500,000	620 U	1,000	28	390 J	0.79 U	0.77 U	0.85 U	580 JD	0.79 U	0.76 U
Isopropylbenzene					9,500	4,900	110	1,500 J	0.61 U	1 U	1 U	7,800 D	34	620 D
m,p-Xylene	260 (total xylene)	100,000 (total)	100,000 (total)	500,000 (total)	1,100 U	350 J	0.86 U	19	1 U	1 U	1 U	1 UJ	1 U	1 U
Methylcyclohexane					790 U	2,800	13	700 J	1 U	1 U	2 U	2,400 D	3 J	240 JD
Methylene Chloride	50	51,000	100,000	500,000	2,400 J	48 U	1.7 U	1.7 U	1.8 U	1.8 U	2 U	1.4 U	1.8 U	1.7 U
o-Xylene	260 (total xylene)	100,000 (total)	100,000 (total)	500,000 (total)	500 U	560 J	0.81 U	690 J	0.86 U	0.84 U	0.94 U	0.69 UJ	0.86 U	0.83 U
Tetrachloroethene	1,300	5,500	19,000	150,000	320 U	32 U	1.2 U	8,100 DJ	4,400 DJ	6,800 DJ	120	930 D	1.3 U	63 J
Toluene					430 U	43 U	0.76 U	0.78 U	0.81 U	0.79 U	0.88 U	0.65 U	0.81 U	1.7 J
trans-1,2-Dichloroethene	190	100,000	100,000	500,000	480 U	48 U	0.82 U	0.84 U	0.88 U	1.3 J	0.95 U	0.7 U	0.88 U	0.84 U
Trichloroethene	470	10,000	21,000	200,000	330 U	33 U	1 U	520 J	6.1 J	590 J	1.2 U	12 J	1.1 U	1.7 J
SVOCs														
2,4-Dimethylphenol					22 U	500	390 U	400 U	24 U	24 U	26 U	1,400 J	24 U	260 U
2-Methylnaphthalene					1,000	430	10 U	540	11 U	10 U	11 U	210 U	11 U	10 U
Acenaphthene	20,000	100,000	100,000	500,000	11 U	11 U	11 U	310 J	12 U	58 J	13 U	230 U	12 U	11 U
Acenaphthylene	100,000	100,000	100,000	500,000	10 U	10 U	10 U	100 J	11 U	10 U	11 U	210 U	11 U	10 U
Benzo(a)anthracene	1,000	1,000	1,000	5,600	19 U	140 J	19 U	480	20 U	470	71 J	3,100 J	20 U	57 J
Benzo(a)pyrene	1,000	1,000	1,000	1,000	9 U	170 J	9 U	420	9 U	440	77 J	2,600 J	9 U	9 U
Benzo(b)fluoranthene	1,000	1,000	1,000	5,600	13 U	230 J	13 U	520	14 U	590	15 U	3,100 J	14 U	65 J
Benzo(g,h,i)perylene	100,000	100,000	100,000	500,000	16 U	130 J	16 U	270 J	17 U	330 J	58 J	1,600 J	17 U	16 U
Benzo(k)fluoranthene	800	1,000	3,900	56,000	18 U	68 J	19 U	140 J	20 U	190 J	21 U	1,200 J	20 U	19 U
bis(2-Ethylhexyl)phthalate					1,000	670	440	8,800 D	15 U	3,700 D	16 U	1,800 J	74 J	460
Butylbenzylphthalate					19 U	93 J	19 U	140 J	20 U	20 U	22 U	400 U	20 U	19 U
Carbazole					9 U	9 U	9 U	9 U	9 U	92 J	10 U	180 U	9 U	9 U
Chrysene	1,000	1,000	3,900	56,000	18 U	160 J	18 U	530	19 U	460	74 J	3,100 J	19 U	63 J
Dibenzo(a,h)anthracene	330	330	330	560	11 U	11 U	11 U	69 J	12 U	77 J	13 U	240 U	12 U	12 U
Dibenzofuran					15 U	15 U	15 U	140 J	17 U	57 J	18 U	320 U	16 U	16 U
Dimethylphthalate					220 U	370 U	300 U	400 U	390 U	300 U	250 U	220 U	330 U	450 U
Di-n-octylphthalate					47 J	5 U	5 U	350 J	5 U	2,400	5 U	95 U	5 U	5 U
Fluoranthene	100,000	100,000	100,000	500,000	42 J	270 J	54 J	1,300	9 U	1,100	170 J	8,400	9 U	140 J
Fluorene	30,000	100,000	100,000	500,000	71 J	15 U	15 U	370 J	16 U	69 J	17 U	310 U	16 U	15 U
Indeno(1,2,3-cd)pyrene	500	500	500	5,600	13 U	110 J	13 U	240 J	14 U	230 J	15 U	1,300 J	14 U	13 U
Naphthalene	12,000	100,000	100,000	500,000	1,500	990	95 J	1,200	15 U	78 J	16 U	1,400 J	15 U	14 U
Phenanthrene	100,000	100,000	100,000	500,000	140 J	100 J	53 J	1,600	12 U	980	120 J	6,800 J	11 U	81 J
Pyrene	100,000	100,000	100,000	500,000	54 J	250 J	49 J	1,400	10 U	1,000	140 J	6,300 J	10 U	190 J

Notes

Higlighted cells correspond to highest Soil Cleanup Objective exceeded.

U - The compound was not detected at the indicated concentration.

J - The concentration given is an approximate value.

N - The analysis indicates the presence of an analyte that has been "tentatively identified".

D - Concentration obtained from a dilution.

B - The compound was detected in the associated trip blank.

Table 3
Summary of Groundwater Sampling Results (VOCs/SVOCs)
Former Majestic Garment Cleaners
Brooklyn, New York

Well / Boring ID	NYSDEC Class GA	PZ-1			PZ-3			PZ-4R	PZ-5	PZ-6	PZ-7	PZ-8	PZ-9	
Depth (ft. bgs)		9-24	PZ-X	9-24	9-24	9-24	PZ-X	15-25	15-25	15-25	15-25	15-25	15-25	DUP-081111
Sampling Date	Standard or	10/19/2010	10/19/2010	3/22/2011	10/19/2010	3/23/2011	3/23/2011	3/24/2011	3/24/2011	3/24/2011	8/11/2011	8/11/2011	8/11/2011	8/11/2011
Matrix	Guidance Value	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOCs														
1,1-Dichloroethene	5	1 U	1 U	0.47 U	1 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	1.6	1 U	3.2 J	3.1 J
1,2,4-Trichlorobenzene	5	1 U	1 U	1.9	1 U	3.1 J	1.2 J	0.2 U	0.2 U	1.2	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	0.45 U	1 U	0.45 U	0.45 U	1.1	0.45 U	0.45 U	1 U	1 U	1 U	1 U
2-Butanone (Methyl ethyl ketone)	50	5 U	5 U	1.3 U	5 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	5 U	5 U	5 U	5 U
Acetone	50*	5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U
Benzene	1	1 U	1 U	0.32 U	1 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50*	1 U	1 U	0.36 U	1 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	1 U	1 U	1 U	1 U
Carbon Disulfide		1 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	0.34 U	1 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	1 U	1 U	1 U	1 U
Chloromethane		0.66 J	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	15	16	65	1 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	82	1 U	410 DJ	370 DJ
Ethyl Benzene	5	1 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.57 J	0.2 U	0.2 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	0.45 U	1 U	0.45 U	0.45 U	25	0.45 U	0.45 U	1 U	1 U	1 U	1 U
Methyl tert-butyl Ether	10	1 U	1 U	0.35 U	1 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	2.4	2.8	1 U	1 U
Methylcyclohexane		1 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	0.43 U	1 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	10	9.8	26	1 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	1 U	1 U	160 DJ	260 DJ
Toluene	5	1 U	1 U	0.37 U	1 U	0.37 U	0.37 U	0.72 J	0.7 J	0.37 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	0.65 J	0.65 J	1.2	1 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	1 U	1 U	7.7 J	7.7 J
Trichloroethene	5	5.5	5.4	22	1 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	1 U	1 U	65 DJ	72 DJ
Vinyl Chloride	2	1.6	1.6	7.2	1 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	27	1 U	76 J	80 J
SVOCs														
2,4-Dimethylphenol	50*	11 U	11 U	0.85 U	11 U	0.72 U	0.73 U	0.72 U	0.73 U	0.73 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene		11 U	11 U	0.38 U	11 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	10 U	10 U	10 U	10 U
3,3-Dichlorobenzidine	5	11 U	11 U	2.4 U	11 U	2 U	2.1 U	2 U	2.1 U	2.1 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	5	11 U	11 U	0.19 U	11 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	50*	11 U	11 U	0.23 U	11 U	0.19 U	0.2 U	0.19 U	0.2 U	0.2 U	10 U	10 U	10 U	10 U
Dimethylphthalate	50*	11 U	11 U	0.26 U	11 U	0.22 U	0.23 U	0.22 U	0.23 U	0.23 U	10 U	10 U	10 U	10 U
Naphthalene	10*	11 U	11 U	0.14 U	11 U	0.12 U	0.12 U	4.2 J	0.12 U	0.12 U	10 U	10 U	10 U	10 U

Notes:
** - Sum of these analytes cannot exceed 0.4 ug/l
U - Compound was not detected, Reporting Limit is provided.
J- Concentration is an approximate value.
UJ - Compound was not detected, Reporting Limit is estimated.
ND - Not detected.
NS - Not sampled.
Highlighted cells exceed NYSDEC Class GA standard or guidance value.

Table 3
Summary of Groundwater Sampling Results (VOCs/SVOCs)
Former Majestic Garment Cleaners
Brooklyn, New York

Well / Boring ID	NYSDEC Class GA	PZ-10	PZ-11		PZ-12	PZ-13	PZ-14	PZ-15	PZ-16	SB-01	
Depth (ft. bgs)		15-25	40-50	DUP-053112	40-50	40-50	15-25	40-50	40-50	13	25
Sampling Date		8/11/2011	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012	6/1/2012	6/1/2012	3/22/2011	3/22/2011
Matrix		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	Standard or Guidance Value ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOCs											
1,1-Dichloroethene	5	0.53 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.47 U	0.47 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.2 U	1.3
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1	0.96 J
2-Butanone (Methyl ethyl ketone)	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.3 U	1.3 U
Acetone	50*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U
Benzene	1	0.55 NJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.73 J	0.32 U
Bromodichloromethane	50*	1 U	1 U	1 U	1 U	0.83 J	1 U	0.85 J	1 U	0.36 U	0.36 U
Carbon Disulfide		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1	0.2 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.2 U	0.2 U
Chloroform	7	1 U	1 U	1 U	1 U	1.5	1 U	1.6	1 U	0.34 U	0.34 U
Chloromethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	5	240 D	0.78 J	0.9 J	1 U	50	1 U	12	1 U	0.35 U	0.35 U
Ethyl Benzene	5	1.2 NJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1	0.2 U
Isopropylbenzene	5	18	1 U	1 U	1 U	1 U	1 U	1 U	1 U	87	1
Methyl tert-butyl Ether	10	1 U	1.1	1.2	1 U	1 U	0.83 J	1 U	8	0.35 U	0.35 U
Methylcyclohexane		1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.6	0.2 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.43 U	0.43 U
Tetrachloroethene	5	1 U	1.5	1 U	1.8	79	3.6	98	0.91 J	0.27 U	0.27 U
Toluene	5	1 U	1 U	1.4	1 U	1 U	1 U	1 U	1 U	0.37 U	0.37 U
trans-1,2-Dichloroethene	5	7.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.41 U	0.41 U
Trichloroethene	5	1 U	1 U	1 U	1 U	7.1	1 U	3.5	1 U	0.28 U	0.28 U
Vinyl Chloride	2	150	2.6	2.6	1 U	1 U	1 U	1.7	1 U	0.34 U	0.34 U
SVOCs											
2,4-Dimethylphenol	50*	10 U	10 U	10 U	11 U	11 U	10 U	11 U	11 U	0.77 U	0.86 U
2-Methylnaphthalene		10 U	10 U	10 U	11 U	11 U	10 U	11 U	11 U	9.8 J	0.39 U
3,3-Dichlorobenzidine	5	10 U	10 U	10 U	11 U	11 U	10 U	11 U	11 U	2.2 U	2.4 U
bis(2-Ethylhexyl)phthalate	5	4.1 J	10 U	10 U	11 U	11 U	10 U	11 U	11 U	0.17 U	0.19 U
Butylbenzylphthalate	50*	10 U	10 U	10 U	11 U	11 U	10 U	11 U	11 U	0.21 U	0.23 U
Dimethylphthalate	50*	10 U	10 UJ	10 UJ	11 UJ	11 UJ	10 UJ	11 UJ	11 UJ	2.9 J	0.27 U
Naphthalene	10*	10 U	10 U	10 U	11 U	11 U	10 U	11 U	11 U	0.13 U	0.14 U

Notes:
** - Sum of these analytes cannot exceed 0.4 ug/l
U - Compound was not detected, Reporting Limit is provided.
J- Concentration is an approximate value.
UJ - Compound was not detected, Reporting Limit is estimated.
ND - Not detected.
NS - Not sampled.
Highlighted cells exceed NYSDEC Class GA standard or guidance value.

Table 3
Summary of Groundwater Sampling Results (VOCs/SVOCs)
Former Majestic Garment Cleaners
Brooklyn, New York

Well / Boring ID	NYSDEC Class GA	SB-02			SB-03		SB-04		SB-05		SB-06		SB-07	
Depth (ft. bgs)		13	25	25 (Dup-1)	13	25	13	25	13	25	13	25	13	25
Sampling Date	Standard or	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/24/2011	3/24/2011
Matrix	Guidance Value	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOCs														
1,1-Dichloroethene	5	9.4 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	4.7 U	0.47 U	0.47 U	0.54 J	0.47 U	0.47 U
1,2,4-Trichlorobenzene	5	4 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichlorobenzene	3	9 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	4.5 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
2-Butanone (Methyl ethyl ketone)	50	26 U	1.3 U	1.3 U	1.3 U	1.3 U	2 J	1.3 U	13 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Acetone	50*	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	15	13
Benzene	1	13 J	0.32 U	0.32 U	0.32 U	1.1	4.1	0.32 U	3.2 U	0.32 U	1.4	1.1	0.32 U	0.32 U
Bromodichloromethane	50*	7.2 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	3.6 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Carbon Disulfide		4 U	1.7	1.7	0.2 U	0.2 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	5	4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.96 J	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	7	6.8 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	3.4 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Chloromethane		4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	5	5,700 DJ	4.3	5.8	1.4	20	8.5	73	110 D	75	16	47	24	11
Ethyl Benzene	5	210	0.88 J	1.1	7.6	0.2 U	0.54 J	0.2 U	2 U	0.2 U	1.1	0.2 U	0.2 U	0.2 U
Isopropylbenzene	5	130	5.4	6.6	130	4.7	31	0.97 J	4.5 U	0.45 U	96	0.54 J	0.45 U	0.45 U
Methyl tert-butyl Ether	10	7 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	3.5 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
Methylcyclohexane		10 J	0.2 U	0.2 U	5.8	0.2 UJ	1.8	0.2 U	2 U	0.2 U	6.2 J	0.2 U	0.2 U	0.2 U
o-Xylene	5	17 J	0.43 U	0.72 J	0.43 U	0.43 U	0.43 U	0.43 U	4.3 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Tetrachloroethene	5	5.4 U	2	2.5	0.27 U	0.27 U	4.2	36	670 D	1,300 D	3.5	7.7	69	33
Toluene	5	7.4 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	3.7 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
trans-1,2-Dichloroethene	5	91	0.66 J	0.74 J	0.41 U	0.41 U	0.41 U	1.8	4.1 U	2.8	0.68 J	0.41 U	0.7 J	0.41 U
Trichloroethene	5	5.6 U	0.28 U	0.28 U	0.51 J	0.28 U	4.1	39	28 D	49	0.28 U	2.3	6.2	3.3
Vinyl Chloride	2	2,500	0.34 U	1.3	0.34 U	5.8	0.34 U	3.1	3.4 U	0.34 U	8.4	30	1.4	0.34 U
SVOCs														
2,4-Dimethylphenol	50*	0.84 U	0.86 U	0.85 U	0.76 U	0.83 U	NS	0.8 U	0.79 U	0.84 U	0.86 U	0.82 U	0.73 U	0.74 U
2-Methylnaphthalene		4.1 J	0.39 U	0.38 U	0.34 U	0.37 U	NS	0.36 U	0.36 U	0.38 U	0.39 U	0.37 U	0.33 U	0.33 U
3,3-Dichlorobenzidine	5	2.4 UJ	2.4 U	2.4 U	2.1 U	2.3 U	NS	2.2 U	2.2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.1 J
bis(2-Ethylhexyl)phthalate	5	5.7 J	0.19 U	0.19 U	2.1 J	0.19 U	NS	0.18 U	0.18 U	0.19 U	0.19 U	0.18 U	0.16 U	0.17 U
Butylbenzylphthalate	50*	2.6 J	0.23 U	0.23 U	0.2 U	0.22 U	NS	0.21 U	0.21 U	0.22 U	0.23 U	0.22 U	0.2 U	0.2 U
Dimethylphthalate	50*	6.3 J	2.2 J	0.26 U	2.3 J	0.26 U	NS	2 J	0.24 U	0.26 U	0.27 U	0.25 U	0.23 U	0.23 U
Naphthalene	10*	19 J	3.2 J	2.5 J	0.13 U	0.14 U	NS	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.12 U	0.12 U

Notes:
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Highlighted cells exceed NYSDEC Class GA standard or guidance value.

Table 3
Summary of Groundwater Sampling Results (VOCs/SVOCs)
Former Majestic Garment Cleaners
Brooklyn, New York

Well / Boring ID	NYSDEC Class GA	SB-08		SB-09		SB-10	
Depth (ft. bgs)		13	25	13	25	13	25
Sampling Date		3/24/2011	3/24/2011	3/24/2011	3/24/2011	3/24/2011	3/24/2011
Matrix		WATER	WATER	WATER	WATER	WATER	WATER
Units	Standard or Guidance Value ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOCs							
1,1-Dichloroethene	5	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
1,2,4-Trichlorobenzene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichlorobenzene	3	0.62 J	0.45 U	0.45 U	0.45 U	0.73 J	0.45 U
2-Butanone (Methyl ethyl ketone)	50	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Acetone	50*	8.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	1	1.8	0.32 U	0.32 U	0.32 U	3.3	0.32 U
Bromodichloromethane	50*	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Carbon Disulfide		0.96 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	7	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Chloromethane		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	5	5.3	9	8.1	0.58 J	1	4.2
Ethyl Benzene	5	1	0.2 U	0.2 U	0.2 U	1.3	0.2 U
Isopropylbenzene	5	13	0.45 U	6.6	0.45 U	170 D	0.45 U
Methyl tert-butyl Ether	10	0.35 U	0.35 U	0.35 U	0.92 J	0.35 U	0.52 J
Methylcyclohexane		5.1	0.2 U	0.2 U	0.2 U	8.7	0.2 U
o-Xylene	5	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Tetrachloroethene	5	11	32	25	0.27 U	0.27 UJ	0.27 UJ
Toluene	5	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
trans-1,2-Dichloroethene	5	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Trichloroethene	5	0.28 U	4.1	6.4	0.28 U	0.28 U	0.28 U
Vinyl Chloride	2	1.6	2.1	2	0.34 U	0.34 U	1.7
SVOCs							
2,4-Dimethylphenol	50*	0.72 U	0.73 U	0.72 U	0.74 U	2 J	0.72 U
2-Methylnaphthalene		0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
3,3-Dichlorobenzidine	5	2 U	2.1 U	2 U	2.1 U	2.1 U	2 U
bis(2-Ethylhexyl)phthalate	5	0.16 U	0.16 U	0.16 U	0.17 U	1.8 J	0.16 U
Butylbenzylphthalate	50*	0.19 U	0.2 U	0.19 U	0.2 U	0.2 U	0.19 U
Dimethylphthalate	50*	0.22 U	0.23 U	0.22 U	0.23 U	0.23 U	0.22 U
Naphthalene	10*	1.6 J	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U

Notes:
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TABLE 4
SUMMARY OF AIR SAMPLING RESULTS
FORMER MAJESTIC CLEANERS
BROOKLYN, NEW YORK

Sample ID	AA-1	SV-1	SV-2	SV-X	SV-3	SV-4	SV-5	SV-6	SV-7	SV-8	SV-9	SV-10	SV-11	AA-2	SV-12	SV-13	SV-A
Sample Type	Ambient Air	Soil Vapor	Soil Vapor	SV-2 Dup	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Ambient Air	Soil Vapor	Soil Vapor	SV-13 Dup
Date	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	8/10/2011	8/10/2011	8/10/2011	8/10/2011
Units	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
VOCs																	
1,1,1-Trichloroethane	0.19 UJ	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	5.5 U	11 U	5.5 U	5.5 U	5.5 U	0.19 U	5.5 U	5.5 U	5.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.54 UJ	0.77 U	0.77 U	0.77 U	**0.78**	0.77 U	0.77 U	0.77 U	7.7 U	15 U	7.7 U	7.7 U	7.7 U	0.49	7.7 U	7.7 U	7.7 U
1,1,2-Trichloroethane	0.19 UJ	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	5.5 U	11 U	5.5 U	5.5 U	5.5 U	0.19 U	5.5 U	5.5 U	5.5 U
1,1-Dichloroethane	0.014 UJ	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	4 U	8.1 U	4 U	4 U	4 U	0.14 U	4 U	4 U	4 U
1,1-Dichloroethene	0.14 UJ	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	**2,000**	**8.2**	**110**	4 **U**	**23**	0.14 U	4 U	4 U	4 U
1,2,4-Trimethylbenzene	**0.27** J	0.49 U	3.8 J	0.49 UJ	**5**	0.49 U	**1.2**	**4.7**	**240** NJ	**20**	**8.5 NJ**	9.6 U	**12**	**0.73**	**11**	**14**	**15**
1,3,5-Trimethylbenzene	0.17 UJ	0.49 U	**0.98** J	0.49 UJ	**1.2**	0.49 U	0.49 U	**1.2**	190 U	9.8 U	4.9 U	**11**	4.9 U	0.21	4.9 U	4.9 U	4.9 U
1,4-Dioxane																	
2-Butanone (Methyl Ethyl Ketone)	**2.2** J	**1.5**	**4.1** J	**0.51** J	**3.4**	**1.5**	**4.5**	**5.5**	**19**	**21**	**3.5**	**3.7**	2.9 U	4.1 U	120 U	120 U	120 U
2-Hexanone (MBK)	**0.29** J	0.41 U	0.41 UJ	0.41 UJ	0.41 UJ	0.41 UJ	0.41 UJ	0.77 UJ	4.1 U	8.2 UJ	4.1 U	4.1 U	4.1 U	0.32	4.1 U	4.1 U	4.1 U
4-Ethyltoluene	0.17 UJ	0.49 U	**0.8** J	0.49 UJ	2.1 U	0.49 U	0.49 U	**1.1**	88 U	9.8 U	4.9 U	**6.3**	4.9 U	0.21	4.9 U	4.9 U	4.9 U
Acetone	**14** J	**8.4**	49 U	30 U	2.4 U	**16**	51 U	**80** J	110 U	**210**	68 U	**31**	24 U	25	95 U	95 U	95 U
Benzene	**0.85** J	0.32 U	**2.6** J	0.32 UJ	**5.8**	0.32 U	**0.73**	**3.7**	**980**	**75**	**560**	**21**	**260**	**0.9**	3.2 U	3.2 U	3.2 U
Carbon Disulfide	0.11 UJ	0.31 U	**1.8**	**1.5**	**1.7**	**0.62**	**0.54**	**0.8**	**82**	**7**	**17**	**7.5**	3.1 U	1.1 U	31 U	31 U	31 U
Carbon Tetrachloride	**0.39** J	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	6.3 U	13 U	6.3 U	6.3 U	6.3 U	0.41	6.3 U	6.3 U	6.3 U
Chloroethane	0.093 UJ	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	**450**	5.3 U	6.2	2.6 U	2.6 U	0.093 U	2.6 U	2.6 U	2.6 U
Chloroform	0.17 UJ	**2.1**	0.49 U	0.49 U	**1.8**	**1.5**	**0.76**	**0.88**	4.9 U	**70**	**55**	4.9 U	**7**	0.17 U	4.9 U	4.9 U	4.9 U
Chloromethane	**0.96** J	0.21 U	0.27 U	0.22 U	0.21 U	**0.48**	**0.39**	0.77 U	2.1 U	4.1 U	2.1 U	2.1 U	2.1 U	**0.92**	2.1 U	2.1 U	2.1 U
cis-1,2-Dichloroethene	0.14 UJ	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	**1.1**	**440,000**	**5,900**	**85,000**	**42**	**10,000**	0.14 U	4 U	4 U	4 U
Cyclohexane	0.12 UJ	0.34 U	**8.6** J	**1.4** J	**29**	0.34 U	**1.8**	**4.2**	**330**	6.9 U	**9.7**	3.4 U	**10** NJ	0.12 U	3.4 U	3.4 U	3.4 U
Dichlorodifluoromethane (Freon 12)	**2.3** J	**2.1**	**2.9**	**2.8**	**2.7**	2.2	**1.8**	**2**	4.9 U	9.9 U	4.9 U	4.9 U	4.9 U	1.6	4.9 U	4.9 U	4.9 U
Ethanol	**6.3** J	**4.3**	**4.1**	**3.8**	**8.4**	8.3	**16**	**5.7**	19 UJ	**55**	19 UJ	19 UJ	19 UJ	10	75 U	75 U	75 U
Ethyl Acetate	0.13 UJ	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	3.6 U	7.2 U	3.6 U	3.6 U	3.6 U	0.13 U	3.6 U	3.6 U	3.6 U
Ethylbenzene	0.15 UJ	0.43 U	**1.1**	0.43 U	**2.7** U	0.43 U	**1.4**	**1.9**	**82** NJ	**19**	**4.8 NJ**	5.4 U	**19**	**0.59**	4.3 U	**5.5**	**5.7**
Heptane	**0.19** J	0.41 U	**8.8**	0.41 U	**1.4** NJ	0.41 U	**2.5**	**6.1**	**150**	**140**	**16**	**45**	**43**	**0.48**	4.1 U	4.1 U	4.1 U
Hexane	**0.64** J	0.35 U	**54** J	**1.7** J	**16**	**0.42**	5.3 U	**36**	330 U	**59**	19 U	**6.6 NJ**	3.9 U	4.9 U	140 U	140 U	140 U
Isopropanol	**1.3** J	**0.66**	0.25 U	0.25 U	**2.4**	**2.5**	**6.7**	0.25 U	**3.2**	5.8 U	2.5 U	2.5 U	2.5 U	3.4 U	98 U	98 U	98 U
m,p-Xylene	**0.43** J	0.87 U	**4** J	0.87 UJ	**5.8**	0.87 U	**3.2**	**6.7**	**310** NJ	**58**	**14**	8.7 U	**110**	**1.9**	**15**	**25**	**26**
Methylene Chloride	**1.8** J	1.3 U	2.6 U	**2.5**	**3.4**	**2.6**	**8.9**	**17**	**12**	14 U	**9.2**	6.9 U	**11**	**2.5**	35 U	35 U	35 U
Naphthalene																	
o-Xylene	**0.17** J	0.43 U	**1.6** J	0.43 UJ	**4.6** NJ	0.43 U	**1**	**2.6**	**360**	**24**	**5.5** NJ	4.3 U	**39**	**0.71**	**4.7**	**6.9**	**7.4**
Styrene	0.15 UJ	0.43 UJ	0.43 UJ	0.43 UJ	**0.64** NJ	0.43 UJ	0.43 UJ	0.43 UJ	4.3 U	**19** J	4.3 U	4.3 U	**24**	**0.17**	4.3 U	4.3 U	4.3 U
Tetrachloroethene	**0.53** J	**1,600**	**8.5** J	0.68 UJ	**15**	**14**	**32**	**260**	**79,000**	**180,000**	**640,000**	**8,300**	**16,000**	**1**	**400**	**50**	**50**
Toluene	**1.7** J	**0.54**	4.7 J	0.38 UJ	**9.2**	**0.41**	**36**	**11**	**180**	**860**	**72**	**25**	**480**	**3.5**	**12**	**14**	**14**
trans-1,2-Dichloroethene	0.14 UJ	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	**4,800**	**470**	**1,600**	4 U	**9.1**	0.14 U	4 U	4 U	4 U
Trichloroethene	0.19 UJ	**2.9**	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	**8**	**24,000**	**4,100**	**25,000**	**110**	**2,400**	0 U	5 U	5 U	5 U
Trichlorofluoromethane (Freon 11)	**1.2** J	**0.91**	**1.8**	**1.4**	**1.7**	**0.93**	**0.63**	**2.1**	5.6 U	11 U	5.6 U	5.6 U	5.6 U	1.3	**5.6**	5.6 U	5.6 U
Vinyl Chloride	0.09 UJ	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	**0.57**	**330,000**	5.1 U	**810**	2.6 U	**9.4**	0.09 U	2.6 U	2.6 U	2.6 U

Notes:
U - The compound was not detected at the indicated concentration.

J - Estimated value.

NJ - Tentative in identification and estimated in value.

R - Value rejected.

TABLE 4
SUMMARY OF AIR SAMPLING RESULTS
FORMER MAJESTIC CLEANERS
BROOKLYN, NEW YORK

Sample ID	**SV-14**	**SV-15**	**SV-16**	**SV-17**	**SV-18**	**SV-19**	**SV-20**	**SVE-1035**	**SVE-1230**	**AS/SVE-1400**	**AS/SVE-1540**
Sample Type	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Pilot Test Effluent	Pilot Test Effluent	Pilot Test Effluent	Pilot Test Effluent
Date	8/10/2011	8/10/2011	8/10/2011	8/10/2011	8/10/2011	8/10/2011	8/10/2011	6/26/2012	6/26/2012	6/26/2012	6/26/2012
Units	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
VOCs											
1,1,1-Trichloroethane	5.5 U	5.5 U	5.5 U	5.5 U	230	5.5 U	**290**	55 U	55 U	55 U	55 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.7 U	7.7 U	7.7 U	7.7 U	77 U	7.7 U	7.7 U	77 U	77 U	77 U	77 U
1,1,2-Trichloroethane	5.5 U	5.5 U	5.5 U	5.5 U	55 U	5.5 U	5.5 U	**200**	55 U	200	55 U
1,1-Dichloroethane	4 U	4 U	4 U	4 U	**40**	4 U	4 U	40 U	40 U	40 U	40 U
1,1-Dichloroethene	4 U	4 U	4 U	4 U	40 U	4 U	4 U	**780**	**88**	**130**	**150**
1,2,4-Trimethylbenzene	**19**	**19**	**16**	4.9 U	**370**	**18**	**28**	**110**	**83**	**170**	**170**
1,3,5-Trimethylbenzene	5.6 NJ	6.1	<4.9	4.9 U	120 NJ	4.9 U	8.6 NJ	**53**	49 U	**67**	**61**
1,4-Dioxane								36 U	**63**	36 U	36 U
2-Butanone (Methyl Ethyl Ketone)	120 U	120 U	120 U	120 U	1200 U	120 U	120 U	1,200 U	1,200 U	1,200 U	1,200 U
2-Hexanone (MBK)	4.1 U	4.1 U	4.1 U	4.1 U	41 U	4.1 U	4.1 U	41 U	41 U	41 U	41 U
4-Ethyltoluene	8.8	4.9 U	5.1	4.9 U	110 NJ	10 U	8.6	49 U	49 U	49 U	49 U
Acetone	95 U	95 U	150	95 U	950 U	1800	160	**2,500**	**2,300**	**2,600**	**2,700**
Benzene	**340**	**17**	**140**	3.2 U	**77**	**50**	**5.6**	**420**	**120**	**200**	**300**
Carbon Disulfide	31 U	31 U	31 U	31 U	310 U	31 U	31 U	310 U	310 U	310 U	**330**
Carbon Tetrachloride	6.3 U	6.3 U	6.3 U	6.3 U	63 U	6.3 U	6.3 U	63 U	63 U	63 U	63 U
Chloroethane	2.6 U	2.6 U	2.6 U	2.6 U	26 U	2.6 U	2.6 U	26 U	26 U	26 U	26 U
Chloroform	4.9 U	**110**	4.9 U	**21**	**59**	**31**	4.9 U	49 U	49 U	49 U	49 U
Chloromethane	2.1 U	2.1 U	2.9	2.1 U	21 U	2.1 U	2.1 U	21 U	21 U	21 U	21 U
cis-1,2-Dichloroethene	4 U	**1,300**	4 U	**1,000**	**730**	**130**	4 U	**350,000**	**77,000**	**100,000**	**130,000**
Cyclohexane	**1,300**	3.4 U	**37**	3.4 U	**2,800**	3.4 U	3.4 U	**300**	**100**	**460**	**1,000**
Dichlorodifluoromethane (Freon 12)	**28**	4.9 U	4.9 U	4.9 U	49 U	**170**	**13**	49 U	49 U	49 U	49 U
Ethanol	75 U	75 U	75 U	75 U	750 U	75 U	75 U	750 U	750 U	750 U	750 U
Ethyl Acetate	3.6 U	3.6 U	3.6 U	3.6 U	36 U	3.6 U	3.6 U	36 U	**2,000**	**2,200**	**2,400**
Ethylbenzene	**54**	4.3 U	**12**	4.3 U	580 U	**23**	**19**	**64**	**49**	**230**	**290**
Heptane	**1,200**	4.1 U	**50**	4.1 U	**270**	**9.8**	**6.1**	**270**	**140**	**550**	**1200**
Hexane	7400	140 U	**150**	140 U	1,400 U	140 U	140 U	1,400 U	1,400 U	1,400 U	1,400 U
Isopropanol	98 U	98 U	98 U	98 U	980 U	98 U	98 U	980 U	980 U	980 U	980 U
m,p-Xylene	**180**	8.7 U	**38**	8.7 U	660 U	**66**	**67**	87 U	87 U	87 U	**95**
Methylene Chloride	35 U	35 U	35 U	35 U	**380**	35 U	35 U	**870**	**610**	**790**	**930**
Naphthalene								**170**	**170**	**150**	**130**
o-Xylene	**35**	**4.7**	**14**	**<4.3**	140 U	**37**	**22**	43 U	43 U	**53**	**58**
Styrene	4.3 U	4.3 U	4.3 U	4.3 U	750 U	4.3 U	**6.4**	43 U	43 U	43 U	43 U
Tetrachloroethene	**9,400**	**310,000**	**190**	**56,000**	**1,600** NJ	**20,000**	**85**	**830,000**	**280,000**	**390,000**	**460,000**
Toluene	**720**	**3.9**	**99**	3.8 U	**620** NJ	**150**	**39**	**290**	**240**	**270**	**310**
trans-1,2-Dichloroethene	4 U	**34**	4 U	**11**	40 U	4 U	4 U	**1700**	**360**	**530**	**670**
Trichloroethene	**56**	**7,000**	5 U	**950**	**1,200**	**690**	5 U	**40,000**	**14,000**	**19,000**	**22,000**
Trichlorofluoromethane (Freon 11)	5.6 U	5.6 U	5.6 U	5.6 U	56 U	15	12	56 U	56 U	56 U	56 U
Vinyl Chloride	2.6 U	2.6 U	2.6 U	2.6 U	**140**	2.6 U	2.6 U	**71,000**	**13,000**	**18,000**	**19,000**

Notes:
U - The compound was not detected at the indicated concentration.
J - Estimated value.
NJ - Tentative in identification and estimated in valu
R - Value rejected.

Table 5
Summary of Pilot Test Field Data - SVE
Former Majestic Garment Cleaners
Brooklyn, New York

TEST #1. SOIL VAPOR EXTRACTION

Time	SVE Flow Rate M.P.			Wellhead Measurements										
	Flow (cfm/fpm)	Vacuum/ Pressure (in H_2O)	Temp (F)	Parameters	SVE-1	AS/SVE-2	AS/SVE-3	AS/SVE-4	AS/SVE-5	AS/SVE-6	AS/SVE-7	PZ-15	PZ-9	PZ-4R
9:40 (base-line)	-	-	-	Vac/Press.(in.W.C.)	NR	0	NR	-.01 to + .016	0	0 to +.009	0 to +.007	-	-	-
				PID (ppm)	122	198	215	14.5	197	170	148	-	-	-
				LEL (%)	7	7.4	27	0	7	11	25	-	-	-
				ORP (mV)	-	8	8	-4	8	2	12	-	-	-
				CO (ppm)	11	28	23	0	12	11	18	-	-	-
				O_2 (%)	20.1	17.3	19.2	20.8	19.2	16.5	18.2	-	-	-
				DO (mg/L)	5.48	4.19	6.08	6.46	1.92	1.51	-	-	-	-
				DTW (ft b.m.p)	7.85	10.18	10.15	10.26	10.19	10.30	10.62	9.79	9.57	11.54
10:28	Begin SVE-only test.													
10:35	Collect vapor sample #1, "SVE-1035"													
10:33-10:50	23	-27.2	75.6	Vac/Press.(in.W.C.)	-27.2	-0.161	-0.009	-0.085	-0.995	-0.14	-0.22	-	-	-
				PID (ppm)[1]	-	0	2.2	3.9	0.01	3.5	4.1	-	-	-
				LEL (%)	-	0	0	0	0	0	0	-	-	-
				DTW (ft b.m.p)		10.21	10.16	10.27	10.21	10.34	10.57	9.81	9.58	-
11:00	23	-18	70.5	Vac/Press.(in.W.C.)	-18	0.107	0	-0.033	-0.63	-0.095	-0.17	-	-	-
				PID (ppm)	375	0	0	0	13.4	7.4	0	-	-	-
				LEL (%)	11	0	0	0	0	0	0	-	-	-
				DTW (ft b.m.p)	-	10.19	10.16	10.26	10.32	10.19	10.52	-	-	-
11:22	Increase SVE flowrate to 50 cfm. Induced vacuum slowly increases at SVE-1. Began pulling moisture at ~-60 in.W.C. Flowrate readings may not be reliable due to moisture in air stream.													
11:25	~50 / NM	-72	75	Vac/Press.(in.W.C.)	-72	-	-	-	-	-	-	-	-	-
				DTW (ft b.m.p)		10.23	10.16	10.26	-	-	-	-	-	
11:37	Decreased SVE flowrate down to 50 cfm.													
11:37-11:45	50	-53	75.8	Vac/Press.(in.W.C.)	-52	-0.281	-0.005	-0.095	-1.205	-0.217	-0.061			
				PID (ppm)	189	0	0	0	0	0	0			
				LEL (%)	7	0	0	0	0	0	0			
				DTW (ft b.m.p)		10.2	10.16	10.26	10.19	10.31	10.56			
12:10	Measured DTW of 9.96 at AS-1.													
12:10	> 68	-63	NR	Vac/Press.(in.W.C.)	-63	-0.287	-0.018	-0.106	-1.4	-0.181	-0.209			
				PID (ppm)	213	2.3	37	2.8	0	0	0			
				LEL (%)	6	0	0	0	0	0	0			
				DTW (ft b.m.p)		10.2	10.15	10.26	10.19	10.32	10.55		9.58	
12:30	Collect vapor sample #2, "SVE-1230"													

Notes:

1) Note that PID/LEL measured at monitoring points were collected by simply putting meter probe into wellhead

(i.e., a pump that would assist in overcoming vacuum in vadose zone was not used). Therefore, PID readings from monitoring points may be biased low.

Measurments from SVE-1, however, did utilize a pump.

Table 6
Summary of Pilot Test Field Data - AS/SVE
Former Majestic Garment Cleaners
Brooklyn, New York

TEST #2. AIR SPARGE / SOIL VAPOR EXTRACTION

Test Start

Time	From Flow Rate M.P.				Wellhead Measurements											
	Location	Flow (cfm/fpm)	Vacuum/ Pressure (in H_2O)	Temp (F)	Parameters	AS-1	SVE-1	AS/SVE-2	AS/SVE-3	AS/SVE-4	AS/SVE-5	AS/SVE-6	AS/SVE-7	PZ-9	PZ-15	PZ-4R
See baseline row in SVE data table for baseline ORP, DO, LEL, etc.																
13:05	Turned on Air Sparge (no stoppage of SVE). Break pressure of 9 psi. Steadies at 10 cfm and 9 psi. CD observes water mounding at AS/SVE-2 and AS/SVE-3.															
13:15	Air Sparge	10	9 psi	79	Vac/Pres. (in.W.C.)	9 psi	-60	-3.18	-0.02	-0.071	-0.393	-0.136	-0.15	-	-	-
					PID (ppm)	-	158.4	923	132	149	146	31	64	-	-	-
					LEL (%)	-	4	21	1	0	0	0	0	-	-	-
	SVE	60	-60.2	80	DTW (ft b.m.p)	-	-	9.22	9.86	10.11	9.22	9.61	10.12	9.49	9.76	-
13:40	Turned air sparge flowrate up from 10 cfm to 15 cfm.															
13:45	Air Sparge	15	7.5 psi	-	Vac/Pres. (in.W.C.)	7.5 psi	-60	-	-	-	-	-	-	-	-	-
					PID (ppm)	-	157	-	-	-	-	-	-	-	-	-
					LEL (%)	-	4	-	-	-	-	-	-	-	-	-
	SVE	60	-62	75	DTW (ft b.m.p)	-	-	10.23	10.05	10.15	9.83	9.91	10.3	9.42	9.72	-
14:00	Collect vapor sample #3, "AS/SVE-1400".															
14:10	Air Sparge	14	7.5 psi	-	Vac/Pres. (in.W.C.)	7.5 psi	-60	-0.47	+.2	-0.076	-0.5	-0.09	-0.161	-	-	-
					PID (ppm)	-	227	-	-	-	-	-	-	-	-	-
					LEL (%)	-	0	-	-	-	-	-	-	-	-	-
	SVE	60	-60	85	DTW (ft b.m.p)	-	-	9.59	9.89	10.04	9.41	9.56	10	9.41	9.73	-
14:15	Turned SVE flowrate down from 60 cfm to 21 cfm.															
14:16-14:25	Air Sparge	14	7.2	-	Vac/Pres. (in.W.C.)	7.2 psi		-	-	-	-	-	-	-	-	-
					PID (ppm)	-	110	-	-	-	-	-	-	-	-	-
					LEL (%)	-	6	-	-	-	-	-	-	-	-	-
	SVE	21	-16.5	78	DO (mg/L)	-	-	6.41	5.89	5.95	5.99	7.15	6.23	-	-	-
14:47	Air Sparge	14	7.6	-	Vac/Pres. (in.W.C.)	7.6 psi	-	+0.234	+0.123	+0.03	+2.235	+0.239	+0.841	-	-	-
					PID (ppm)	-	381	800	90	470	460	212	58	-	-	-
					LEL (%)	-	0	10	100	23	16	45	100	-	-	-
	SVE	24-37	-11	84	DTW (ft b.m.p)	-	9.78	9.99	10.08	9.61	9.71	9.14		-	-	-
15:18	Turned air sparge flowrate down from 14 cfm to 5 cfm.															
15:30	Air Sparge	4-5	8	-	Vac/Pres. (in.W.C.)	8 psi	-10.5	+.985	+.03	+.029	+.034	+.387	+1.431	-	-	-
					PID (ppm)	-	273	-	-	-	-	-	-	-	-	-
					LEL (%)	-	17	-	-	-	-	-	-	-	-	-
	SVE	25	-10.5	78.4	DTW (ft b.m.p)	-	-	10.58	10.4	10.38	10.4	10.49	10.66	9.71	9.87	-
					DO (mg/L)	-	-	4.84	5.6	4.6	3.62	2.79	1.37	-	-	-
15:40	Air Sparge	-	-	-	PID (ppm)	-	786	90	225	591	410	60	-	-	-	-
	SVE	-	-	-	LEL (%)	-	8	0	53	27	80	100	-	-	-	-
15:40	Collect vapor sample #4, "AS/SVE-1540".															
16:06	Turn off both air sparge and SVE. DTW at SVE-1 of 7.09.															
16:16	-	-	-	-	DTW (ft b.m.p)	10.09 (1)	7.51	10.76	10.54	10.48	10.86	10.91	11.07	9.68	9.86	-
					ORP	-	-	13	12	23	74	43	87	-	-	-

Notes:

1) AS-1 had a threaded bushing glued on for test. New measuring point is roughly 0.16' higher than old. However this reading is from old measuring point.

2) AS/SVE-2 location has strong odor.

TABLE 7
Remedial Alternative Cost Summary

Alternative 2
INSTITUTIONAL CONTROLS + LONG-TERM MONITORING

OPINION OF PROBABLE COST

Site: Former Majestic Garment Cleaners
Location: Brooklyn, New York
Phase: Alternatives Analysis (-30% to +50%)
Base Year: 2012
Date: August 2012

Description: Alternative 2 consists of institutional controls and long-term groundwater monitoring using the existing well network. Capital costs are incurred in Year 1. O&M costs are incurred in Years 1-30.

CAPITAL COSTS:

DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL	NOTES:
Institutional Controls Legal/Administrative Costs	1	lump sum	$25,000	$25,000	
Site Management Plan	1	lump sum	$15,000	$15,000	
SUBTOTAL				$40,000	
Contingency	20%			$8,000	
SUBTOTAL				$48,000	
Project Management	10%			$4,800	
Remedial Oversight/Reporting	15%			$7,200	
TOTAL CAPITAL COST				**$60,000**	

OPERATION, MAINTENANCE, AND MONITORING (OM&M) COSTS

DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL	NOTES:
Site Monitoring					
Groundwater Sampling & Analysis	1	YR	$25,000	$25,000	Semi-annual sampling - 15 wells
Data Evaluation and Reporting	1	YR	$5,000	$5,000	
SUBTOTAL				$30,000	
TOTAL ANNUAL O&M COST				**$30,000**	

PRESENT VALUE ANALYSIS:

COST TYPE	YEAR	TOTAL COST	TOTAL COST PER YEAR	DISCOUNT FACTOR (5%)	PRESENT VALUE	NOTES:
Capital	1	$90,000	$90,000	1.00	$90,000	Capital + 1st Year O&M Costs
Annual OM&M	2-30	$870,000	$30,000	15.14	$454,232	
		$960,000			$544,232	
TOTAL PRESENT VALUE OF ALTERNATIVE					**$544,000**	

TABLE 8
Remedial Alternative Cost Summary

Alternative 3
EXCAVATION

OPINION OF PROBABLE COST

Site: Former Majestic Garment Cleaners
Location: Brooklyn, New York
Phase: Alternatives Analysis (-30% to +50%)
Base Year: 2012
Date: August 2012

Description: Alternative 3 consists of Alternative 2 (Institutional Controls + LTM) plus soil excavation and backfill in the source area and long-term monitoring. Capital costs are incurred in Year 1. O&M costs occur in Years 1-20.

CAPITAL COSTS:

DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL	NOTES:
Institutional Controls Legal/Administrative Costs	1	lump sum	$25,000	$25,000	
Site Management Plan	1	lump sum	$15,000	$15,000	
Excavation of F-Listed Hazardous Soil					
Mobilization, Site Prep, & Staging	1	lump sum	$50,000	$50,000	
Excavation	1,400	Tons	$30	$42,000	Assumes avg. depth of 10'
Confirmation Sampling	30	EA	$150	$4,500	
Transportation & Disposal	1,400	Tons	$300	$420,000	Assumes disposal as F-Listed Waste
SUBTOTAL				$516,500	
Backfill & Site Restoration					
Backfill Costs (incl. Load and Haul)	930	CY	$60	$55,800	
Backfill & Compaction	930	CY	$5	$4,650	
SUBTOTAL				$60,450	
SUBTOTAL				$616,950	
Contingency	20%			$123,390	
SUBTOTAL				$740,340	
Design	12%			$88,841	
Project Management	6%			$44,420	
Remedial Oversight/Reporting	10%			$74,034	
TOTAL CAPITAL COST				**$947,635**	

OPERATION, MAINTENANCE, AND MONITORING (OM&M) COSTS

DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL	NOTES:
Site Monitoring					
Groundwater Sampling & Analysis	1	YR	$25,000	$25,000	Semi-annual sampling - 15 wells
Data Evaluation and Reporting	1	YR	$5,000	$5,000	
SUBTOTAL				$30,000	
TOTAL ANNUAL O&M COST				**$30,000**	

PRESENT VALUE ANALYSIS:

COST TYPE	YEAR	TOTAL COST	TOTAL COST PER YEAR	DISCOUNT FACTOR (5%)	PRESENT VALUE	NOTES:
Capital	1	$977,635	$977,635	1.00	$977,635	Capital + 1st Year O&M Costs
Annual OM&M	2-20	$570,000	$30,000	12.09	$362,560	
		$1,547,635			$1,340,195	
TOTAL PRESENT VALUE OF ALTERNATIVE					**$1,340,000**	

TABLE 9
Remedial Alternative Cost Summary

Alternative 4
AIR SPARGE / SOIL VAPOR EXTRACTION

OPINION OF PROBABLE COST

Site: Former Majestic Garment Cleaners
Location: Brooklyn, New York
Phase: Alternatives Analysis (-30% to +50%)
Base Year: 2012
Date: August 2012

Description: Alternative 4 consists of Alternative 2 (Institutional Controls + LTM), plus source area air sparging and soil vapor extraction, followed by long-term monitoring. Capital costs are incurred in Year 1. O&M costs occur in Years 1-5.

CAPITAL COSTS:

DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL	NOTES:
Institutional Controls Legal/Administrative Costs	1	lump sum	$25,000	$25,000	
Site Management Plan	1	lump sum	$15,000	$15,000	
AS/SVE System Installation					
Mobilization	1	LS	$5,000	$5,000	
Treatment System Installation (incl. building)	1	LS	$150,000	$150,000	
Sub-Grade Piping & Associated Equipment (incl. trenching / backfill)	1	LS	$120,000	$120,000	
System Electrical Work	1	LS	$20,000	$20,000	
Utility Connections	1	LS	$25,000	$25,000	
Extraction Wells w/ vaults	12	EA	$5,000	$60,000	3-inch PVC v-wire well, 20' ROI
Sparge Wells w/ vaults	21	EA	$2,500	$52,500	1-inch PVC well, 12' ROI
Additional Vapor Monitoring Points	5	EA	$500	$2,500	
Transportation and Disposal of Drill Cuttings	1	ROLL-OFF	$5,000	$5,000	
SUBTOTAL				$440,000	
SUBTOTAL				$480,000	
Contingency	20%			$96,000	
SUBTOTAL				$576,000	
Design	12%			$69,120	
Project Management	6%			$34,560	
Remedial Oversight/Reporting	10%			$57,600	
TOTAL CAPITAL COST				**$737,280**	

OPERATION, MAINTENANCE, AND MONITORING (OM&M) COSTS

DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL	NOTES:
Site Monitoring					
System O&M, Electrical Energy Usage, Air Sampling, & Analysis	1	YR	$50,000	$50,000	Quarterly - pre & post- carbon
Groundwater Sampling & Analysis	1	YR	$25,000	$25,000	Semi-annual sampling - 15 wells
Data Evaluation and Reporting	1	YR	$10,000	$10,000	
SUBTOTAL				$85,000	
TOTAL ANNUAL O&M COST				**$85,000**	

PRESENT VALUE ANALYSIS:

COST TYPE	YEAR	TOTAL COST	TOTAL COST PER YEAR	DISCOUNT FACTOR (5%)	PRESENT VALUE	NOTES:
Capital	1	$822,280	$822,280	1.00	$822,280	Capital + 1st Year O&M Costs
Annual OM&M	2-5	$340,000	$85,000	3.55	$301,406	
.		$1,162,280			$1,123,686	
TOTAL PRESENT VALUE OF ALTERNATIVE					**$1,124,000**	

TABLE 10
Remedial Alternative Cost Summary

Alternative 5
EXCAVATION + ENHANCED BIOREMEDIATION

OPINION OF PROBABLE COST

Site: Former Majestic Garment Cleaners
Location: Brooklyn, New York
Phase: Alternatives Analysis (-30% to +50%)
Base Year: 2012
Date: August 2012

Description: Alternative 5 consists of Alternative 3 (Excavation), plus enhanced bioremediation utilizing both electron donor and bacterial augmentation, followed by monitored natural attenuation. Capital costs are incurred in Year 1. O&M costs occur in Years 1-10.

CAPITAL COSTS:

DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL	NOTES:
Alternative 3 Excavation Costs	1	LS	$616,950	$616,950	See Alternative 3 for details
Field Pilot Testing	1	LS	$35,000	$35,000	
Plume Area Bioremediation Injection					
Includes Geoprobe points, electron donor, and site personnel	1	event	$170,000	$170,000	
Bacterial Culture, Shipping, and DHC analyses	1	event	$50,000	$50,000	
SUBTOTAL				$220,000	
SUBTOTAL				$871,950	
Contingency	20%			$174,390.00	
SUBTOTAL				$1,046,340	
Design	6%			$62,780.40	
Project Management	12%			$125,560.80	
Remedial Oversight/Reporting	8%			$83,707.20	
TOTAL CAPITAL COST				**$1,318,388**	

OPERATION, MAINTENANCE, AND MONITORING (OM&M) COSTS

DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL	NOTES:
Site Monitoring					
Groundwater Sampling & Analysis	1	YR	$25,000	$25,000	Semi-annual sampling - 15 wells
Data Evaluation and Reporting	1	YR	$10,000	$10,000	
SUBTOTAL				$35,000	
TOTAL ANNUAL O&M COST				**$35,000**	

PRESENT VALUE ANALYSIS:

COST TYPE	YEAR	TOTAL COST	TOTAL COST PER YEAR	DISCOUNT FACTOR (5%)	PRESENT VALUE	NOTES:
Capital	1	$1,353,388	$1,353,388	1.00	$1,353,388	Capital + 1st Year O&M Costs
Annual OM&M	2-10	$315,000	$35,000	7.11	$248,774	
.		$1,668,388			$1,602,162	
TOTAL PRESENT VALUE OF ALTERNATIVE					**$1,602,000**	

TABLE 11
Remedial Alternative Cost Summary

Alternative 6
EXCAVATION + ISCO USING SODIUM PERMANGANATE

OPINION OF PROBABLE COST

Site: Former Majestic Garment Cleaners
Location: Brooklyn, New York
Phase: Alternatives Analysis (-30% to +50%)
Base Year: 2012
Date: August 2012

Description: Alternative 6 consists of Alternative 3 (Excavation), plus plume area ISCO using sodium permanganate, followed by long-term monitoring. Capital costs are incurred in Year 1. O&M costs occur in Years 1-5.

CAPITAL COSTS:

DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL	NOTES:
Alternative 3 Excavation Costs	1	LS	$616,950	$616,950	See Alternative 3 for details
ChemOx Field Pilot Testing	1	LS	$125,000	$125,000	
Plume Area ChemOx Injection Includes Geoprobe points, chemicals, and site personnel	1	event	$462,000	$462,000	
SUBTOTAL				$1,203,950	
Contingency	20%			$240,790.00	
SUBTOTAL				$1,444,740	
Design	5%			$72,237	
Project Management	8%			$115,579	
Remedial Oversight/Reporting	6%			$86,684	
TOTAL CAPITAL COST				**$1,719,241**	

OPERATION, MAINTENANCE, AND MONITORING (OM&M) COSTS

DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL	NOTES:
Site Monitoring					
Groundwater Sampling & Analysis	1	YR	$25,000	$25,000	Semi-annual sampling - 15 wells
Data Evaluation and Reporting	1	YR	$10,000	$10,000	
SUBTOTAL				$35,000	
TOTAL ANNUAL O&M COST				**$35,000**	

PRESENT VALUE ANALYSIS:

COST TYPE	YEAR	TOTAL COST	TOTAL COST PER YEAR	DISCOUNT FACTOR (5%)	PRESENT VALUE	NOTES:
Capital	1	$1,754,241	$1,754,241	1.00	$1,754,241	Capital + 1st Year O&M Costs
Annual OM&M	2-5	$140,000	$35,000	3.55	$124,108	
.		$1,894,241			$1,878,349	
TOTAL PRESENT VALUE OF ALTERNATIVE					**$1,878,000**	

Table 12

Remedial Alternative Cost Summary

OPINION OF PROBABLE COST SUMMARY

Site: Former Majestic Garment Cleaners
Location: Brooklyn, New York
Phase: Alternatives Analysis (-30% to +50%)
Base Year: 2012
Date: August 2012

Alternative	Description	Capital Costs	Annual O&M Costs	Assumed Remediation Time (years)	Total Present Value
Alternative 1	NO FURTHER ACTION	$0	$0	NA	$0
Alternative 2	INSTITUTIONAL CONTROLS + LONG-TERM MONITORING	$60,000	$30,000	30	$544,000
Alternative 3	EXCAVATION	$947,635	$30,000	20	$1,340,000
Alternative 4	AIR SPARGE / SOIL VAPOR EXTRACTION	$737,280	$85,000	5	$1,124,000
Alternative 5	EXCAVATION + ENHANCED BIOREMEDIATION	$1,318,388	$35,000	10	$1,602,000
Alternative 6	EXCAVATION + ISCO USING SODIUM PERMANGANATE (PRE-RELEASE CONDITIONS)	$1,719,241	$35,000	5	$1,878,000

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Appendix A

Soil Boring Logs

MALCOLM PIRNIE	TEST BORING LOG	BORING No.SB-1

PROJECT	**Former Majestic Cleaners**	LOCATION	**Brooklyn, NY**			SHEET **1** OF **1**
CLIENT	**New York State Department of Environmental Conservation**					PROJECT No. **0266384**
DRILLING CONTRACTOR	**LAWES**					MEAS. PT. ELEV.
PURPOSE	**Remedial Investigation**					GROUND ELEV.
WELL MATERIAL						DATUM
DRILLING METHOD(S)	**Direct-push**		SAMPLE	CORE	CASING	DATE STARTED **3/22/11**
DRILL RIG TYPE	**66DT**	TYPE				DATE FINISHED **3/22/11**
GROUND WATER DEPTH	**13.0'**	DIA.	"			DRILLER **S. Pedersen**
MEASURING POINT		WEIGHT	#			PIRNIE STAFF **C. Goldsmith**
DATE OF MEASUREMENT		FALL	"			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
2	1.5		0		Dark Brown fine-medium SAND, Some angular Gravel, moist.			
4								
6	0				No recovery - very soft.	5.0		
8								
10			0		Brown fine-medium SAND, moist.	10.0		
12	4.5		0 129		Blackish-Gray fine-medium SAND, staining, moist-wet @13'.	12.0		▼Soil sample SB-01 (12-13) GW sample SB-01-GW-13
14			156 334		Grayish Brown fine-medium SAND, wet.	13.0		
16						15.0		
18								
20								
22								
24								GW sample SB-01-GW-25

MALCOLM PIRNIE	TEST BORING LOG	BORING No.SB-2

PROJECT	**Former Majestic Cleaners**	LOCATION	**Brooklyn, NY**			SHEET **1** OF **1**
CLIENT	**New York State Department of Environmental Conservation**					PROJECT No. **0266384**
DRILLING CONTRACTOR	**LAWES**					MEAS. PT. ELEV.
PURPOSE	**Remedial Investigation**					GROUND ELEV.
WELL MATERIAL						DATUM
DRILLING METHOD(S)	**Direct-push**		SAMPLE	CORE	CASING	DATE STARTED **3/22/11**
DRILL RIG TYPE	**66DT**	TYPE				DATE FINISHED **3/22/11**
GROUND WATER DEPTH	**12.0'**	DIA.	"			DRILLER **S. Pedersen**
MEASURING POINT		WEIGHT	#			PIRNIE STAFF **C. Goldsmith**
DATE OF MEASUREMENT		FALL	"			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2	3.5		0 0.8 2.5 9.4		Orange-Brown fine-medium SAND, FILL, moist.			
4			0.7					
6	3		8.4 4.8		Brown fine-medium SAND, moist.	5.0		
8			12.2 10.5		Dark Brown fine-medium SAND, moist.	6.5		
10			266 160		Black fine-medium SAND, Some angular Gravel, Brick, moist. Black fine-medium SAND, staining, moist.	9.0 10.0		
12			240 60.4		Gray fine-medium SAND, wet.	12.0		▼Soil sample SB-02 (11-12) GW sample SB-02-GW-13
14			50.4 30.4					
16						15.0		
18								
20								
22								
24								GW sample SB-02-GW-25

MALCOLM PIRNIE	TEST BORING LOG	BORING No.SB-3

PROJECT **Former Majestic Cleaners**	LOCATION **Brooklyn, NY**				SHEET **1** OF **1**	
CLIENT **New York State Department of Environmental Conservation**					PROJECT No. **0266384**	
DRILLING CONTRACTOR **LAWES**					MEAS. PT. ELEV.	
PURPOSE **Remedial Investigation**					GROUND ELEV.	
WELL MATERIAL					DATUM	
DRILLING METHOD(S) **Direct-push**		SAMPLE	CORE	CASING	DATE STARTED **3/22/11**	
DRILL RIG TYPE **66DT**	TYPE				DATE FINISHED **3/22/11**	
GROUND WATER DEPTH **12.0'**	DIA.	"			DRILLER **S. Pedersen**	
MEASURING POINT	WEIGHT	#			PIRNIE STAFF **C. Goldsmith**	
DATE OF MEASUREMENT	FALL	"				

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
2	2.5		0 0 0 0 0		Orange-Brown fine-medium SAND, FILL, dry.			
4								
6	1		164		Black fine-medium SAND, trace angular gravel, staining, moist.	5.0		
8								
10			54.1 353		Dark Grayish Brown fine-medium SAND, moist.	10.0		
12	3.5		129 127		Dark Grayish Brown fine-medium SAND, wet.	12.0		▼Soil sample SB-03 (11-12) GW sample SB-03-GW-13
14			154					
16						15.0		
18								
20								
22								
24								GW sample SB-03-GW-25

MALCOLM PIRNIE	TEST BORING LOG	BORING No.SB-4

PROJECT **Former Majestic Cleaners**	LOCATION **Brooklyn, NY**				SHEET **1** OF **1**	
CLIENT **New York State Department of Environmental Conservation**					PROJECT No. **0266384**	
DRILLING CONTRACTOR **LAWES**					MEAS. PT. ELEV.	
PURPOSE **Remedial Investigation**					GROUND ELEV.	
WELL MATERIAL					DATUM	
DRILLING METHOD(S) **Direct-push**		SAMPLE	CORE	CASING	DATE STARTED **3/22/11**	
DRILL RIG TYPE **66DT**	TYPE				DATE FINISHED **3/22/11**	
GROUND WATER DEPTH **12.0'**	DIA.	"			DRILLER **S. Pedersen**	
MEASURING POINT	WEIGHT	#			PIRNIE STAFF **C. Goldsmith**	
DATE OF MEASUREMENT	FALL	"				

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
0			0		Brown fine-medium SAND, moist.			
2	3.5		1.1 1 0.6 9.2		Grayish Brown fine-medium SAND, trace angular gravel, moist.	2.0		
4								
6	4		439 326 329 292		Black fine-medium SAND, staining, dry.	5.0		
8								
10			145 38.9		Dark Brown fine-medium SAND, some black staining, moist.	10.0		
12	4.5		308 107		Grayish Brown fine-medium SAND, wet.	12.0		▼Soil sample SB-04 (11-12) GW sample SB-04-GW-13
14			218 308					
16						15.0		
18								
20								
22								
24								GW sample SB-04-GW-25

MALCOLM PIRNIE	TEST BORING LOG	BORING No.SB-5

PROJECT **Former Majestic Cleaners**	LOCATION **Brooklyn, NY**				SHEET **1** OF **1**	
CLIENT **New York State Department of Environmental Conservation**					PROJECT No. **0266384**	
DRILLING CONTRACTOR **LAWES**					MEAS. PT. ELEV.	
PURPOSE **Remedial Investigation**					GROUND ELEV.	
WELL MATERIAL					DATUM	
DRILLING METHOD(S) **Direct-push**		SAMPLE	CORE	CASING	DATE STARTED **3/22/11**	
DRILL RIG TYPE **66DT**	TYPE				DATE FINISHED **3/22/11**	
GROUND WATER DEPTH **10.0'**	DIA.	"			DRILLER **S. Pedersen**	
MEASURING POINT	WEIGHT	#			PIRNIE STAFF **C. Goldsmith**	
DATE OF MEASUREMENT	FALL	"				

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
0			0		Grayish Brown fine-medium SAND & fine angular GRAVEL, moist.			
2	2.5		0		Brown fine-medium SAND, moist.	1.0		
4			0		Concrete & Asphalt.	4.0		
6	3.5		0.4		Dark Brown fine-medium SAND, trace brick, concrete, & other fill materials, moist.	5.0		
8			0.2					
10			0.4					▼Soil sample SB-05 (9-10)
12			0		Brown fine-coarse SAND, wet.	10.0		GW sample SB-05-GW-13
14			0					
16			0			15.0		
18			0					
20			0					
22			0					
24			0					GW sample SB-05-GW-25

MALCOLM PIRNIE	TEST BORING LOG	BORING No.SB-6

PROJECT **Former Majestic Cleaners**	LOCATION **Brooklyn, NY**				SHEET **1** OF **1**	
CLIENT **New York State Department of Environmental Conservation**					PROJECT No. **0266384**	
DRILLING CONTRACTOR **LAWES**					MEAS. PT. ELEV.	
PURPOSE **Remedial Investigation**					GROUND ELEV.	
WELL MATERIAL					DATUM	
DRILLING METHOD(S) **Direct-push**		SAMPLE	CORE	CASING	DATE STARTED **3/22/11**	
DRILL RIG TYPE **66DT**	TYPE				DATE FINISHED **3/22/11**	
GROUND WATER DEPTH **12.0'**	DIA.	"			DRILLER **S. Pedersen**	
MEASURING POINT	WEIGHT	#			PIRNIE STAFF **C. Goldsmith**	
DATE OF MEASUREMENT	FALL	"				

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2	2.5		0 0 0 0 0		Dark Brown fine-medium SAND, trace angular gravel, moist.			
6	4		0 0 0 0 0		Dark Brown fine-coarse SAND, trace angular gravel, dry.	5.0		
10					Dark Brown fine SAND, trace silt, moist.	9.0		Soil sample SB-06 (10-11)
12	4		12.9 41 621		Grayish Brown fine-medium SAND, wet.	12.0		▼ GW sample SB-06-GW-13 (slight sheen)
14			140 150					
						15.0		
16								
18								
20								
22								
24								GW sample SB-06-GW-25

MALCOLM PIRNIE	TEST BORING LOG	BORING No.SB-7

PROJECT **Former Majestic Cleaners**	LOCATION **Brooklyn, NY**				SHEET **1** OF **1**	
CLIENT **New York State Department of Environmental Conservation**					PROJECT No. **0266384**	
DRILLING CONTRACTOR **LAWES**					MEAS. PT. ELEV.	
PURPOSE **Remedial Investigation**					GROUND ELEV.	
WELL MATERIAL					DATUM	
DRILLING METHOD(S) **Direct-push**		SAMPLE	CORE	CASING	DATE STARTED **3/24/11**	
DRILL RIG TYPE **77DT**	TYPE				DATE FINISHED **3/24/11**	
GROUND WATER DEPTH **12.0'**	DIA.	"			DRILLER **S. Pedersen**	
MEASURING POINT	WEIGHT	#			PIRNIE STAFF **C. Goldsmith**	
DATE OF MEASUREMENT	FALL	"				

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
0			0		Brown fine-medium SAND, trace angular gravel, moist.			
2	3		0		Gray/Black Fill: Concrete and asphalt.	2.0		
4			0					
			0					
6			0.8		Gray/Black/Red Fill: Concrete, brick, asphalt.	5.0		
	3.5		0.1					
8			0.1					
			6.4					
			0		Dark Brown fine SAND, moist.	9.0		
10			0		Dark Brown fine-coarse SAND, moist.	10.0		Soil sample SB-07 (10-11)
			0					
12	4		0		Grayish Brown fine-medium SAND, wet.	12.0		▼
			0					GW sample SB-07-GW-13
14			0					
						15.0		
16								
18								
20								
22								
24								GW sample SB-07-GW-25

MALCOLM PIRNIE	TEST BORING LOG	BORING No.SB-8

PROJECT	**Former Majestic Cleaners**	LOCATION	**Brooklyn, NY**			SHEET **1** OF **1**
CLIENT	**New York State Department of Environmental Conservation**					PROJECT No. **0266384**
DRILLING CONTRACTOR	**LAWES**					MEAS. PT. ELEV.
PURPOSE	**Remedial Investigation**					GROUND ELEV.
WELL MATERIAL						DATUM
DRILLING METHOD(S)	**Direct-push**		SAMPLE	CORE	CASING	DATE STARTED **3/24/11**
DRILL RIG TYPE	**77DT**	TYPE				DATE FINISHED **3/24/11**
GROUND WATER DEPTH	**12.0'**	DIA.	**"**			DRILLER **S. Pedersen**
MEASURING POINT		WEIGHT	**#**			PIRNIE STAFF **C. Goldsmith**
DATE OF MEASUREMENT		FALL	**"**			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
2	4		8.3 0.9 4.1 3		Dark Brown fine-medium SAND, Some angular Gravel, moist.			
4			0.6					
6	4		8.2 3.4 2.2		Concrete. Orange-Brown fine-medium SAND, some black staining, moist.	5.0 6.0		
8			2.2		Brick and Concrete.	8.0		
10			99.4		Black fine SAND, trace silt, staining, moist.	9.0		
12	4.5		103 118 85		Dark Grayish Black fine SAND, moist. Dark Grayish Brown fine-medium SAND, wet.	10.0 12.0		Soil sample SB-08 (10-11) ▼ GW sample SB-08-GW-13
14			48.6 1.6					
16						15.0		
18								
20								
22								
24								GW sample SB-08-GW-25

MALCOLM PIRNIE

TEST BORING LOG

BORING No.SB-9

PROJECT	**Former Majestic Cleaners**	LOCATION	**Brooklyn, NY**	SHEET	**1** OF **1**
CLIENT	**New York State Department of Environmental Conservation**			PROJECT No.	**0266384**
DRILLING CONTRACTOR	**LAWES**			MEAS. PT. ELEV.	
PURPOSE	**Remedial Investigation**			GROUND ELEV.	
WELL MATERIAL				DATUM	
DRILLING METHOD(S)	**Direct-push**	SAMPLE	CORE / CASING	DATE STARTED	**3/24/11**
DRILL RIG TYPE	**77DT**	TYPE		DATE FINISHED	**3/24/11**
GROUND WATER DEPTH	**12.0'**	DIA.	"	DRILLER	**S. Pedersen**
MEASURING POINT		WEIGHT	#	PIRNIE STAFF	**C. Goldsmith**
DATE OF MEASUREMENT		FALL	"		

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
2	3.5		2.7 0 0.6 0.3		Brown fine-medium SAND, trace angular gravel, moist.			
4					Dark Brown fine-medium SAND, Some concrete debris, trace silt, moist.	2.0		
6	4.5		2.8 0 1.9 1.1		Concrete	5.0		
8					Dark Brown fine-medium SAND, trace angular gravel, moist.	6.0		
10			313 262		Black fine SAND, moist.	8.0		Soil sample SB-09 (9-10)
12	4.5		13 6.1		Dark Grayish Brown medium SAND, moist.	10.0		▼
14			8.2 7.9		Dark Grayish Brown fine-medium SAND, wet.	12.0		GW sample SB-09-GW-13
16						15.0		
18								
20								
22								
24								GW sample SB-09-GW-25

MALCOLM PIRNIE	TEST BORING LOG	BORING No.SB-10

PROJECT	**Former Majestic Cleaners**	LOCATION	**Brooklyn, NY**			SHEET **1** OF **1**
CLIENT	**New York State Department of Environmental Conservation**					PROJECT No. **0266384**
DRILLING CONTRACTOR	**LAWES**					MEAS. PT. ELEV.
PURPOSE	**Remedial Investigation**					GROUND ELEV.
WELL MATERIAL						DATUM
DRILLING METHOD(S)	**Direct-push**		SAMPLE	CORE	CASING	DATE STARTED **3/24/11**
DRILL RIG TYPE	**77DT**	TYPE				DATE FINISHED **3/24/11**
GROUND WATER DEPTH	**12.0'**	DIA.	**"**			DRILLER **S. Pedersen**
MEASURING POINT		WEIGHT	**#**			PIRNIE STAFF **C. Goldsmith**
DATE OF MEASUREMENT		FALL	**"**			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
2	4		1.9 1.3 0 0 0		Brown fine-medium SAND, moist.			
6			2.5 6.7		Concrete.	6.0		
8	3.5		30.4 76.2 107		Dark Gray to Black fine-medium SAND, staining, moist.	7.0		
10			71.2		Black fine-medium SAND, staining, moist.	10.0		Soil sample SB-10 (10-11)
12	4.5		24.2 197		Dark Gray fine-medium SAND, wet.	12.0		▼ GW sample SB-10-GW-13
14			71.5 154					
16						15.0		
18								
20								
22								
24								GW sample SB-10-GW-25

ARCADIS

Sample/Core Log

BORING: PZ-11

PROJECT NAME: Majestic Cleaners	**DATE: 5/23/2012**
JOB NUMBER: 00266384.0000	**LOCATION: 740 Pine St., Brooklyn, NY**
Client: New York State Department of Conservation	
DRILLING FIRM: LAWES	**WEATHER: Mostly Sunny, ~75°F**
DRILLING METHOD: Hollow Stem Auger	**ELEVATION:**
DRILLER: Kevin	**DATUM: Ground Surface**
HELPER: Dan	**HYDROGEOLOGIST: C. Goldsmith**

SAMPLE INFORMATION									
No.	Depth	Rec	Blows per 6"				Depth	SOIL DESCRIPTION	PID (ppm)	REMARKS
							0-0.5	Concrete.	0-1 0.0	0-5 Hand Cleared
							0.5-5	Dark brown, fine-medium SAND, trace fine sub-round	1-2 0.0	
								Gravel, trace Silt, dry.	2-3 0.0	
									3-4 0.0	
									4-5 0.0	
1	5-7	11	5	5			5-6.5	Dark brown, fine-medium SAND, trace fine round Gravel, dry	5-6 0.0	
					6	6	6.5-7	Black, medium SAND (asphault/cinders), dry.	6-7 0.0	
2	7-9	14	6	5			7-9	Dark brown\black, fine-medium Silty SAND, trace fine sub-	7-8 0.0	
					5	4		round GRAVEL, moist.	8-9 0.0	
3	9-11	16	6	6			9-11	Gray\brown fine-medium SAND, trace Silt, wet.	9-10 0.0	
					5	5			10-11 0.0	water at 10 ft
4	11-13	23	6	7			11-13	Gray\brown fine-medium SAND, wet.	11-12 0.0	
					7	7			12-13 0.0	
5	13-15	18	2	2			13-15	Gray\brown, fine-coarse well graded SAND, wet.	13-14 0.0	
					2	4			14-15 0.0	
6	15-17	24	4	4			15-17	Brown, fine-medium wellgraded SAND, wet.	15-16 0.0	
					5	7			16-17 0.0	
7	17-19	19	3	3			17-19	Brown, fine-medium wellgraded SAND, trace, coarse Sand,	17-18 0.0	
					3	4		wet.	18-19 0.0	
8	19-21	16	3	3			17-29	Red\Brown, fine-medium well graded SAND, wet.	19-20 0.0	
					5	6			20-21 0.0	
9	21-23	16	5	6					21-22 0.0	
					6	7			22-23 0.0	
10	23-25	17	3	4					23-24 0.0	
					4	4			24-25 0.0	
11	25-27	23	4	5					25-26 0.0	
					4	4			26-27 0.0	
12	27-29	24	6	6					27-28 0.0	
					7	8			28-29 0.0	
13	29-31	24	4	4			29-37	Brown, fine-medium well graded SAND, wet.	29-30 0.0	
					6	7			30-31 0.0	
14	31-33	24	5	6					31-32 0.0	
					7	6			32-33 0.0	
15	33-35	24	6	6					33-34 0.0	
					8	8			34-35 0.0	
16	35-37	24	7	7					35-36 0.0	
					8	9			36-37 0.0	
17	37-39	24	7	8			37-39	Brown, fine, well graded SAND, trace sub-angular Gravel, we	37-38 0.0	
					8	9			38-39 0.0	
18	39-41	24	5	7			39-43	Brown, fine well graded SAND, trace Silt, wet.	39-40 0.0	
					7	7			40-41 0.0	
19	41-43	24	5	5					41-42 0.0	
					6	7			42-43 0.0	
20	43-45	22	3	3			43-47	Gray\Brown, fine SAND, wet.	43-44 0.0	
					3	4			44-45 0.0	
21	45-47	19	3	3					45-46 0.0	
					3	4			46-47 0.0	
22	47-49	22	5	5			47-49	Gray\Brown, Fine SAND, trace Silt, wet.	47-48 0.0	
					8	9			48-49 0.0	
23	49-51	24	3	3			49-51	Gray\Brown, fine SAND, wet.	49-50 0.0	
					4	5		End Of Boring At 50 ft bgs	50-51 0.0	

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Sample/Core Log

BORING: PZ-12

PROJECT NAME: Majestic Cleaners	**DATE: 5/24/2012**
JOB NUMBER: 00266384.0000	**LOCATION: 740 Pine St., Brooklyn, NY**
Client: New York State Department of Conservation	
DRILLING FIRM: LAWES	**WEATHER: Cloudy, ~70°F**
DRILLING METHOD: Hollow Stem Auger	**ELEVATION:**
DRILLER: Kevin	**DATUM: Ground Surface**
HELPER: Dan	**HYDROGEOLOGIST: C. Goldsmith**

SAMPLE INFORMATION									
No.	Depth	Rec	Blows per 6"				Depth	SOIL DESCRIPTION	PID (ppm)	REMARKS
							0-0.5	Concrete.	0-1 0.0	0-5 Hand Cleared
							0.5-9	Dark Gray \Black\Red\Brown, med SAND and angular GRAVEL Fill, moist.	1-2 0.0	
									2-3 0.0	
									3-4 0.0	
									4-5 0.0	
1	5-7	15	3	5					5-6 0.0	
					5	7			6-7 0.0	
2	7-9	13	5	3			9-11	Gray\Brown, fine-medium well graded SAND, moist.	7-8 0.0	
					3	3			8-9 0.0	
3	9-11	16	5	8					9-10 0.0	
					14	14	11-17	Gray\Brown, fine-medium well graded SAND, wet.	10-11 0.0	
4	11-13	19	11	13					11-12 0.0	water at 11 ft
					14	13			12-13 0.0	
5	13-15	17	5	5					13-14 0.0	
					6	6			14-15 0.0	
6	15-17	9	5	4					15-16 0.0	
					4	5			16-17 0.0	
7	17-19	16	3	3			17-21	Gray\Brown, fine-medium well graded SAND, trace coarse Sand, wet.	17-18 0.0	
					3	4			18-19 0.0	
8	19-21	24	4	4					19-20 0.0	
					6	7			20-21 0.0	
9	21-23	24	5	5			21-39	Orange\Brown, fine-medium well graded SAND, wet.	21-22 0.0	
					4	4			22-23 0.0	
10	23-25	24	3	2					23-24 0.0	
					2	5			24-25 0.0	
11	25-27	23	4	4					25-26 0.0	
					4	6			26-27 0.0	
12	27-29	21	3	3					27-28 0.0	
					2	3			28-29 0.0	
13	29-31	24	3	4					29-30 0.0	
					4	5			30-31 0.0	
14	31-33	22	3	3					31-32 0.0	
					4	3			32-33 0.0	
15	33-35	23	4	5					33-34 0.0	
					5	7			34-35 0.0	
16	35-37	21	4	4					35-36 0.0	
					4	6			36-37 0.0	
17	37-39	23	4	4					37-38 0.0	
					4	4			38-39 0.0	
18	39-41	10	3	5			39-45	Light brown, fine well graded SAND, wet.	39-40 0.0	
					5	7			40-41 0.0	
19	41-43	22	6	4					41-42 0.0	
					3	4			42-43 0.0	
20	43-45	22	4	5					43-44 0.0	
					8	11			44-45 0.0	
21	45-47	24	6	6			45-51	Light brown, fine-medium well graded SAND, wet.	45-46 0.0	
					6	6			46-47 0.0	
22	47-49	24	5	7					47-48 0.0	
					6	6			48-49 0.0	
23	49-51	24	5	6					49-50 0.0	
					5	5		End Of Boring At 50 ft bgs	50-51 0.0	

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Sample/Core Log

BORING: PZ-13

PROJECT NAME: Majestic Cleaners	**DATE: 5/29/2012**
JOB NUMBER: 00266384.0000	**LOCATION: 740 Pine St., Brooklyn, NY**
Client: New York State Department of Conservation	
DRILLING FIRM: LAWES	**WEATHER: Sunny, Humid, 88°F**
DRILLING METHOD: Hollow Stem Auger	**ELEVATION:**
DRILLER: Kevin	**DATUM: Ground Surface**
HELPER: Dan	**HYDROGEOLOGIST: C. Goldsmith**

SAMPLE INFORMATION									
No.	Depth	Rec	Blows per 6"				Depth	SOIL DESCRIPTION	PID (ppm)	REMARKS
							0-0.5	Concrete.	0-1 0.0	0-5 Hand Cleared
							0.5-5	Brown, fine-mediumSAND, some sub-round Gravel and Fill (brick, concrete), dry.	1-2 0.0	
									2-3 0.0	
									3-4 0.0	
									4-5 0.0	
1	5-7	11	4	4			5-7.5	Orange\Brown, fine-medium poorly graded SAND, trace Gravel, dry	5-6 0.0	
					6	7			6-7 0.0	
2	7-9	24	6	6			7.5-8	Dark brown, fine Silty SAND, moist.	7-8 0.0	
					5	7	8-8.5	Black, fine SAND Fill (cinders), moist.	8-9 0.0	
3	9-11	24	4	3			8.5-9	Brown, fine well graded SAND, wet.	9-10 0.0	water at 9.5 ft
					3	5	9-9.5	Dark brown, fine well graded SAND, wet.	10-11 0.0	
4	11-13	24	6	7			9.5-26.5	Moderated brown, fine-medium well graded SAND, wet.	11-12 0.0	
					7	8			12-13 0.0	
5	13-15	24	3	3					13-14 0.0	
					4	5			14-15 0.0	
6	15-17	24	6	6					15-16 0.0	
					7	7			16-17 0.0	
7	17-19	19	3	3					17-18 0.0	
					3	3			18-19 0.0	
8	19-21	17	2	3					19-20 0.0	
					3	3			20-21 0.0	
9	21-23	18	4	4					21-22 0.0	
					5	6			22-23 0.0	
10	23-25	24	5	7					23-24 0.0	
					7	9			24-25 0.0	
11	25-27	24	5	6			26.5-27	Moderated brown, dine-medium SAND, some coarse Sand and fine sub-round Gravel, wet.	25-26 0.0	
					6	6			26-27 0.0	
12	27-29	24	5	4			27-37	Moderate brown, fine-medium well graded SAND, wet.	27-28 0.0	
					6	8			28-29 0.0	
13	29-31	17	5	5					29-30 0.0	
					6	6			30-31 0.0	
14	31-33	24	6	4			31-37	Orange\Brown, fine well graded SAND, wet	31-32 0.0	
					4	4			32-33 0.0	
15	33-35	24	8	3			37-45	Orange\Brown, fine-medium well graded SAND, wet	33-34 0.0	
					3	6			34-35 0.0	
16	35-37	10	5	6					35-36 0.0	
					6	7			36-37 0.0	
17	37-39	24	7	7					37-38 0.0	
					7	8			38-39 0.0	
18	39-41	11	5	5					39-40 0.0	
					6	8			40-41 0.0	
19	41-43	24	7	6					41-42 0.0	
					7	7			42-43 0.0	
20	43-45	24	5	5			43-49	Moderate brown, fine well graded SAND, wet.	43-44 0.0	
					5	5			44-45 0.0	
21	45-47	24	7	8					45-46 0.0	
					8	7			46-47 0.0	
22	47-49	24	7	6					47-48 0.0	
					5	5			48-49 0.0	
23	49-51	24	4	4			49-51	Moderate brown, fine-medium well graded SAND, wet.	49-50 0.0	
					4	4		End Of Boring At 50 ft bgs	50-51 0.0	

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Sample/Core Log

BORING: PZ-15

PROJECT NAME: Majestic Cleaners	**DATE: 5/30/2012**
JOB NUMBER: 00266384.0000	**LOCATION: 740 Pine St., Brooklyn, NY**
Client: New York State Department of Conservation	
DRILLING FIRM: LAWES	**WEATHER: Cloudy, ~80°F**
DRILLING METHOD: Hollow Stem Auger	**ELEVATION:**
DRILLER: Kevin	**DATUM: Ground Surface**
HELPER: Dan	**HYDROGEOLOGIST: C. Goldsmith**

SAMPLE INFORMATION									
No.	Depth	Rec	Blows per 6"				Depth	SOIL DESCRIPTION	PID (ppm)	REMARKS
							0-6	Dark brown, medium SAND, some sub-round Gravel, moist.	0-1 0.0	0-5 Hand Cleared
									1-2 0.0	
									2-3 1.0	
									3-4 0.5	
									4-5 11.5	
1	5-7	8	9	41					5-6 14.6	
					33	2	6-7	Gray, Gravel and Concrete Fill.	6-7 13.4	
2	7-9	7	9	11			7-9.5	Dark brown, medium SAND and GRAVEL, moist.	7-8 40.7	
					8	7			8-9 10.7	
3	9-11	16	7	8			9.5-11	Gray\Brown, fine-medium SAND, trace Gravel, wet.	9-10 24.5	water at 9.5 ft
					8	11			10-11 0.0	
4	11-13	24	9	7			11-13	Gray\Brown, fine-medium well graded SAND, wet.	11-12 0.0	
					5	5			12-13 0.0	
5	13-15	20	4	4			13-15	Gray\Brown, fine SAND, wet.	13-14 0.0	
					5	7			14-15 0.0	
6	15-17	24	4	5			15-25	Gray\Brown, fine-medium well graded SAND, wet.	15-16 0.0	
					5	6			16-17 0.0	
7	17-19	24	4	4					17-18 0.0	
					4	4			18-19 0.0	
8	19-21	24	4	5					19-20 0.0	
					5	5			20-21 0.0	
9	21-23	24	4	5					21-22 0.0	
					7	7			22-23 0.0	
10	23-25	18	6	4					23-24 0.0	
					3	3			24-25 0.0	
11	25-27	17	3	4			25-27	Moderate brown, fine SAND, wet.	25-26 0.0	
					4	5			26-27 0.0	
12	27-29	23	4	5			27-29	Moderate brown, fine-medium well graded SAND, wet.	27-28 0.0	
					6	6			28-29 0.0	
13	29-31	11	5	6			29-33	Gray\Brown, fine SAND, wet.	29-30 0.0	
					7	6			30-31 0.0	
14	31-33	23	6	5					31-32 0.0	
					5	8			32-33 0.0	
15	33-35	24	7	8			33-37	Moderate brown, fine SAND, wet.	33-34 0.0	
					10	11			34-35 0.0	
16	35-37	24	5	5					35-36 0.0	
					8	8			36-37 0.0	
17	37-39	20	8	6			37-47	Orange\Brown, fine SAND, wet.	37-38 0.0	
					6	7			38-39 0.0	
18	39-41	11	5	4					39-40 0.0	
					5	6			40-41 0.0	
19	41-43	24	5	4					41-42 0.0	
					5	6			42-43 0.0	
20	43-45	24	7	7					43-44 0.0	
					9	13			44-45 0.0	
21	45-47	13	7	7					45-46 0.0	
					7	7			46-47 0.0	
22	47-49	20	6	6			47-51	Orange\Brown, fine-medium well graded SAND, wet.	47-48 0.0	
					5	7			48-49 0.0	
23	49-51	18	8	9					49-50 0.0	
					7	8		End Of Boring At 50 ft bgs	50-51 0.0	

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Sample/Core Log

BORING: PZ-16

PROJECT NAME: Majestic Cleaners	**DATE: 5/31/2012**
JOB NUMBER: 00266384.0000	**LOCATION: 740 Pine St., Brooklyn, NY**
Client: New York State Department of Conservation	
DRILLING FIRM: LAWES	**WEATHER: Sunny, Humid, 88°F**
DRILLING METHOD: Hollow Stem Auger	**ELEVATION:**
DRILLER: Kevin	**DATUM: Ground Surface**
HELPER: Chris	**HYDROGEOLOGIST: C. Goldsmith**

SAMPLE INFORMATION							Depth	SOIL DESCRIPTION	PID (ppm)	REMARKS
No.	Depth	Rec	Blows per 6"							
							0-7	Moderate brown, fine-medium SAND, trace sub-angular coarse Gravel, dry.	0-1 0.0	0-5 Hand Cleared
									1-2 0.0	
									2-3 0.0	
									3-4 0.0	
									4-5 0.0	
1	5-10	25							5-6 0.0	
									6-7 0.0	
							7-10	Dark Gray\Black, medium SAND and fine-coarse Gravel Fill (brick, ash), moist.	7-8 0.0	
									8-9 0.0	
									9-10 0.0	
2	10-15	38					10-15	Gray\Brown, fine-medium well graded SAND, trace coarse Sand and fine Gravel, wet.	10-11 0.0	water at 10.5 feet
									11-12 0.0	
									12-13 0.0	
									13-14 0.0	
									14-15 0.0	
3	15-20	38					15-20	Gray\Brown, fine-medium well graded SAND, wet.	15-16 0.0	
									16-17 0.0	
									17-18 0.0	
									18-19 0.0	
									19-20 0.0	
4	20-25	43					20-22.5	Light brown, fine-medium well graded SAND, wet.	20-21 0.0	
									21-22 0.0	
							22.5-25	Light brown, fine-coarse well graded SAND, wet.	22-23 0.0	
									23-24 0.0	
									24-25 0.0	
5	25-30	50					25-30	Light brown, fine-medium well graded SAND, wet.	25-26 0.0	
									26-27 0.0	
									27-28 0.0	
									28-29 0.0	
									29-30 0.0	
6	30-35	48					30-50	Moderate brown, fine SAND, wet.	30-31 0.0	
									31-32 0.0	
									32-33 0.0	
									33-34 0.0	
									34-35 0.0	
7	35-40	58							35-36 0.0	
									36-37 0.0	
									37-38 0.0	
									38-39 0.0	
									39-40 0.0	
8	40-45	28							40-41 0.0	
									41-42 0.0	
									42-43 0.0	
									43-44 0.0	
									44-45 0.0	
9	45-50	40							45-46 0.0	
									46-47 0.0	
									47-48 0.0	
									48-49 0.0	
									49-50 0.0	
								End Of Boring At 50 ft bgs	50-51 0.0	

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Appendix B

Piezometer Construction Logs

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PZ-4R

PROJECT	**Former Majestic Cleaners**	LOCATION	**Brooklyn, NY**			SHEET **1** OF **1**
CLIENT	**New York State Department of Environmental Conservation**					PROJECT No. **0266384**
DRILLING CONTRACTOR	**LAWES**					MEAS. PT. ELEV.
PURPOSE	**Remedial Investigation**					GROUND ELEV.
WELL MATERIAL	**2" PVC**					DATUM
DRILLING METHOD(S)	**Direct-push**		SAMPLE	CORE	CASING	DATE STARTED **3/23/11**
DRILL RIG TYPE	**77DT**	TYPE				DATE FINISHED **3/23/11**
GROUND WATER DEPTH	**11.1'**	DIA.	**"**			DRILLER **S. Pedersen**
MEASURING POINT		WEIGHT	**#**			PIRNIE STAFF **C. Goldsmith**
DATE OF MEASUREMENT		FALL	**"**			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2								
4								
6								
8								
10								
12							12.0	
14							14.0	
16							15.0	
18								
20								
22								
24							25.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PZ-5

PROJECT	**Former Majestic Cleaners**	LOCATION	**Brooklyn, NY**			SHEET **1** OF **1**
CLIENT	**New York State Department of Environmental Conservation**					PROJECT No. **0266384**
DRILLING CONTRACTOR	**LAWES**					MEAS. PT. ELEV.
PURPOSE	**Remedial Investigation**					GROUND ELEV.
WELL MATERIAL	**2" PVC**					DATUM
DRILLING METHOD(S)	**Direct-push**		SAMPLE	CORE	CASING	DATE STARTED **3/23/11**
DRILL RIG TYPE	**77DT**	TYPE				DATE FINISHED **3/23/11**
GROUND WATER DEPTH	**9.1'**	DIA.	**"**			DRILLER **S. Pedersen**
MEASURING POINT		WEIGHT	**#**			PIRNIE STAFF **C. Goldsmith**
DATE OF MEASUREMENT		FALL	**"**			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2								
4								
6								
8								
10								
12							12.0	
14							14.0	
16							15.0	
18								
20								
22								
24							25.0	

MALCOLM PIRNIE	TEST BORING LOG	BORING No.PZ-6

PROJECT	**Former Majestic Cleaners**	LOCATION	**Brooklyn, NY**			SHEET **1** OF **1**
CLIENT	**New York State Department of Environmental Conservation**					PROJECT No. **0266384**
DRILLING CONTRACTOR	**LAWES**					MEAS. PT. ELEV.
PURPOSE	**Remedial Investigation**					GROUND ELEV.
WELL MATERIAL	**2" PVC**					DATUM
DRILLING METHOD(S)	**Direct-push**		SAMPLE	CORE	CASING	DATE STARTED **3/23/11**
DRILL RIG TYPE	**77DT**	TYPE				DATE FINISHED **3/23/11**
GROUND WATER DEPTH	**10.4'**	DIA.	**"**			DRILLER **S. Pedersen**
MEASURING POINT		WEIGHT	**#**			PIRNIE STAFF **C. Goldsmith**
DATE OF MEASUREMENT		FALL	**"**			

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
2								
4								
6								
8								
10							▼	
12							12.0	
14							14.0	
							15.0	
16								
18								
20								
22								
24							25.0	

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TEST BORING LOG

BORING No.PZ-7

PROJECT	**Former Majestic Cleaners**	LOCATION **Brooklyn, New York**	SHEET **1** OF **1**
CLIENT	**New York State Department of Environmental Conservation**		PROJECT No. **00266384.0000**
DRILLING CONTRACTOR	**LAWES**		MEAS. PT. ELEV.
PURPOSE	**Remedial Investigation**		GROUND ELEV.
WELL MATERIAL	**2" PVC**		DATUM
DRILLING METHOD(S)	**Direct-push**	SAMPLE / CORE / CASING	DATE STARTED **8/9/11**
DRILL RIG TYPE	**66DT**	TYPE	DATE FINISHED **8/9/11**
GROUND WATER DEPTH	**11.0'**	DIA. **"**	DRILLER **S. Pedersen**
MEASURING POINT		WEIGHT **#**	PIRNIE STAFF **C. Goldsmith**
DATE OF MEASUREMENT		FALL **"**	

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2			0		Fill: Brown SAND & GRAVEL, dry.			Hand Cleared.
4								
6					Brown medium SAND, Some Gravel & Brick, dry.	5.0		
8			0		Brown medium SAND, dry.	7.0		
10					Dark Brown fine-medium SAND, trace gravel/brick, dry.	10.0		
12			0		Light Gray/Brown fine-medium SAND, wet.	11.0	11.0 ▼ 13.0	
14							15.0	
16					Gray fine SAND, wet.	15.0		
18			0		Gray/Brown fine-medium SAND, wet.	17.0		
20					Brown fine-medium SAND, wet.	20.0		
22			0					
24						25.0	25.0	

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TEST BORING LOG

BORING No.PZ-8

PROJECT	**Former Majestic Cleaners**	LOCATION **Brooklyn, New York**	SHEET **1** OF **1**
CLIENT	**New York State Department of Environmental Conservation**		PROJECT No. **00266384.0000**
DRILLING CONTRACTOR	**LAWES**		MEAS. PT. ELEV.
PURPOSE	**Remedial Investigation**		GROUND ELEV.
WELL MATERIAL	**2" PVC**		DATUM
DRILLING METHOD(S)	**Direct-push**	SAMPLE / CORE / CASING	DATE STARTED **8/10/11**
DRILL RIG TYPE	**66DT**	TYPE	DATE FINISHED **8/10/11**
GROUND WATER DEPTH	**10.0'**	DIA. **"**	DRILLER **S. Pedersen**
MEASURING POINT		WEIGHT **#**	PIRNIE STAFF **C. Goldsmith**
DATE OF MEASUREMENT		FALL **"**	

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION (KEY - Color, Major, Minor Moisture, Etc.)	ELEV. DEPTH	WELL Constr.	REMARKS
2			0		FILL.			Hand Cleared.
4								
6					Brown-Dark Brown medium SAND & GRAVEL, with concrete, dry.	5.0		
8			0					
10					Gray fine-medium SAND, wet.	10.0		
12			0				11.0	
14							13.0	
16					Orange/Brown fine-medium SAND, wet.	15.0	15.0	
18			0					
20								
22			0					
24							25.0	
						25.0		

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TEST BORING LOG

BORING No.PZ-9

PROJECT	**Former Majestic Cleaners**	LOCATION **Brooklyn, New York**	SHEET **1** OF **1**
CLIENT	**New York State Department of Environmental Conservation**		PROJECT No. **00266384.0000**
DRILLING CONTRACTOR	**LAWES**		MEAS. PT. ELEV.
PURPOSE	**Remedial Investigation**		GROUND ELEV.
WELL MATERIAL	**2" PVC**		DATUM
DRILLING METHOD(S)	**Direct-push**	SAMPLE / CORE / CASING	DATE STARTED **8/10/11**
DRILL RIG TYPE	**66DT**	TYPE	DATE FINISHED **8/10/11**
GROUND WATER DEPTH	'	DIA. **"**	DRILLER **S. Pedersen**
MEASURING POINT		WEIGHT **#**	PIRNIE STAFF **C. Goldsmith**
DATE OF MEASUREMENT		FALL **"**	

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
2								
4								
6								
8								
10								
12							11.0 13.0	
14							15.0	
16								
18								
20								
22								
24							25.0	

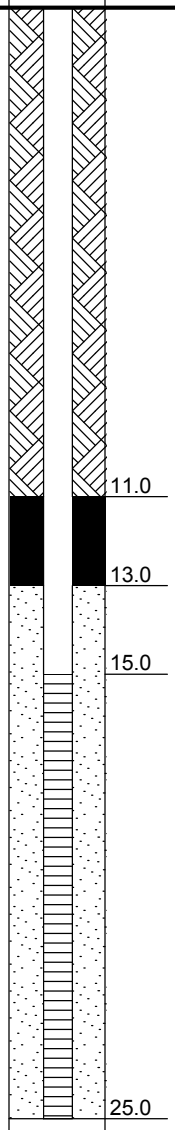
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TEST BORING LOG

BORING No.PZ-10

PROJECT	**Former Majestic Cleaners**	LOCATION **Brooklyn, New York**	SHEET **1** OF **1**
CLIENT	**New York State Department of Environmental Conservation**		PROJECT No. **00266384.0000**
DRILLING CONTRACTOR	**LAWES**		MEAS. PT. ELEV.
PURPOSE	**Remedial Investigation**		GROUND ELEV.
WELL MATERIAL	**2" PVC**		DATUM
DRILLING METHOD(S)	**Direct-push**	SAMPLE / CORE / CASING	DATE STARTED **8/10/11**
DRILL RIG TYPE	**66DT**	TYPE	DATE FINISHED **8/10/11**
GROUND WATER DEPTH	'	DIA. **"**	DRILLER **S. Pedersen**
MEASURING POINT		WEIGHT **#**	PIRNIE STAFF **C. Goldsmith**
DATE OF MEASUREMENT		FALL **"**	

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. / DEPTH	WELL Constr.	REMARKS
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								

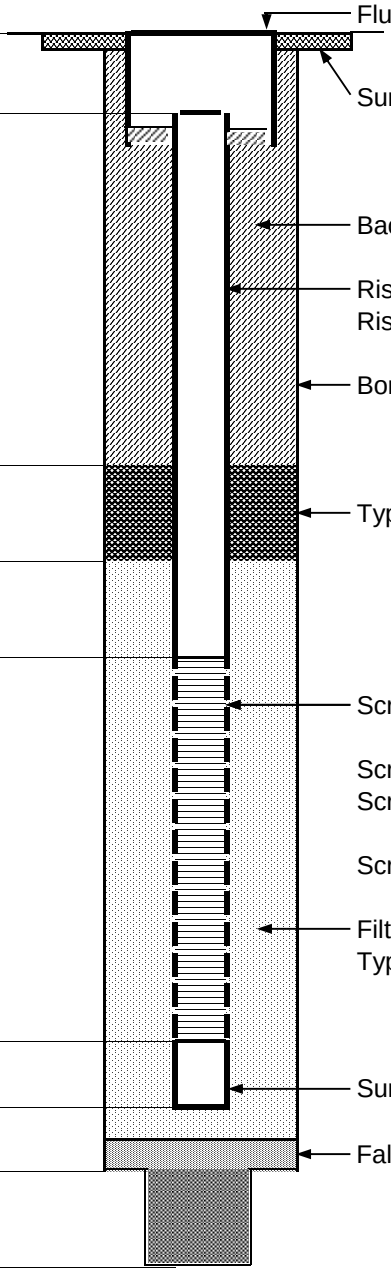


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OVERBURDEN WELL/PIEZOMETER PZ-11

Project:	Former Majestic Garment Cleaners Site #2-24-035	**Job Number:**	00266384.0000
Client:	NYSDEC	**Date:**	5/23/2012
Subcontractor:	LAWES		
Drilling Method:	Hollow stem Auger		
Development Method:	Peristaltic		
Measuring Point Type:	GROUND SURFACE		
Construction Dates:	5/23/2012 to 5/23/2012	**Elevation (ft):**	13.23

Item	Depth, below Measuring Point (ft)	Elevation (ft)
Grade	0.0	13.2
Riser Pipe	0.5	12.7
Top of Seal	36.0	-22.8
Top of Filter Pack	38.0	-24.8
Top of Screen	40.0	-26.8
Base of Screen	50.0	-36.8
End Cap	50.0	-36.8
Drilled Depth	50.0	-36.8
Total Depth	50.0	-36.8



Description	
Flushmount Diameter:	6 (in.)
Surface Seal Type:	Concrete
Backfill/Grout Type:	Cement-bentonite
Riser Pipe Type:	Schedule 40 PVC
Riser Pipe ID:	2 (in.)
Borehole Diameter:	6 1/4 (in.)
Type of Seal:	Bentonite Chips
Screen Type:	Schedule 40 PVC
Screen ID:	2 (in.)
Screen Slot Size:	0.01
Screen Length:	10 (ft)
Filter/Sand Pack Type:	# 2 Sand
Sump:	NA
Fallback/Backfill:	NA

Notes:

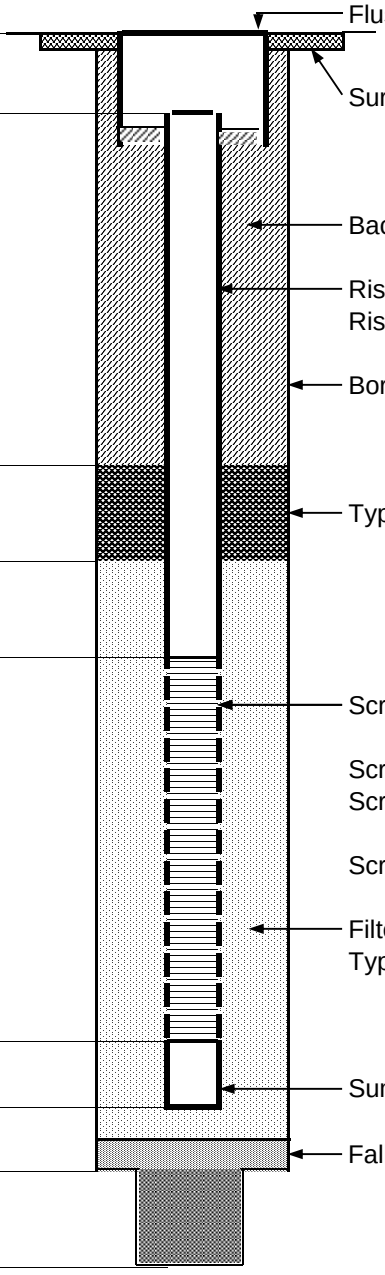
ARCADIS

OVERBURDEN WELL/PIEZOMETER PZ-12

Project:	Former Majestic Garment Cleaners Site #2-24-035	**Job Number:**	00266384.0000
Client:	NYSDEC	**Date:**	5/24/2012
Drilling Method:	Hollow stem Auger		
Development Method:	Peristaltic		
Construction Dates:	5/24/2012 to		5/24/2012

Subcontractor:	LAWES	
Measuring Point Type:	**GROUND SURFACE**	
Elevation (ft):	12.81	

Item	Depth, below Measuring Point (ft)	Elevation (ft)
Grade	0.0	12.8
Riser Pipe	0.5	12.3
Top of Seal	36.0	-23.2
Top of Filter Pack	38.0	-25.2
Top of Screen	40.0	-27.2
Base of Screen	50.0	-37.2
End Cap	50.0	-37.2
Drilled Depth	50.0	-37.2
Total Depth	50.0	-37.2



Description	
Flushmount Diameter:	6 (in.)
Surface Seal Type:	Concrete
Backfill/Grout Type:	Cement-bentonite
Riser Pipe Type:	Schedule 40 PVC
Riser Pipe ID:	2 (in.)
Borehole Diameter:	6 1/4 (in.)
Type of Seal:	Bentonite Chips
Screen Type:	Schedule 40 PVC
Screen ID:	2 (in.)
Screen Slot Size:	0.01
Screen Length:	10 (ft)
Filter/Sand Pack Type:	# 2 Sand
Sump:	NA
Fallback/Backfill:	NA

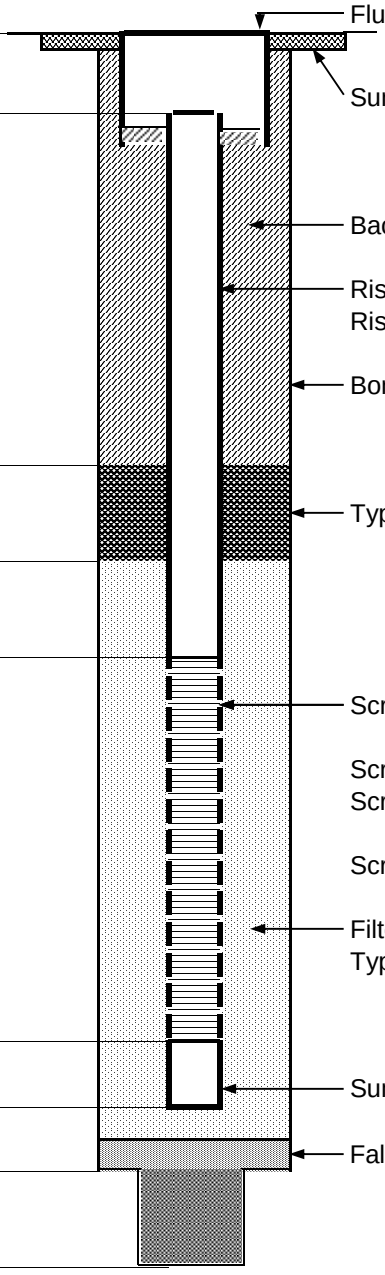
Notes:

ARCADIS

OVERBURDEN WELL/PIEZOMETER PZ-13

Project:	Former Majestic Garment Cleaners Site #2-24-035	**Job Number:**	00266384.0000
Client:	NYSDEC	**Date:**	5/29/2012
Drilling Method:	Hollow stem Auger		
Development Method:	Peristaltic		
Construction Dates:	5/29/2012 to 5/29/2012		
Subcontractor:	LAWES		
Measuring Point Type:	GROUND SURFACE		
Elevation (ft):	13.28		

Item	Depth, below Measuring Point (ft)	Elevation (ft)
Grade	0.0	13.3
Riser Pipe	0.5	12.8
Top of Seal	36.0	-22.7
Top of Filter Pack	38.0	-24.7
Top of Screen	40.0	-26.7
Base of Screen	50.0	-36.7
End Cap	50.0	-36.7
Drilled Depth	50.0	-36.7
Total Depth	50.0	-36.7



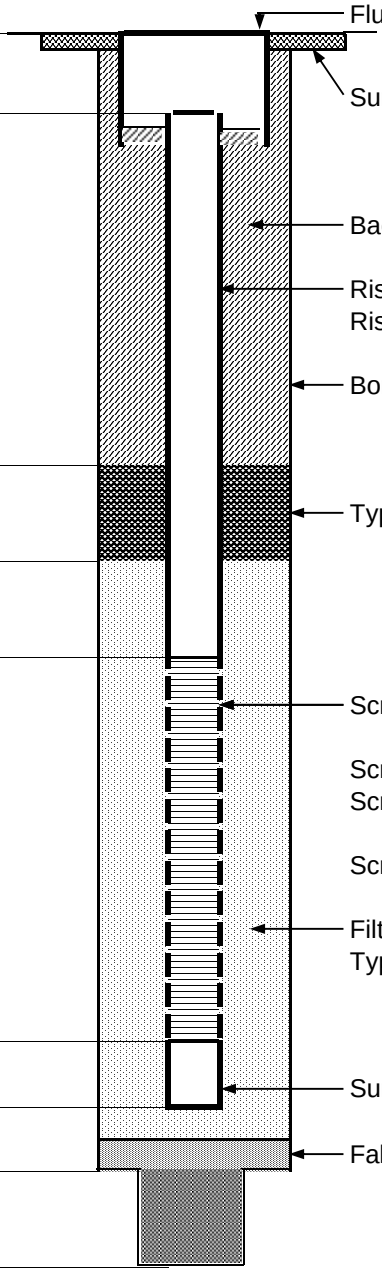
Description	
Flushmount Diameter:	6 (in.)
Surface Seal Type:	Concrete
Backfill/Grout Type:	Cement-bentonite
Riser Pipe Type:	Schedule 40 PVC
Riser Pipe ID:	2 (in.)
Borehole Diameter:	6 1/4 (in.)
Type of Seal:	Bentonite Chips
Screen Type:	Schedule 40 PVC
Screen ID:	2 (in.)
Screen Slot Size:	0.01
Screen Length:	10 (ft)
Filter/Sand Pack Type:	# 2 Sand
Sump:	NA
Fallback/Backfill:	NA

Notes:

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Project:	Former Majestic Garment Cleaners Site #2-24-035	**Job Number:** 00266384.0000	**OVERBURDEN WELL/PIEZOMETER** **PZ-14**
Client:	NYSDEC	**Date:** 5/30/2012	**Subcontractor:** LAWES
Drilling Method: Hollow stem Auger			**Measuring Point Type:** GROUND SURFACE
Development Method: Peristaltic			
Construction Dates:	5/30/2012 to 5/30/2012		**Elevation (ft):** 12.82

Item	Depth, below Measuring Point (ft)	Elevation (ft)
Grade	0.0	12.8
Riser Pipe	0.5	12.3
Top of Seal	11.0	1.8
Top of Filter Pack	13.0	-0.2
Top of Screen	15.0	-2.2
Base of Screen	25.0	-12.2
End Cap	25.0	-12.2
Drilled Depth	25.0	-12.2
Total Depth	25.0	-12.2



Description

Flushmount Diameter:	6 (in.)
Surface Seal Type:	Concrete
Backfill/Grout Type:	Cement-bentonite
Riser Pipe Type:	Schedule 40 PVC
Riser Pipe ID:	2 (in.)
Borehole Diameter:	6 1/4 (in.)
Type of Seal:	Bentonite Chips
Screen Type:	Schedule 40 PVC
Screen ID:	2 (in.)
Screen Slot Size:	0.01
Screen Length:	10 (ft)
Filter/Sand Pack Type:	# 2 Sand
Sump:	NA
Fallback/Backfill:	NA

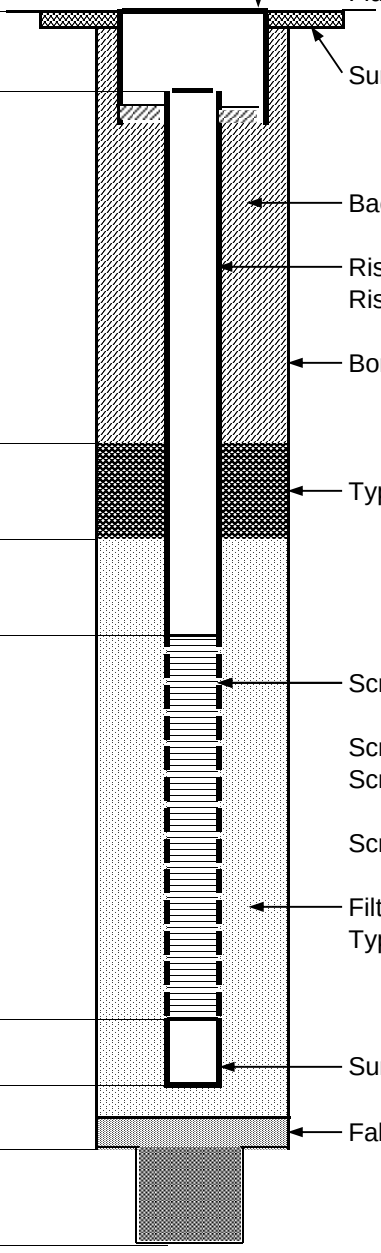
Notes:

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OVERBURDEN WELL/PIEZOMETER PZ-15

Project:	Former Majestic Garment Cleaners Site #2-24-035	**Job Number:** 00266384.0000	
Client:	NYSDEC	**Date:** 5/30/2012	**Subcontractor:** LAWES
Drilling Method:	Hollow stem Auger		**Measuring Point Type:** GROUND SURFACE
Development Method:	Peristaltic		
Construction Dates:	5/30/2012 to 5/30/2012		**Elevation (ft):** 13.19

Item	Depth, below Measuring Point (ft)	Elevation (ft)
Grade	0.0	13.2
Riser Pipe	0.5	12.7
Top of Seal	36.0	-22.8
Top of Filter Pack	38.0	-24.8
Top of Screen	40.0	-26.8
Base of Screen	50.0	-36.8
End Cap	50.0	-36.8
Drilled Depth	50.0	-36.8
Total Depth	50.0	-36.8



Description	
Flushmount Diameter:	6 (in.)
Surface Seal Type:	Concrete
Backfill/Grout Type:	Cement-bentonite
Riser Pipe Type:	Schedule 40 PVC
Riser Pipe ID:	2 (in.)
Borehole Diameter:	6 1/4 (in.)
Type of Seal:	Bentonite Chips
Screen Type:	Schedule 40 PVC
Screen ID:	2 (in.)
Screen Slot Size:	0.01
Screen Length:	10 (ft)
Filter/Sand Pack Type:	# 2 Sand
Sump:	NA
Fallback/Backfill:	NA

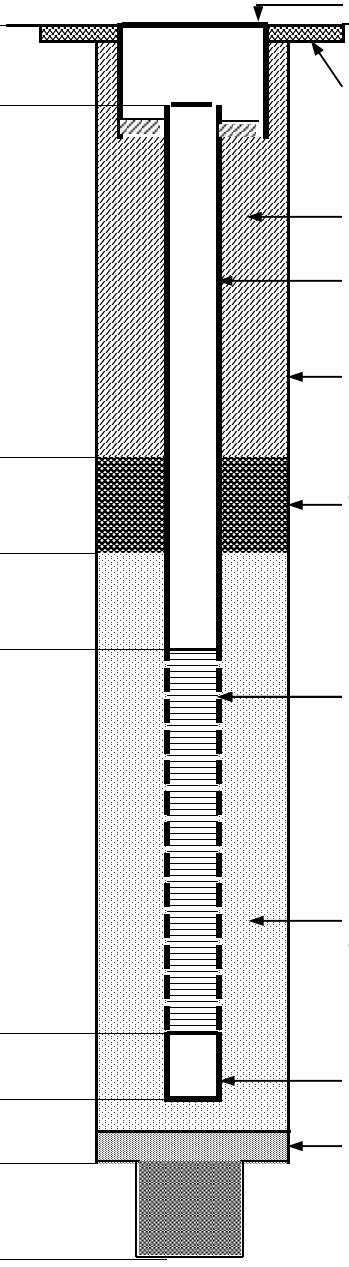
Notes:

ARCADIS

OVERBURDEN WELL/PIEZOMETER PZ-16

Project:	Former Majestic Garment Cleaners Site #2-24-035	**Job Number:**	00266384.0000
Client:	NYSDEC	**Date:**	5/31/2012
Drilling Method:	Hollow stem Auger		
Development Method:	Peristaltic		
Construction Dates:	5/31/2012 to 5/31/2012		
Subcontractor:	LAWES		
Measuring Point Type:	GROUND SURFACE		
Elevation (ft):	13.49		

Item	Depth, below Measuring Point (ft)	Elevation (ft)
Grade	0.0	13.5
Riser Pipe	0.5	13.0
Top of Seal	36.0	-22.5
Top of Filter Pack	38.0	-24.5
Top of Screen	40.0	-26.5
Base of Screen	50.0	-36.5
End Cap	50.0	-36.5
Drilled Depth	50.0	-36.5
Total Depth	50.0	-36.5



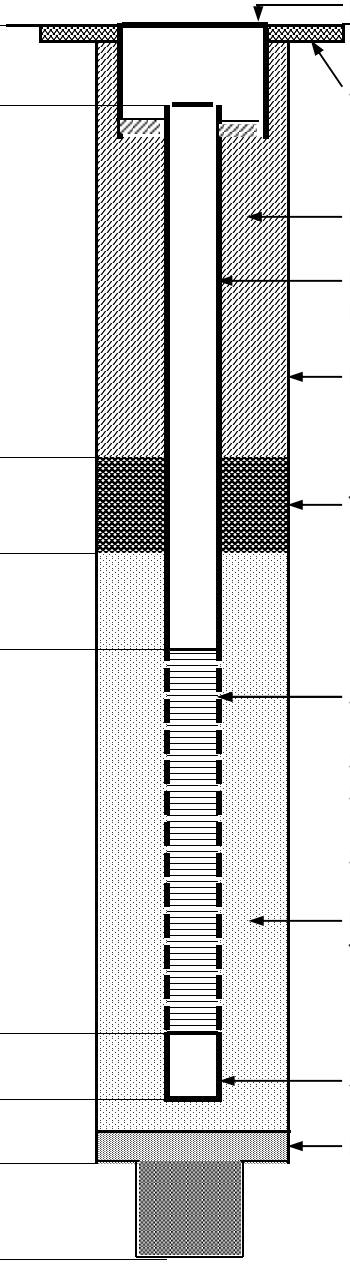
Description	
Flushmount Diameter:	6 (in.)
Surface Seal Type:	Concrete
Backfill/Grout Type:	Cement-bentonite
Riser Pipe Type:	Schedule 40 PVC
Riser Pipe ID:	2 (in.)
Borehole Diameter:	6 1/4 (in.)
Type of Seal:	Bentonite Chips
Screen Type:	Schedule 40 PVC
Screen ID:	2 (in.)
Screen Slot Size:	0.01
Screen Length:	10 (ft)
Filter/Sand Pack Type:	# 2 Sand
Sump:	NA
Fallback/Backfill:	NA

Notes:

ARCADIS

Project:	Former Majestic Garment Cleaners Site #2-24-035	**Job Number:** 00266384.0000	**OVERBURDEN WELL/PIEZOMETER SVE-1**
Client:	NYSDEC	**Date:** 6/1/2012	**Subcontractor:** LAWES
Drilling Method: Hollow stem Auger			**Measuring Point Type:** GROUND SURFACE
Development Method: Peristaltic			
Construction Dates:	6/1/2012 to 6/1/2012		**Elevation (ft):** 13.34

Item	Depth, below Measuring Point (ft)	Elevation (ft)
Grade	0.0	13.3
Riser Pipe	0.5	12.8
Top of Seal	1.0	12.3
Top of Filter Pack	2.0	11.3
Top of Screen	3.0	10.3
Base of Screen	8.0	5.3
End Cap	8.0	5.3
Drilled Depth	8.0	5.3
Total Depth	8.0	5.3



Description	
Flushmount Diameter:	6 (in.)
Surface Seal Type:	Concrete
Backfill/Grout Type:	Portland Cement
Riser Pipe Type:	Schedule 40 PVC
Riser Pipe ID:	4 (in.)
Borehole Diameter:	6 1/4 (in.)
Type of Seal:	Bentonite Chips
Screen Type:	Schedule 40 PVC
Screen ID:	4 (in.)
Screen Slot Size:	0.01
Screen Length:	5 (ft)
Filter/Sand Pack Type:	# 2 Sand
Sump:	NA
Fallback/Backfill:	NA

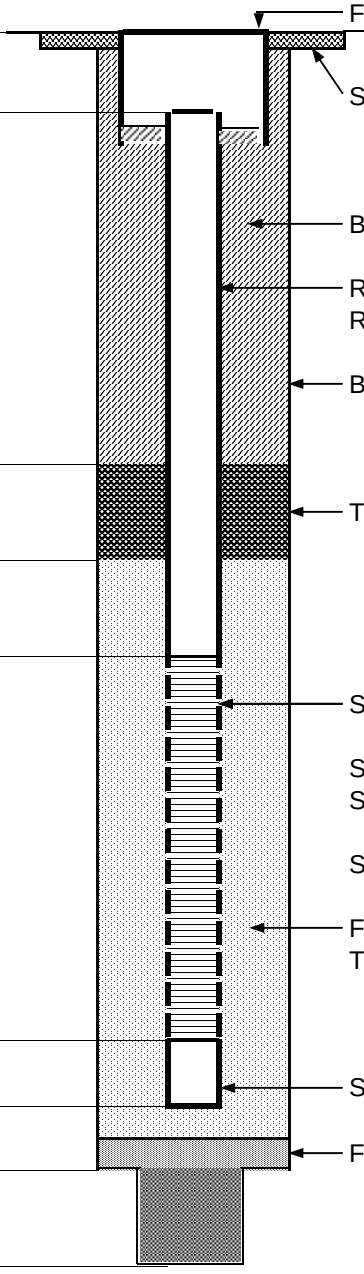
Notes:

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OVERBURDEN WELL/PIEZOMETER AS-1

Project:	Former Majestic Garment Cleaners Site #2-24-035	**Job Number:** 00266384.0000	
Client:	NYSDEC	**Date:** 6/1/2012	**Subcontractor:** LAWES
Drilling Method:	Hollow stem Auger		**Measuring Point Type:** GROUND SURFACE
Development Method:	Peristaltic		
Construction Dates:	6/1/2012 to 6/1/2012		**Elevation (ft):** 13.35

Item	Depth, below Measuring Point (ft)	Elevation (ft)
Grade	0.0	13.4
Riser Pipe	0.5	12.9
Top of Seal	24.0	-10.7
Top of Filter Pack	26.0	-12.7
Top of Screen	28.0	-14.7
Base of Screen	30.0	-16.7
End Cap	30.0	-16.7
Drilled Depth	30.0	-16.7
Total Depth	30.0	-16.7



Description	
Flushmount Diameter:	4 (in.)
Surface Seal Type:	Concrete
Backfill/Grout Type:	Cement-bentonite
Riser Pipe Type:	Schedule 40 PVC
Riser Pipe ID:	1.5 (in.)
Borehole Diameter:	6 1/4 (in.)
Type of Seal:	Bentonite Chips
Screen Type:	Schedule 40 PVC
Screen ID:	1.5 (in.)
Screen Slot Size:	0.01
Screen Length:	2 (ft)
Filter/Sand Pack Type:	# 2 Sand
Sump:	NA
Fallback/Backfill:	NA

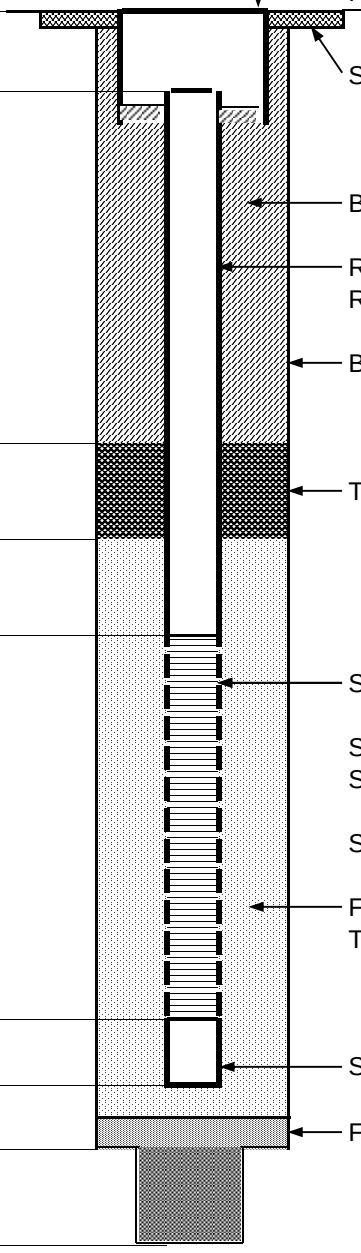
Notes:

ARCADIS

OVERBURDEN WELL/PIEZOMETER AS/SVE-2

Project:	Former Majestic Garment Cleaners Site #2-24-035	**Job Number:**	00266384.0000
Client:	NYSDEC	**Date:**	6/1/2012
Subcontractor:	LAWES		
Drilling Method:	Hollow stem Auger		
Development Method:	Peristaltic		
Construction Dates:	6/1/2012 to 6/1/2012		
Measuring Point Type:	GROUND SURFACE		
Elevation (ft):	13.43		

Item	Depth, below Measuring Point (ft)	Elevation (ft)
Grade	0.0	13.4
Riser Pipe	0.5	12.9
Top of Seal	2.0	11.4
Top of Filter Pack	4.0	9.4
Top of Screen	5.0	8.4
Base of Screen	15.0	-1.6
End Cap	15.0	-1.6
Drilled Depth	15.0	-1.6
Total Depth	15.0	-1.6



Description	
Flushmount Diameter:	4 (in.)
Surface Seal Type:	Concrete
Backfill/Grout Type:	Portland Cement
Riser Pipe Type:	Schedule 40 PVC
Riser Pipe ID:	1.5 (in.)
Borehole Diameter:	6 1/4 (in.)
Type of Seal:	Bentonite Chips
Screen Type:	Schedule 40 PVC
Screen ID:	1.5 (in.)
Screen Slot Size:	0.01
Screen Length:	10 (ft)
Filter/Sand Pack Type:	# 2 Sand
Sump:	NA
Fallback/Backfill:	NA

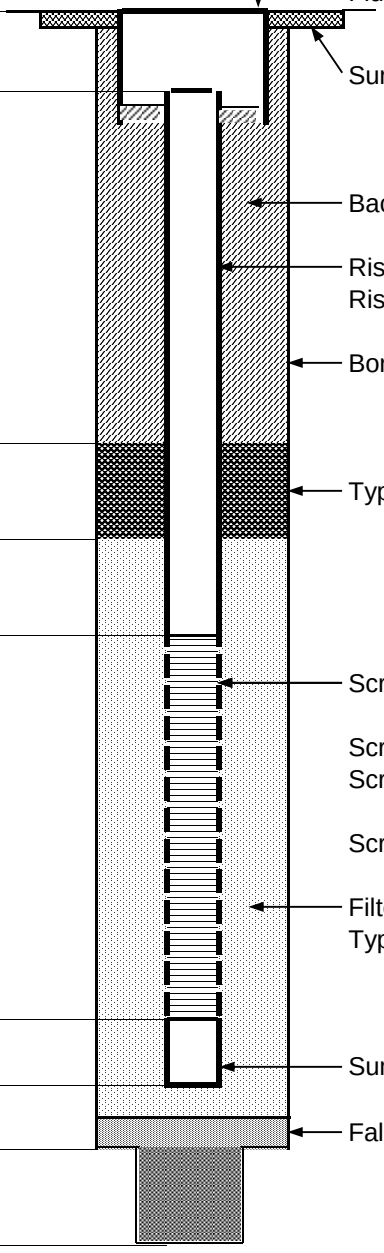
Notes:

ARCADIS

OVERBURDEN WELL/PIEZOMETER AS/SVE-3

Project:	Former Majestic Garment Cleaners Site #2-24-035	**Job Number:**	00266384.0000
Client:	NYSDEC	**Date:**	6/1/2012
Subcontractor:	LAWES		
Drilling Method:	Hollow stem Auger		
Development Method:	Peristaltic		
Construction Dates:	6/1/2012 to 6/1/2012		
Measuring Point Type:	GROUND SURFACE		
Elevation (ft):	13.41		

Item	Depth, below Measuring Point (ft)	Elevation (ft)
Grade	0.0	13.4
Riser Pipe	0.5	12.9
Top of Seal	2.0	11.4
Top of Filter Pack	4.0	9.4
Top of Screen	5.0	8.4
Base of Screen	15.0	-1.6
End Cap	15.0	-1.6
Drilled Depth	15.0	-1.6
Total Depth	15.0	-1.6



Description	
Flushmount Diameter:	4 (in.)
Surface Seal Type:	Concrete
Backfill/Grout Type:	Portland Cement
Riser Pipe Type:	Schedule 40 PVC
Riser Pipe ID:	1.5 (in.)
Borehole Diameter:	6 1/4 (in.)
Type of Seal:	Bentonite Chips
Screen Type:	Schedule 40 PVC
Screen ID:	1.5 (in.)
Screen Slot Size:	0.01
Screen Length:	10 (ft)
Filter/Sand Pack Type:	# 2 Sand
Sump:	NA
Fallback/Backfill:	NA

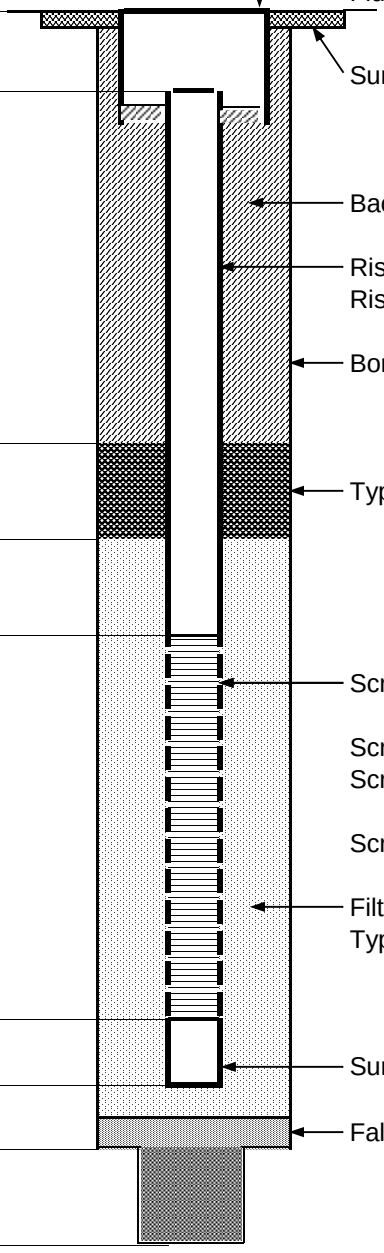
Notes:

ARCADIS

OVERBURDEN WELL/PIEZOMETER AS/SVE-4

Project:	Former Majestic Garment Cleaners Site #2-24-035	**Job Number:**	00266384.0000
Client:	NYSDEC	**Date:**	6/1/2012
Subcontractor:	LAWES		
Drilling Method:	Hollow stem Auger		
Development Method:	Peristaltic		
Measuring Point Type:	GROUND SURFACE		
Construction Dates:	6/1/2012 to 6/1/2012	**Elevation (ft):**	13.46

Item	Depth, below Measuring Point (ft)	Elevation (ft)
Grade	0.0	13.5
Riser Pipe	0.5	13.0
Top of Seal	2.0	11.5
Top of Filter Pack	4.0	9.5
Top of Screen	5.0	8.5
Base of Screen	15.0	-1.5
End Cap	15.0	-1.5
Drilled Depth	15.0	-1.5
Total Depth	15.0	-1.5



Description	
Flushmount Diameter:	4 (in.)
Surface Seal Type:	Concrete
Backfill/Grout Type:	Portland Cement
Riser Pipe Type:	Schedule 40 PVC
Riser Pipe ID:	1.5 (in.)
Borehole Diameter:	6 1/4 (in.)
Type of Seal:	Bentonite Chips
Screen Type:	Schedule 40 PVC
Screen ID:	1.5 (in.)
Screen Slot Size:	0.01
Screen Length:	10 (ft)
Filter/Sand Pack Type:	# 2 Sand
Sump:	NA
Fallback/Backfill:	NA

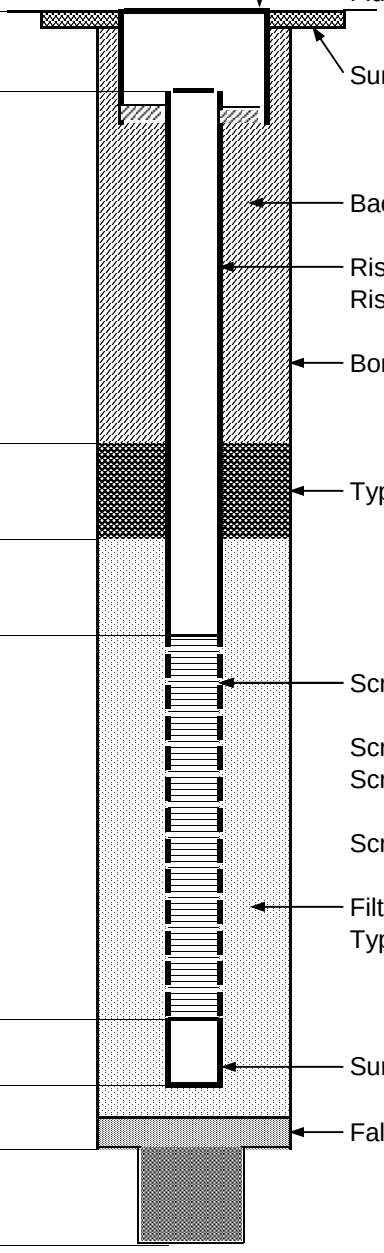
Notes:

ARCADIS

OVERBURDEN WELL/PIEZOMETER AS/SVE-5

Project:	Former Majestic Garment Cleaners Site #2-24-035	**Job Number:**	00266384.0000
Client:	NYSDEC	**Date:**	6/4/2012
Subcontractor:	LAWES		
Drilling Method:	Hollow stem Auger		
Development Method:	Peristaltic	**Measuring Point Type:**	GROUND SURFACE
Construction Dates:	6/4/2012 to 6/4/2012	**Elevation (ft):**	13.43

Item	Depth, below Measuring Point (ft)	Elevation (ft)
Grade	0.0	13.4
Riser Pipe	0.5	12.9
Top of Seal	2.0	11.4
Top of Filter Pack	4.0	9.4
Top of Screen	5.0	8.4
Base of Screen	15.0	-1.6
End Cap	15.0	-1.6
Drilled Depth	15.0	-1.6
Total Depth	15.0	-1.6



Description	
Flushmount Diameter:	4 (in.)
Surface Seal Type:	Concrete
Backfill/Grout Type:	Portland Cement
Riser Pipe Type:	Schedule 40 PVC
Riser Pipe ID:	1.5 (in.)
Borehole Diameter:	6 1/4 (in.)
Type of Seal:	Bentonite Chips
Screen Type:	Schedule 40 PVC
Screen ID:	1.5 (in.)
Screen Slot Size:	0.01
Screen Length:	10 (ft)
Filter/Sand Pack Type:	# 2 Sand
Sump:	NA
Fallback/Backfill:	NA

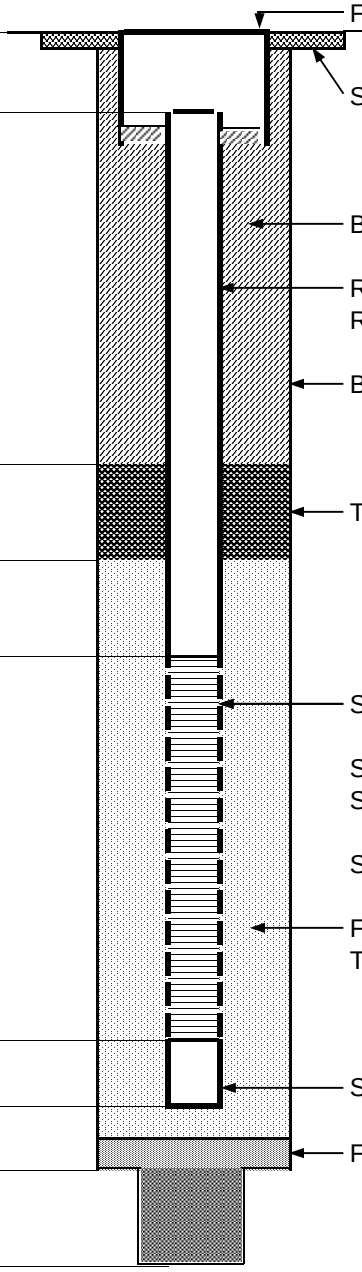
Notes:

ARCADIS

OVERBURDEN WELL/PIEZOMETER AS/SVE-6

Project:	Former Majestic Garment Cleaners Site #2-24-035	**Job Number:**	00266384.0000
Client:	NYSDEC	**Date:**	6/4/2012
Subcontractor:	LAWES		
Drilling Method:	Hollow stem Auger		
Development Method:	Peristaltic	**Measuring Point Type:**	GROUND SURFACE
Construction Dates:	6/4/2012 to 6/4/2012	**Elevation (ft):**	13.55

Item	Depth, below Measuring Point (ft)	Elevation (ft)
Grade	0.0	13.6
Riser Pipe	0.5	13.1
Top of Seal	2.0	11.6
Top of Filter Pack	4.0	9.6
Top of Screen	5.0	8.6
Base of Screen	15.0	-1.5
End Cap	15.0	-1.5
Drilled Depth	15.0	-1.5
Total Depth	15.0	-1.5



Description	
Flushmount Diameter:	4 (in.)
Surface Seal Type:	Concrete
Backfill/Grout Type:	Portland Cement
Riser Pipe Type:	Schedule 40 PVC
Riser Pipe ID:	1.5 (in.)
Borehole Diameter:	6 1/4 (in.)
Type of Seal:	Bentonite Chips
Screen Type:	Schedule 40 PVC
Screen ID:	1.5 (in.)
Screen Slot Size:	0.01
Screen Length:	10 (ft)
Filter/Sand Pack Type:	# 2 Sand
Sump:	NA
Fallback/Backfill:	NA

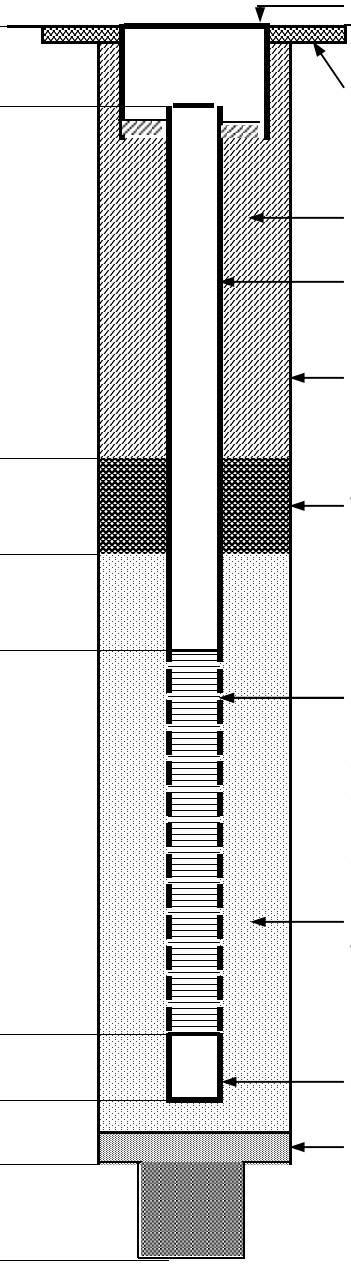
Notes:

ARCADIS

OVERBURDEN WELL/PIEZOMETER AS/SVE-7

Project:	Former Majestic Garment Cleaners Site #2-24-035	**Job Number:**	00266384.0000
Client:	NYSDEC	**Date:**	6/4/2012
Drilling Method:	Hollow stem Auger		
Development Method:	Peristaltic		
Construction Dates:	6/4/2012 to 6/4/2012		
Subcontractor:	LAWES		
Measuring Point Type:	GROUND SURFACE		
Elevation (ft):	13.79		

Item	Depth, below Measuring Point (ft)	Elevation (ft)
Grade	0.0	13.8
Riser Pipe	0.5	13.3
Top of Seal	2.0	11.8
Top of Filter Pack	4.0	9.8
Top of Screen	5.0	8.8
Base of Screen	15.0	-1.2
End Cap	15.0	-1.2
Drilled Depth	15.0	-1.2
Total Depth	15.0	-1.2



Description	
Flushmount Diameter:	4 (in.)
Surface Seal Type:	Concrete
Backfill/Grout Type:	Portland Cement
Riser Pipe Type:	Schedule 40 PVC
Riser Pipe ID:	1.5 (in.)
Borehole Diameter:	6 1/4 (in.)
Type of Seal:	Bentonite Chips
Screen Type:	Schedule 40 PVC
Screen ID:	1.5 (in.)
Screen Slot Size:	0.01
Screen Length:	10 (ft)
Filter/Sand Pack Type:	# 2 Sand
Sump:	NA
Fallback/Backfill:	NA

Notes:

Appendix C

Groundwater Purge Logs

MALCOLM PIRNIE

WELL DEVELOPMENT/ PURGING LOG

WELL NUMBER: MW-1 **DATE:** 10/19/10

PROJECT NAME: Former Majestic Garment Cleaners

PROJECT NUMBER: 0266384

SAMPLERS: SB

A: Total Casing and Screen Length: 22.09

B: Casing Internal Diameter: 1"

C: Water Level Below Top of Casing: 9.81'

D: Volume of Water in Casing: 0.49 GAL

$v = 0.0408 (B)^2 \times (A-C) = D$

v = 0.0408 ( )² x (-) = _____ gal.

Well I.D.	Vol. Gal./ft.
1"	0.04
2"	0.17
3"	0.38
4"	0.66
5"	1.04
6"	1.50
8"	2.60

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	1020	1025	1030	1035	1040	1045	1050					
Gallons	0						2					
Well Volume												
Depth to Water (ft.)												
pH		6.74	6.75	6.76	6.76	6.78	6.78					
Conductivity (mohm/cm)		1.78	1.76	1.75	1.71	1.72	1.73					
Turbidity		80.3	73.1	89.9	88.6	84.0	85.3					
Dissolved Oxygen		0.19	0.00	0.00	0.00	0.00	0.00					
Temperature (°C)		18.42	18.43	18.38	18.44	18.35	18.37					
Salinity		0.1	0.1	0.1	0.1	0.1	0.1					
TDS		1.1	1.1	1.1	1.1	1.1	1.1					
REDOX (mV)		141	137	135	134	131	130					

Notes: 1020- BEGIN PURGING W/ PERISTALTIC PUMP; ABUNDANT SILT

1050 - COLLECT SAMPLES FOR VOCs & SVOCs + DUPLICATE MW-X

MALCOLM PIRNIE

WELL DEVELOPMENT/ PURGING LOG

WELL NUMBER: MW-3 DATE: 10/19/10

PROJECT NAME: Former Majestic Garment Cleaners

PROJECT NUMBER: 0266384

SAMPLERS: SB

A: Total Casing and Screen Length: 22.14

B: Casing Internal Diameter: 1"

C: Water Level Below Top of Casing: 10.71'

D: Volume of Water in Casing: _____

$v = 0.0408 (B)^2 \times (A-C) = D$

v = 0.0408 ( )² x (-) = _____ gal.

Well I.D.	Vol. Gal./ft.
1"	0.04
2"	0.17
3"	0.38
4"	0.66
5"	1.04
6"	1.50
8"	2.60

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	1125	1140	1145	1150	1155	1200	1205	1210	1215			
Gallons	0								2			
Well Volume												
Depth to Water (ft.)												
pH		6.83	6.65	6.62	6.62	6.61	6.60	6.60	6.60			
Conductivity (mohm/cm)		1.61	1.60	1.59	1.59	1.58	1.57	1.57	1.57			
Turbidity		125	69.6	69.0	65.3	58.6	38.9	36.6	35.9			
Dissolved Oxygen		7.53	0.12	0.00	0.00	0.00	0.00	0.00	0.00			
Temperature (°C)		19.78	19.85	19.75	19.72	19.66	19.68	19.68	19.68			
Salinity		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
TDS		1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0			
REDOX (mV)		87	87	87	94	91	83	80	79			

Notes: 1125- BEGIN PURGIN w/ PERISTALTIC PUMP ; ABUNDANT SILT.
1215- COLLECT SAMPLES FOR VOCs + SVOCs + MS/MSD.

MALCOLM PIRNIE

WELL DEVELOPMENT/ PURGING LOG

WELL NUMBER: PZ-1 DATE: 3/22/11

PROJECT NAME: Former Majestic Cleaners

PROJECT NUMBER: 00266384.0000

SAMPLERS: SB

A: Total Casing and Screen Length: 23.11'

B: Casing Internal Diameter: 1"

C: Water Level Below Top of Casing: 9.65'

D: Volume of Water in Casing: _____

v = 0.0408 (B)^2 x (A-C) = D

v = 0.0408 ( )^2 x (-) = _____ gal.

Well I.D.	Vol. Gal./ft.
1"	0.04
2"	0.17
3"	0.38
4"	0.66
5"	1.04
6"	1.50
8"	2.60

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	0950	1000	1005	1010	1015	1020	1025	1030				
Gallons	0					2		2.5				
Well Volume												
Depth to Water (ft.)												
pH	6.93	6.64	6.51	6.49	6.48	6.47	6.46	6.46				
Conductivity (mohm/cm)	1.89	1.80	1.73	1.72	1.71	1.70	1.70	1.69				
Turbidity	28.9	19.8	6.0	6.2	3.2	1.4	0.5	0.6				
Dissolved Oxygen	3.84	1.15	0.05	0.00	0.00	0.00	0.00	0.00				
Temperature (°C)	15.09	15.53	15.71	15.76	15.87	15.91	15.98	15.92				
Salinity	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05				
TDS	1.20	1.15	1.11	1.10	1.09	1.09	1.09	1.08				
REDOX (mV)	14	14	5	4	3	1	1	1				

Notes: 0950- BEGIN PURGING w/ PERISTALTIC

1030- COLLECT SAMPLES FOR VOCs & SVOCs.

MALCOLM PIRNIE

WELL DEVELOPMENT/ PURGING LOG

WELL NUMBER: PZ-3 DATE: 3/23/11

PROJECT NAME: Former Majestic Cleaners

PROJECT NUMBER: 00266384.0000

SAMPLERS: SB

A: Total Casing and Screen Length: 23.34'

B: Casing Internal Diameter: 1"

C: Water Level Below Top of Casing: 10.51'

D: Volume of Water in Casing: _____

$v = 0.0408 (B)^2 \times (A-C) = D$

v = 0.0408 ( )^2 x (-) = _____ gal.

Well I.D.	Vol. Gal./ft.
1"	0.04
2"	0.17
3"	0.38
4"	0.66
5"	1.04
6"	1.50
8"	2.60

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	0825	0835	0840	0845	0850	0855	0900	0905	0910			
Gallons	0				1.5				2.5			
Well Volume												
Depth to Water (ft.)												
pH	7.34	6.34	6.24	6.20	6.17	6.15	6.13	6.12	6.12			
Conductivity (mohm/cm)	0.978	0.951	0.952	0.963	0.969	0.971	0.969	0.965	0.964			
Turbidity	153	45.5	20.9	18.6	16.5	13.7	10.6	9.4	9.1			
Dissolved Oxygen	7.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Temperature (°C)	11.48	13.86	13.99	14.10	14.15	14.25	14.25	14.31	14.30			
Salinity	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03			
TDS	0.629	0.609	0.610	0.617	0.621	0.623	0.624	0.624	0.617			
REDOX (mV)	159	165	159	160	161	160	156	150	150			

Notes: 0825- BEGIN PURGING W/ PERISTALTIC.

0910- COLLECT SAMPLES FOR VOCs + SVOCs + DUPLICATE PZ-X.

MALCOLM PIRNIE

WELL DEVELOPMENT/ PURGING LOG

WELL NUMBER: PZ-4R DATE: 3/24/11

PROJECT NAME: Former Majestic Cleaners

PROJECT NUMBER: 00266384.0000

SAMPLERS: SB

A: Total Casing and Screen Length: 24.81'

B: Casing Internal Diameter: 2"

C: Water Level Below Top of Casing: 11.07'

D: Volume of Water in Casing: 2.3 GAL

$v = 0.0408 (B)^2 \times (A-C) = D$

v = 0.0408 ( )² x (-) = _____ gal.

Well I.D.	Vol. Gal./ft.
1"	0.04
2"	0.17
3"	0.38
4"	0.66
5"	1.04
6"	1.50
8"	2.60

PARAMETER	ACCUMULATED VOLUME PURGED												
Time	1240	1305	1315	1320	1325	1330	1335						
Gallons	0	5					7.5						
Well Volume													
Depth to Water (ft.)													
pH			6.48	6.44	6.44	6.44	6.44						
Conductivity (mohm/cm)			0.498	0.491	1.01	1.01	1.01						
Turbidity			33.3	0.0	0.0	0.0	0.0						
Dissolved Oxygen			4.40	0.00	0.00	0.00	0.00						
Temperature (°C)			15.90	15.69	15.56	15.59	15.58						
Salinity			0.03	0.03	0.03	0.03	0.03						
TDS			0.637	0.634	0.646	0.649	0.646						
REDOX (mV)			-237	-240	-241	-242	-241						

Notes: 1240- BEGIN PURGING. PETRO ODORS, SLIGHT SHEEN ON WATER.
1335- COLLECT SAMPLES FOR VOCs & SVOCs.

MALCOLM PIRNIE

WELL DEVELOPMENT/ PURGING LOG

WELL NUMBER: PZ-5 DATE: 3/24/11

PROJECT NAME: Former Majestic Cleaners
PROJECT NUMBER: 00266384.0000
SAMPLERS: SB

A: Total Casing and Screen Length: 24.94'

B: Casing Internal Diameter: 2"

C: Water Level Below Top of Casing: 9.14'

D: Volume of Water in Casing: 2.7 GAL

v = 0.0408 $(B)^2$ x (A-C) = D

v = 0.0408 ( )^2 x (-) = _____ gal.

Well I.D.	Vol. Gal./ft.
1"	0.04
2"	0.17
3"	0.38
4"	0.66
5"	1.04
6"	1.50
8"	2.60

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	0810	0835	0905	0945	0955	1000	1005	1010	1015	1020		
Gallons	0	5	10	13				15		16		
Well Volume												
Depth to Water (ft.)												
pH			6.62	6.60	6.43	6.39	6.35	6.35	6.33	6.33		
Conductivity (mohm/cm)			1.08	1.18	1.18	1.18	1.18	1.18	1.18	1.18		
Turbidity			95.7	270	124	61.8	22.1	19.8	15.7	19.1		
Dissolved Oxygen			5.23	8.03	5.39	4.77	4.65	4.68	4.58	4.67		
Temperature (°C)			10.36	9.87	11.51	11.77	12.07	12.15	12.17	12.18		
Salinity			0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03		
TDS			0.694	0.754	0.759	0.761	0.755	0.755	0.767	0.766		
REDOX (mV)			-140	-73	-97	-108	-115	-114	-113	-113		

Notes: 0810 - BEGIN PURGING.
1020 - COLLECT SAMPLES FOR VOCs, SVOCs + MS/MSD.

MALCOLM PIRNIE

WELL DEVELOPMENT/ PURGING LOG

WELL NUMBER: PZ-6 DATE: 3/24/11

PROJECT NAME: Former Majestic Cleaners

PROJECT NUMBER: 00266384.0000

SAMPLERS: SB

A: Total Casing and Screen Length: 24.93'

B: Casing Internal Diameter: 2"

C: Water Level Below Top of Casing: 10.35'

D: Volume of Water in Casing: 2.5 GAL

v = 0.0408 $(B)^2$ x (A-C) = D

v = 0.0408 ( )^2 x (-) = _____ gal.

Well I.D.	Vol. Gal./ft.
1"	0.04
2"	0.17
3"	0.38
4"	0.66
5"	1.04
6"	1.50
8"	2.60

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	1050	1110	1125	1130	1135	1140	1145	1155	1200	1205		
Gallons	0	5	10			15				19		
Well Volume												
Depth to Water (ft.)												
pH			6.40	6.26	6.24	6.23	6.23	6.23	6.22	6.23		
Conductivity (mohm/cm)			0.820	0.830	0.835	0.847	0.845	0.855	0.850	0.851		
Turbidity			57.3	100	45.9	34.3	42.0	9.7	11.8	6.3		
Dissolved Oxygen			3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Temperature (°C)			17.65	18.17	18.24	18.19	18.08	18.11	18.12	18.05		
Salinity			0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02		
TDS			0.526	0.531	0.534	0.541	0.540	0.547	0.544	0.544		
REDOX (mV)			-267	-363	-362	-358	-349	-345	-343	-336		

Notes: 1050- BEGIN PURGING

1205- COLLECTS SAMPLES FOR VOCs & SVOCs.

MALCOLM PIRNIE

~~FORMER SYLVANIA ELECTRIC PRODUCTS FACILITY~~

~~LOW FLOW GROUNDWATER SAMPLING PURGE RECORD~~

DATE: 8/11/11 WELL OWNER: _____ WELL ID: P2-7

SAMPLERS: C. Goldsmith, S. Bagnato DEPTH OF PUMP INTAKE: 20 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Sunny, ~85°F SCREENED/OPEN BOREHOLE INTERVAL: 25-15 ft TIC or ft BGS (circle one)

SAMPLE ID: P2-7 SAMPLE TIME (start/finish): 1050 SAMPLE FLOW RATE: _____ ml/min

PUMP TYPE: Peristaltic WQ Instrument (complete and or circle at right): YSI Model # _____ Horiba Model # U-52

Other (specify): _____

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	PH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10%)	TURBIDITY (± 10%)
24 - Hour	gallons / liters (circle one)	ft TIC / ft BGS (circle one)	Units: ml/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm^c/ or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1010	.5				6.87	1.41	0.37	17.01	-212	>800
1015	1.5				6.95	1.48	0.00	15.76	-282	600
1020	2.5				6.94	1.50	0.00	15.74	-292	355
1025	3.5				6.96	1.51	0.00	15.69	-283	168
1030	4.5				6.95	1.51	0.00	15.72	-265	94.9
1035	5.5				6.93	1.52	0.00	15.71	-252	57.1
1040	6.5				6.93	1.53	0.00	15.79	-247	40.9
1045	7.5				6.93	1.54	0.00	15.82	-244	41.5

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes.
The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

Notes: MS/MSD Collected

MALCOLM PIRNIE

FORMER SYLVANIA ELECTRIC PRODUCTS FACILITY
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 8/11/11 WELL OWNER: _____ WELL ID: P2-8

SAMPLERS: C. Goldsmith, S. Bagneto DEPTH OF PUMP INTAKE: 20 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Sunny, ~85°F SCREENED/OPEN BOREHOLE INTERVAL: 25-15 ft TIC or ft BGS (circle one)

SAMPLE ID: P2-8 SAMPLE TIME (start/finish): 1145 SAMPLE FLOW RATE: _____ ml/min

PUMP TYPE: Peristaltic WQ Instrument (complete and or circle at right): YSI Model # _____ Horiba Model # U-52

Other (specify): _____

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	PH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10%)	TURBIDITY (± 10%)
24 - Hour	gallons / liters (circle one)	ft TIC / ft BGS (circle one)	Units: ml/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm[c]/ or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1105	.5				10.06	.222	11.35	17.53	-7	59.3
1110	1.5				7.61	1.44	1.85	15.61	-89	117
1115	2.5				7.12	1.36	0.72	15.21	-128	45.3
1120	3.5				7.07	1.40	0.39	15.35	-168	46.0
1125	4.5				7.00	1.45	0.71	15.18	-145	25.6
1130	5.5				7.02	1.47	0.03	15.13	-183	5.7
1135	6.5				6.99	1.46	0.00	15.06	-178	6.9
1140	7.5				6.98	1.47	0.00	15.07	-172	7.5

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes.
The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

Notes: _____

MALCOLM PIRNIE

~~FORMER SYLVANIA ELECTRIC PRODUCTS FACILITY~~
~~LOW-FLOW GROUNDWATER SAMPLING PURGE RECORD~~

DATE: 8/11/11 WELL OWNER: _____ WELL ID: P2-9

SAMPLERS: C. Goldsmith, S. Bagneto DEPTH OF PUMP INTAKE: 20 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Sunny, ~85°F SCREENED/OPEN BOREHOLE INTERVAL: 15-25 ft TIC or ft BGS (circle one)

SAMPLE ID: P2-9 SAMPLE TIME (start/finish): 0855 SAMPLE FLOW RATE: _____ ml/min

PUMP TYPE: Peristaltic WQ Instrument (complete and or circle at right): YSI Model # _____ Horiba Model # U-52

Other (specify): _____

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	PH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10%)	TURBIDITY (± 10%)
24 - Hour	~~gallons~~ / ~~liters~~ (circle one)	ft TIC / ft BGS (circle one)	Units: ml/min	ft TIC / ft BGS (circle one)	SU	S/cm, ~~mS/cm~~ or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
0810										
0815	.5		~~400~~		6.66	.910	0.12	14.19	-488	444
0820	~~1.5~~ 1.5		~~400~~		6.68	.856	0.00	14.26	-476	208
0825	~~2.5~~ 2.5				6.66	0.841	0.00	13.98	-444	135
0830	3.5				6.67	0.840	0.00	13.96	-441	90.2
0835	4.5				6.75	0.836	0.06	13.89	-403	77.1
0840	5.5				6.74	0.833	0.00	13.90	-388	64.2
0845	6.5				6.78	0.831	0.06	13.94	-375	65.1
0850	7.5				6.79	0.828	0.00	13.89	-376	58.1

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes.
The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

Notes: Dup-081111 Collected at 0700

MALCOLM PIRNIE

~~FORMER SYLVANIA ELECTRIC PRODUCTS FACILITY~~

~~LOW FLOW GROUNDWATER SAMPLING PURGE RECORD~~

DATE: 8/11/11 WELL OWNER: _____ WELL ID: PZ-10

SAMPLERS: C. Goldsmith, S. Bagneto DEPTH OF PUMP INTAKE: 20 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: Sunny, 85°F SCREENED/OPEN BOREHOLE INTERVAL: 25-15 ft TIC or ft BGS (circle one)

SAMPLE ID: PZ-10 SAMPLE TIME (start/finish): ~~0900~~ 1000 SAMPLE FLOW RATE: _____ ml/min

PUMP TYPE: peristaltic WQ Instrument (complete and or circle at right): YSI Model # _____ Horiba Model # U-52

Other (specify): _____

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	PH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10%)	TURBIDITY (± 10%)
24 - Hour	gallons / liters (circle one)	ft TIC / ft BGS (circle one)	Units: ml/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
~~0915~~ 0915	.5				7.42	.766	0.63	15.47	-399	292
~~0920~~ 0920	1.5				7.43	.853	0.00	13.81	-390	338
~~0925~~ 0925	2.5				7.36	.847	0.00	13.76	-314	162
~~0930~~ 0930	3.5				7.38	.838	0.00	13.92	-291	90.3
~~0935~~ 0935	4.5				7.34	.859	0.00	13.82	-276	66.8
0940	5.5				7.35	.870	0.00	14.02	-269	37.3
0945	6.5				7.26	.888	0.00	13.91	-265	28.5
0950	7.5				7.22	.899	0.00	13.99	-263	25.9
0955	8.5				7.23	.900	0.00	14.02	-261	29.3

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes.
The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs

Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm

TIC = Top of Inner Casing BGS = Below Ground Surface

Notes: _____

ARCADIS

Groundwater Sampling Form

Project No. 00266384.0000 | Well ID PZ-11 | Date 5/31/2012

Project Name/Location Majestic Cleaners / Brookly, NY | Weather Sunny, 80°F

Measuring Pt. Description: Top of Casing | Screen Setting (ft-bmp): 40-50 | Casing Diameter (in.): 2 | Well Material: X PVC, SS, Other

Total Depth (ft-bmp): 25 | Static Water Level (ft-bmp): 10.41 | Water Column in Well: 39.59 | Gallons in Well: 6.3

Calc.Gallons Purged: | Pump Intake (ft-bmp): | Purge Method: Centrifugal, Submersible, Disp. Bailer, Other: Peristaltic | Sample Method: Peristaltic

Liters Purged: 32.5 | MP Elevation: | Pump On/Off: 1145/1305

Sample Time: Label 1255 | Replicate/ Code No. DUP-053112 at 0700 | Sampled by CG

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Liters Purged	pH	Cond. (µmhos) **(mS/cm)**	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
1150	5	500	10.16	2.5	7.02	0.87	57.5	5.93	20.53	334	Clear	None
1155	10	500	10.17	5	7.06	1.57	19.8	0.81	19.29	276	Clear	None
1200	15	500	10.17	7.5	7.04	1.56	15.1	0.82	18.55	234	Clear	None
1205	20	500	10.17	10	7.04	1.55	10.9	0.56	18.45	229	Clear	None
1210	25	500	10.17	12.5	7.04	1.52	7.2	0.48	18.43	224	Clear	None
1215	30	500	10.17	15	7.03	1.51	6.4	0.48	18.44	223	Clear	None
1220	35	500	10.17	17.5	7.03	1.50	1.9	0.48	18.38	222	Clear	None
1225	40	500	10.17	20	7.03	1.50	0	0.49	18.39	220	Clear	None
1230	45	500	10.17	22.5	7.04	1.50	0.6	0.52	18..32	218	Clear	None
1235	50	500	10.17	25	7.01	1.48	1.9	0.55	18.31	217	Clear	None
1240	55	500	10.17	27.5	7.03	1.49	1.4	0.53	18.34	213	Clear	None
1245	60	500	10.17	30	7.06	1.48	1.6	0.51	18.36	211	Clear	None
1250	65	500	10.17	32.5	7.06	1.48	1.7	0.5	18.38	210	Clear	None

Constituents Sampled	**Container**	**Number**	**Preservative**
VOC	40 ml voa	2	HCL
SVOC	1 Liter Amber	1	None

Well Information

Well Location: NW corner of Euclid and Loring | Well Locked at Arrival: Yes / No

Condition of Well: | Well Locked at Departure: Yes / No

Well Completion: **Flush Mount** / Stick Up | Key Number To Well:

NOTES:

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

ARCADIS

Groundwater Sampling Form

Project No. 00266384.0000 | Well ID PZ-12 | Date 5/31/2012

Project Name/Location Majestic Cleaners / Brookly, NY | Weather Sunny, 80°F

Measuring Pt. Description: Top of Casing | Screen Setting (ft-bmp): 40-50 | Casing Diameter (in.): 2 | Well Material: X PVC, SS, Other

Total Depth (ft-bmp): 50 | Static Water Level (ft-bmp): 9.71 | Water Column in Well: 40.35 | Gallons in Well: 6.4

Calc.Gallons Purged: | Pump Intake (ft-bmp): 45 | Purge Method: Centrifugal, Submersible, Disp. Bailer, Other: Peristaltic | Sample Method: Peristaltic

Liters Purged: 19 | MP Elevation:

Sample Time: Label 1730 | Replicate/ Code No.: | Pump On/Off: 1640/1740

Sampled by CG

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Liters Purged	pH	Cond. (µmhos) **(mS/cm)**	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
1645	5	500	9.68	2.5	10.36	0.349	38.5	5.45	20.6	-51	Clear	None
1650	10	500	9.68	5	7.35	0.704	44.3	0.74	19.09	16	Clear	None
1655	15	500	9.68	7.5	7.29	0.797	37.9	0.00	18.84	-173	Clear	None
1700	20	500	9.68	10	7.35	0.802	23.9	0.00	18.79	-312	Clear	None
1705	25	500	9.68	12.5	7.34	0.811	14.3	0.00	19.04	-371	Clear	None
1710	30	500	9.68	15	7.33	0.810	4.5	0.00	19.03	-401	Clear	None
1715	35	500	9.68	17.5	7.33	0.813	2.3	0.00	18.89	-416	Clear	None
1720	40	500	9.68	20	7.33	0.817	0	0.00	18.86	-430	Clear	None
1725	45	500	9.68	22.5	7.33	0.821	0	0.00	18.9	-419	Clear	None

Constituents Sampled	**Container**	**Number**	**Preservative**
VOC	40 ml voa	2	HCL
SVOC	1 Liter Amber	1	None

Well Information

Well Location: NW corner of Euclid and Loring | Well Locked at Arrival: Yes / No

Condition of Well: | Well Locked at Departure: Yes / No

Well Completion: **Flush Mount** / Stick Up | Key Number To Well:

NOTES:

Well Casing Volumes

Gallons/Foot					
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

ARCADIS

Groundwater Sampling Form

Project No. 00266384.0000 | Well ID PZ-13 | Date 5/31/2012

Project Name/Location Majestic Cleaners / Brookly, NY | Weather Sunny, 80°F

Measuring Pt. Description: Top of Casing | Screen Setting (ft-bmp): 40-50 | Casing Diameter (in.): 2 | Well Material: X PVC, SS, Other

Total Depth (ft-bmp): 50 | Static Water Level (ft-bmp): 10.22 | Water Column in Well: 39.78 | Gallons in Well: 6.3

Calc.Gallons Purged: | Pump Intake (ft-bmp): 45 | Purge Method: Centrifugal, Submersible, Disp. Bailer, Other: Peristaltic | Sample Method: Peristaltic

Liters Purged: 30 | MP Elevation:

Sample Time: Label 1415 | Replicate/ Code No. MS/MSD | Pump On/Off: 1305/1425 | Sampled by CG

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Liters Purged	pH	Cond. (µmhos) **(mS/cm)**	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
1310	5	500	10.24	2.5	8.17	0.466	86.9	4.75	18.95	99	Clear	None
1315	10	500	10.25	5	7.97	0.503	48.2	4.03	18.75	27	Clear	None
1320	15	500	10.25	7.5	7.53	0.837	37.2	3.45	18.39	-122	Clear	None
1325	20	500	10.25	10	7.54	0.937	7.9	2.11	18.32	-214	Clear	None
1330	25	500	10.25	12.5	7.52	0.939	10.3	1.74	18..40	-213	Clear	None
1335	30	500	10.25	15	7.51	0.935	7	1.35	18.32	-212	Clear	None
1340	35	500	10.25	17.5	7.55	0.932	1.8	1.06	18.29	-216	Clear	None
1345	40	500	10.25	20	7.51	0.929	7.9	1.07	18.37	-206	Clear	None
1350	45	500	10.25	22.5	7.50	0.931	9.8	0.74	18.40	-214	Clear	None
1355	50	500	10.25	25	7.51	0.927	6.8	0.68	18.38	-221	Clear	None
1400	55	500	10.25	27.5	7.53	0.925	5.8	0.61	18.27	-209	Clear	None
1405	60	500	10.25	30	7.50	0.922	5.6	0.60	18.31	-213	Clear	None
1410	65	500	10.25	32.5	7.48	0.918	5.2	0.57	18.33	-217	Clear	None

Constituents Sampled	**Container**	**Number**	**Preservative**
VOC	40 ml voa	2	HCL
SVOC	1 Liter Amber	1	None

Well Information

Well Location: Soth side of Loring | Well Locked at Arrival: Yes / No

Condition of Well: | Well Locked at Departure: Yes / No

Well Completion: **Flush Mount** / Stick Up | Key Number To Well:

NOTES:

Well Casing Volumes

Gallons/Foot: 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 2" = 0.16; 2.5" = 0.26; 3" = 0.37; 3.5" = 0.50; 4" = 0.65; 6" = 1.47

ARCADIS

Groundwater Sampling Form

Project No. 00266384.0000 | Well ID PZ-14 | Date 5/31/2012

Project Name/Location Majestic Cleaners / Brookly, NY | Weather Sunny, 80°F

Measuring Pt. Description: Top of Casing | Screen Setting (ft-bmp): 15-25 | Casing Diameter (in.): 2 | Well Material: X PVC, SS, Other

Total Depth (ft-bmp): 25 | Static Water Level (ft-bmp): 9.71 | Water Column in Well: 15.29 | Gallons in Well: 2.44

Calc.Gallons Purged: | Pump Intake (ft-bmp): 20 | Purge Method: Centrifugal, Submersible, Disp. Bailer, Other: Peristaltic | Sample Method: Peristaltic

Liters Purged: 30 | MP Elevation:

Sample Time: Label 1630 | Replicate/ Code No.: | Pump On/Off: 1525/1635

Sampled by CG

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Liters Purged	pH	Cond. (µmhos) **(mS/cm)**	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
1530	5	500	9.73	2.5	7.13	2.01	>800	2.22	19.89	-39	Yellow brown	None
1535	10	500	9.73	5	7.2	2.09	146	0.37	18.68	-149	Clear	None
1540	15	500	9.73	7.5	7.19	2.06	66.3	0.26	18.82	-177	Clear	None
1545	20	500	9.73	10	7.21	2.03	44.6	0.30	18.72	-183	Clear	None
1550	25	500	9.73	12.5	7.16	2.01	34.2	0.28	18.79	-181	Clear	None
1555	30	500	9.73	15	7.16	2.00	24.7	0.25	18.76	-184	Clear	None
1600	35	500	9.73	17.5	7.12	1.97	11.5	0.26	18.82	-181	Clear	None
1605	40	500	9.73	20	7.12	1.96	9.1	0.23	18.82	-182	Clear	None
1610	45	500	9.73	22.5	7.1	1.95	6.2	0.19	18.77	-181	Clear	None
1615	50	500	9.73	25	7.11	1.93	6.2	0.16	18.77	-184	Clear	None
1620	55	500	9.73	27.5	7.09	1.92	6.3	0.12	18.78	-182	Clear	None
1625	60	500	9.73	30	7.06	1.92	6.5	0.10	18.78	181	Clear	None

Constituents Sampled	Container	Number	Preservative
VOC	40 ml voa	2	HCL
SVOC	1 Liter Amber	1	None

Well Information

Well Location: NW corner of Euclid and Loring | Well Locked at Arrival: Yes / No

Condition of Well: | Well Locked at Departure: Yes / No

Well Completion: **Flush Mount** / Stick Up | Key Number To Well:

NOTES:

Well Casing Volumes

Gallons/Foot					
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

ARCADIS

Groundwater Sampling Form

Project No. 00266384.0000 | Well ID PZ-15 | Date 6/1/2012

Project Name/Location Majestic Cleaners / Brookly, NY | Weather Sunny, 80°F

Measuring Pt. Description: Top of Casing | Screen Setting (ft-bmp): 40-50 | Casing Diameter (in.): 2 | Well Material: X PVC, SS, Other

Total Depth (ft-bmp): 50 | Static Water Level (ft-bmp): 10.12 | Water Column in Well: 39..88 | Gallons in Well: 6.3

Calc.Gallons Purged: | Pump Intake (ft-bmp): 45 | Purge Method: Centrifugal, Submersible, Disp. Bailer, Other: Peristaltic | Sample Method: Peristaltic

Liters Purged: 32.5 | MP Elevation:

Sample Time: Label 0825 | Replicate/ Code No.: | Pump On/Off: 0715/0835

Sampled by CG

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Liters Purged	pH	Cond. (µmhos) **(mS/cm)**	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
0720	5	500	10.15	2.5	11.76	1.49	83.7	11.92	18.2	13	Clear	None
0725	10	500	10.15	5	11.65	1.11	135	4.86	17.54	-40	Clear	None
0730	15	500	10.15	7.5	10.8	0.659	152	3.45	17.49	-70	Clear	None
0735	20	500	10.15	10	9.74	0.607	40.6	2.16	17.46	-92	Clear	None
0740	25	500	10.15	12.5	9.49	0.625	22.7	1.85	17.45	-109	Clear	None
0745	30	500	10.15	15	9.4	0.622	14.6	1.70	17.5	-121	Clear	None
0750	35	500	10.15	17.5	9.01	0.661	40.6	1.82	17.43	-146	Clear	None
0755	40	500	10.15	20	9	0.663	34	1.40	17.42	-149	Clear	None
0800	45	500	10.15	22.5	8.92	0.668	25.3	1.31	17.44	-160	Clear	None
0805	50	500	10.15	25	8.86	0.674	17.6	1.27	17.46	-168	Clear	None
0810	55	500	10.15	27.5	8.74	0.694	14.5	1.25	17.45	-177	Clear	None
0815	60	500	10.15	30	8.66	0.706	10.3	1.22	17.44	-181	Clear	None
0820	65	500	10.15	32.5	8.62	0.715	8.3	1.21	17.43	-182	Clear	None

Constituents Sampled	**Container**	**Number**	**Preservative**
VOC	40 ml voa	2	HCL
SVOC	1 Liter Amber	1	None

Well Information

Well Location: SW corner of site | Well Locked at Arrival: Yes / No

Condition of Well: | Well Locked at Departure: Yes / No

Well Completion: **Flush Mount** / Stick Up | Key Number To Well:

NOTES:

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

ARCADIS

Groundwater Sampling Form

Project No. 00266384.0000 | Well ID PZ-16 | Date 6/1/2012

Project Name/Location Majestic Cleaners / Brookly, NY | Weather Sunny, 80°F

Measuring Pt. Description: Top of Casing | Screen Setting (ft-bmp): 40-50 | Casing Diameter (in.): 2 | Well Material: X PVC, SS, Other

Total Depth (ft-bmp): 50 | Static Water Level (ft-bmp): 10.69 | Water Column in Well: 39.31 | Gallons in Well: 6.3

Calc.Gallons Purged: | Pump Intake (ft-bmp): | Purge Method: Centrifugal, Submersible, Disp. Bailer, Other: Peristaltic | Sample Method: Peristaltic

Liters Purged: 26 | MP Elevation:

Sample Time: Label 1035 | Replicate/ Code No.: | Pump On/Off: 0925/1045

Sampled by CG

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Liters Purged	pH	Cond. (µmhos) **(mS/cm)**	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
930	5	400	10.72	2	7.66	0.968	100	8.75	19.25	-32	Clear	None
935	10	400	10.72	4	7.37	1.09	209	1.56	18.5	-147	Clear	None
940	15	400	10.72	6	7.34	1.12	454	0.57	18.39	-319	light brown	None
945	20	400	10.72	8	7.30	1.13	317	0.35	18.56	-371	light brown	None
950	25	400	10.72	10	7.35	1.13	236	0.26	18.56	-403	light brown	None
955	30	400	10.72	12	7.30	1.13	158	0.15	18.57	-427	light brown	None
1000	35	400	10.72	14	7.32	1.18	104	0.30	18.52	-445	light brown	None
1005	40	400	10.72	16	7.27	1.19	72.5	0.00	18.56	-463	Clear	None
1010	45	400	10.72	18	7.25	1.19	49.8	0.00	18.55	-472	Clear	None
1015	50	400	10.72	20	7.25	1.20	36.5	0.00	18.54	-483	Clear	None
1020	55	400	10.72	22	7.22	1.22	25.2	0.00	18.57	-481	Clear	None
1025	60	400	10.72	24	7.20	1.22	17.2	0.00	18.6	-482	Clear	None
1030	65	400	10.72	26	7.19	1.23	15	0.00	18.62	-480	Clear	None

Constituents Sampled	Container	Number	Preservative
VOC	40 ml voa	2	HCL
SVOC	1 Liter Amber	1	None

Well Information

Well Location: about 150 feet down Euclid on west side | Well Locked at Arrival: Yes / No

Condition of Well: | Well Locked at Departure: Yes / No

Well Completion: **Flush Mount** / Stick Up | Key Number To Well:

NOTES:

Well Casing Volumes

Gallons/Foot: 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 2" = 0.16; 2.5" = 0.26; 3" = 0.37; 3.5" = 0.50; 4" = 0.65; 6" = 1.47

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Appendix D

AS/SVE Pilot Test Field Logs

Former Majestic Garment Cleaners
Brooklyn, NY
AS/SVE Pilot

USE NEGATIVE (-) SIGN TO INDICATE VACUUM

TEST #1. SOIL VAPOR EXTRACTION 6/26/12

Test Start SVE w/o AS

Time	Applied Vacuum at SVE Skid (inH_2O)	SVE Flow Rate M.P.			Wellhead Measurements											
		Flow (cfm/fpm)	Vacuum/ Pressure (in H_2O)	Temp (F)	Parameters	Total SVE	SVE-1	AS/SVE-2	AS/SVE-3	AS/SVE-4	AS/SVE-5	AS/SVE-6	AS/SVE-7	PZ-9	PZ-10	PZ-4R
1030	27	23	-27.2	75.6	Vac/Press.(in.W.C.)	-		-.161	-.009	-.085	-.995	-.140	-.220			
					PID (ppm)			0/0	2.2/0	3.9/0	.01/0	3.5/0	4.1/0			
					DTW (ft b.m.p)	-										
1100	16	23	-16	70.5	Vac/Press.(in.W.C.)		-16	.107	0	-.033	-.630	-.085	-.170			
					PID (ppm)		375/11	0/0	0/0	0/0	13.4/0	7.4/0	0/0			
					DTW (ft b.m.p)											
1110	18	23	-18	75.7	Vac/Press.(in.W.C.)											
					PID (ppm)											
					DTW (ft b.m.p)											
1130		50	-53	75.7	Vac/Press.(in.W.C.)											
					PID (ppm)											
					DTW (ft b.m.p)											
1145	52	50	52	75.8	Vac/Press.(in.W.C.)		52	-.241	-0.005	-.095	-1.205	-.217	-.061			
					PID (ppm)		188.8/7	0/0	0/0	0/0	0/0	0	0/0			
					DTW (ft b.m.p)											
1210	61	66	63		Vac/Press.(in.W.C.)		63	-.287	-0.018	-.106	-1.40	-0.181	-.209			
					PID (ppm)		213/6	2.3/0	37/0	2.8/0	0/0	0/0	0/0			
					DTW (ft b.m.p)											
					Vac/Press.(in.W.C.)											
					PID (ppm)											
					DTW (ft b.m.p)											
					Vac/Press.(in.W.C.)											
					PID (ppm)											
					DTW (ft b.m.p)											

1305 AS: AS/SVE ON. Break press 12 psi (@ 15 CFM) Reduced to 10 CFM

Former Majestic Garment Cleaners
Brooklyn, NY
AS/SVE Pilot

10:33 SB collect sample.
11:22 Ramping up SVE to 50 cfm
12:33 SB collect 2nd sample.

USE NEGATIVE (-) SIGN TO INDICATE VACUUM

TEST #1. SOIL VAPOR EXTRACTION

* Baseline DO/ORP also obtained by Envirotrac

* Note that PID/LEL measurements at monitoring points were collected only with meter. (no pump!). This is why SVE only meas. had ~0 ppm for PID. SVE-1 location DID use pump through.

Test Start

baseline 0 to +.009

Time	Applied Vacuum at SVE Skid (inH_2O)	SVE Flow Rate M.P.			Wellhead Measurements												
		Flow (cfm/fpm)	Vacuum/ Pressure (in H_2O)	Temp (F)	Parameters	Total SVE	SVE-1	AS/SVE-2	AS/SVE-3	AS/SVE-4	AS/SVE-5	AS/SVE-6	AS/SVE-7	PZ-15 ~~PZ-5~~	PZ-9 ~~PZ-10~~	PZ-4R
* 9:40	0 - baseline	~~23~~ (~~Hood~~)			Vac/Press.(in.W.C.)	-		~~+.010~~ 0		*-.010 to +.016	~~+.010~~ 0	~~+.010 to +.030~~	0 to +.007			
					PID (ppm)/LEL											
					DTW (ft b.m.p)	-										
10:33		23	-27.2	75.6°	Vac/Press.(in.W.C.)	-27.2										
					PID (ppm)											
10:50					DTW (ft b.m.p)			10.21	10.16	10.27	10.21	10.34	10.57	9.81	9.58	
10:59		23	-18	~~75.6~~ 70.5	Vac/Press.(in.W.C.)	See Env. notes: (vac, PID/LEL)										
					PID (ppm)											
					DTW (ft b.m.p)			10.19	10.16	10.26	10.32	10.19	10.52			
~~11:08~~ 11:25	Turned up @ ~~11:08~~ 11:22 Pulling moisture - cannot measure flowrate.	50/NR	~~-18~~ -72	75	Vac/Press.(in.W.C.)											
					PID (ppm)											
					DTW (ft b.m.p)			10.23	10.16	10.26						
~~11:30~~ 11:37	Turned down to 50 cfm	50	-53	NM	Vac/Press.(in.W.C.)											
					PID (ppm)											
					DTW (ft b.m.p)											
11:43					Vac/Press.(in.W.C.)			See	Environ	notes						
					PID (ppm)											
					DTW (ft b.m.p)			10.20	10.16	10.26	10.19	10.31 ~~10.56~~	10.56			
12:10	Pulling moisture again AS-1-DTW 9.96	>68 CP measure 54 cfm w/ Dwyer	-63	NM	Vac/Press.(in.W.C.)			See	Emvrn notes							
					PID (ppm)											
					DTW (ft b.m.p)			10.20	10.15	~~10.26~~	10.19	10.30	10.55		9.58	
					Vac/Press.(in.W.C.)											
					PID (ppm)											
					DTW (ft b.m.p)											

Former Majestic Garment Cleaners
Brooklyn, NY
AS/SVE Pilot

USE NEGATIVE (-) SIGN TO INDICATE VACUUM

TEST #2. AIR SPARGE / SOIL VAPOR EXTRACTION 6/26/12

Test Start SVE w/ AS

Time	Applied Vacuum at SVE Skid (inH_2O)	Applied Pressure from AC (psi)	From Flow Rate M.P. Location	Flow (cfm/fpm)	Vacuum/ Pressure (in H_2O)	Temp (F)	Parameters	Total SVE	AS-1	SVE-1	AS/SVE-2	AS/SVE-3	AS/SVE-4	AS/SVE-5	AS/SVE-6	AS/SVE-7	PZ-9	PZ-10	PZ-4R
									Wellhead Measurements										
1305	-60	9	Air Sparge	10	5	79.0	Vac/Pres. (in.W.C.)		10	-60	-3.180	-0.020	-0.071	-0.393	-0.130	-0.150			
							PID (ppm)/LEL		ϕ/ϕ	158.4/4	823/21	131.9/1	149.1/ϕ	145.6/ϕ	31.0/ϕ	63.4/ϕ			
			SVE	60	-60.2		DTW (ft b.m.p)												
							DO (mg/L)												
1345	-62	7.5	Air Sparge	15			Vac/Pres. (in.W.C.)		15	~~-15~~ -60	~~-60~~								
							PID (ppm)			--	157.7/4								
			SVE	60	-60	75	DTW (ft b.m.p)		0.0 ft	to port water									
							DO (mg/L)		KO	drum									
↓			Air Sparge				Vac/Pres. (in.W.C.)			-60									
							PID (ppm)			227/ϕ									
			SVE	60	-60	85	DTW (ft b.m.p)												
							DO (mg/L)												
1416			Air Sparge				Vac/Pres. (in.W.C.)												
							PID (ppm)			109.5/6									
			SVE	21	-16.5		DTW (ft b.m.p)												
							DO (mg/L)				6.41	5.89	5.95	5.99	7.15	6.23			
1446			Air Sparge				Vac/Pres. (in.W.C.)				0.234	0.123	0.03	0.235	0.239	0.84			
							PID (ppm)			361/8	800/10	89.9/10	470/23	460/16	212/45	58.3/100			
			SVE				DTW (ft b.m.p)												
							DO (mg/L)												
1530			Air Sparge				Vac/Pres. (in.W.C.)			-10.5	.985	.03	.029	.034	.387	1.431			
							PID (ppm)			273/17									
			SVE	25	-10.5	78.4	DTW (ft b.m.p)												
							DO (mg/L)												
1540			Air Sparge				Vac/Pres. (in.W.C.)												
							PID (ppm)			786/8	90/10	225/53	594/27	410/80	60/100				
			SVE				DTW (ft b.m.p)												
							DO (mg/L)												
											13	12	23	74	43	87			

1605 (After Shutdown)
ORP

Former Majestic Garment Cleaners
Brooklyn, NY
AS/SVE Pilot

13:05 Turn on AS, breaks @ 7 psi. steadies @ 10 [illegible] 1 psi [illegible] coll. sample # 4.
CD observes water mounding @ SVE/AS-2 & 3.
7.09.
16.06 shutdown. DTW SVE-1 of

11:00 SB collects sample #3.

USE NEGATIVE (-) SIGN TO INDICATE VACUUM

TEST #2. AIR SPARGE / SOIL VAPOR EXTRACTION

* Turned from 10 to 13
15:18 Turn AS down to 5

Test Start

mod. screen deep screen

Time	Applied Vacuum at SVE Skid (inH_2O)	Applied Pressure from AC (psi)	From Flow Rate M.P. Location	Flow (cfm/fpm)	Vacuum/ Pressure (in H_2O)	Temp (F)	Wellhead Measurements Parameters	Note Tot SVE	AS-1	SVE-1	AS/SVE-2	AS/SVE-3	AS/SVE-4	AS/SVE-5	AS/SVE-6	AS/SVE-7	PZ-9	PZ-15 PZ-10	PZ-4R
13:15		9 psi	Air Sparge	10 cfm			Vac/Pres. (in.W.C.)	#2 smells		SEE ENV notes → Press, PID, LEL									
							PID (ppm)			158.4									
			SVE	60.0	-60.2	80	DTW (ft b.m.p)				9.22	9.86	10.11	9.22	9.61	10.12	9.49	9.76	
							DO (mg/L)												
13:46		7.5	Air Sparge	~~11~~ 13 SCFM	7.5	NR	Vac/Pres. (in.W.C.)			-60			ONLY AT SVE-1 HERE						
							PID (ppm)			157 PID 4% LEL									
			SVE	60	-60	75	DTW (ft b.m.p)				10.23	10.05	10.15	9.83	9.91	10.30	9.42	9.72	
							DO (mg/L)	* 0 PID post KT											
14:10			Air Sparge	14	7.5	NR	Vac/Pres. (in.W.C.)				-.470	+.200	-.076	-.500	-.090	-.161			
							PID (ppm)			227/0 LEL									
			SVE	~~100~~ 60	-60	85°F	DTW (ft b.m.p)				~~9.44~~ 9.54	9.89	10.04 ~~10.22~~	9.41	9.56	10.00	9.41	9.73	
							DO (mg/L)	Enviro to follow											
14:25	Turned down SVE from 60 to 21 cfm		Air Sparge	14	7.2		Vac/Pres. (in.W.C.)												
							PID (ppm)			110									
			SVE	21	-16.5	78	DTW (ft b.m.p)	See Env notes (time 14:16) for PID/LEL (SVE-1) & DO in m.p.s											
							DO (mg/L)			ø									
14:47			Air Sparge	14	7.6		Vac/Pres. (in.W.C.)												
							PID (ppm)												
			SVE	24 w/Enviro 37 cfm	-11	84	DTW (ft b.m.p)				Smelly 9.78	9.99	10.08	9.61	9.71	9.14			
							DO (mg/L)	See Env. notes for vac/press, PID/LEL (used vac for PID/LEL @ m.p											
15:30			Air Sparge	4-5	8.0		Vac/Pres. (in.W.C.)	Enviro note											
							PID (ppm)	Enviro notes (only SVE-1)											
			SVE	25	-10.5	78.4	DTW (ft b.m.p)				10.58	10.40	10.38	10.40	10.49	10.66	9.71	9.87	
							DO (mg/L)				4.84	5.60	4.60	3.62	2.79	0.37			
16.12			Air Sparge	Systems OFF			Vac/Pres. (in.W.C.)			ORP									
							PID (ppm)												
			SVE				DTW (ft b.m.p)	* 10.09	7.51	10.76	10.54	10.48	10.86	10.91	11.07	9.68	9.86		
							DO (mg/L)												

→ Glued on threaded bushing; new top is 0.16 higher than old; but this reading is from old

6/26/12 AS/SVE PILOT

0730 - ARCADIS ONSITE: TJ, BAGNATO & C. DAUGHERTY

- WEATHER: 66°F, PARTLY CLOUDY.

0800 - MEASURING WATER LEVELS.

WELL ID	DTW	DTB
AS/SVE-4	10.20'	14.80'
AS/SVE-3	10.15'	14.65
AS/SVE-2	10.18'	14.79'
AS-1	9.97'	29.75'
AS/SVE-5	10.19'	14.81'
AS/SVE-6	10.30'	14.74'
AS/SVE-7	10.62'	14.74'
PZ-4R	11.54'	24.75' - no plug, exposed
PZ-10		OBSTRUCTED
PZ-15	9.79'	
PZ-9	9.57'	
PZ-14	9.36'	
PZ-12	9.30'	
PZ-1	10.05	
PZ-3	10.94	
PZ-6	10.90	
PZ-5	9.65'	
PZ-13	9.89'	
PZ-7	9.82'	
PZ-11	9.79'	

6/26/12

WELL ID	DTW	DTB
P7-8	9.93'	
P7-16	10.30	
SVE-1	~~7.85~~ PR	7.85

0930 - ENVIROTRAC ONSITE DAVE & GARRETT
- START SETTING UP.

1030 - START SVE ONLY @ ~25 CFM
1035 - COLLECT AIR SAMPLE "SVE-1035"
CANISTER PRESSURE -30 → -9
1120 - INCREASE SVE FLOW RATE TO ~50 CFM.
1130 - WENT BEYOND 50 CFM TO ~ 70 CFM & WERE PULLING WATER
- LOWERED FLOW BACK TO ~50 CFM.
1230 - COLLECT AIR SAMPLE "SVE-1230"
CANISTER PRESSURE - -28 → -8
1240 - PREP TO ADD AS. WILL HAVE TO GLUE FITTING ONTO WELL HEAD. HAVE TO USE PVC PRIMER & GLUE.
- NOTE 55-GALLON POLY DRUM OF WASTE OIL WITH NO LID NOTED IN SHED NEAR WESTERN FENCELINE.
1305 - START AS - BREAKING PRESSURE: ~~15~~ 12 PSI. 58 cfm/12/12
- MIXED AT 9 PSI & 15 CFM.

6/26/12 AS/SVE PILOT.

- DIAL DOWN TO 10 CFM, 9 PSI, SVE @ 50 CFM
~1330 - PRESSURE INCREASED TO 13 PSI.
1400 - COLLECT AIR SAMPLE "AS/SVE-1400"
CANISTER PRESSURE: -28 → -8
1425 - TURN SVE DOWN TO ~25 CFM, KEEP AS @ 10 CFM.
1515 - TURN AS DOWN TO ~5 CFM.
1540 - COLLECT AIR SAMPLE "AS/SVE-1540"
CANISTER PRESSURES: -28 → -8 in Hg
1600 - STOP PILOT.
- NOTE - MW 4R FLUSH-MOUNT HAS BEEN RIPPED, CASING APPEARS INTACT.
1700 - ARRIVE AT ENVIROTRAC OFFSITE

6/26/12 Arcadis ~~EFF~~ PILOT TEST

0800 (ENCET) onsite w/ BOX TRUCK, ow onsite w/ 66 & Generator Trailer. 2 reps from Arcadis onsite (Stephan/Chris) weather 75°/clear

Scope - SVE/AS PILOT TEST.

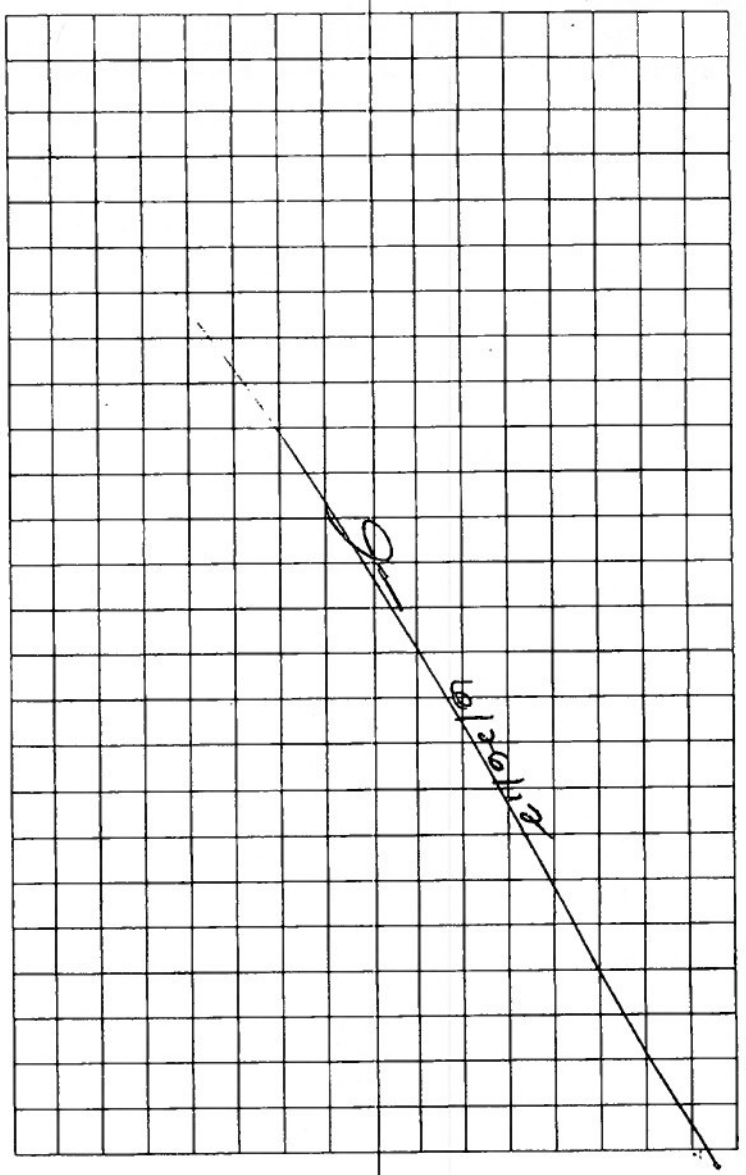
INITIAL ~~READS~~ READS:

	CIR (units)	OR (units)	DO (units)
SVE-1	122.2 - VOC		
	11 - CO		
	7 - LEL %		
	20.1 - O2		
	- ORP		
	5.48 - DO (mg/L)		
SVE-2	198.1 VOC		
	28 CO		
	74 LEL		
	17.3 O2		
	~~8~~ ORP		
	4.19 DO		
SVE-3	215.0 VOC		
AS-1	23 CO		
	27 LEL		
	14.2 O2		
@	8 ~~6.08~~ ORP -4		
@	6.08 DO (mV)		

AS/SVE-4	14.5 VOC		
	0 CO		
	0 LEL		
	20.8 O2		
-4	~~6.40~~ ORP		
6.40 -4	DO (mV)		
AS/SVE-6			
	169.6 VOC		
	11 CO		
	11 LEL		
	~~16.5~~ O2		
2	~~427~~ ORP		
	451 DO		
AS/SVE-7	147.8 VOC		
	18 CO		
	25 LEL		
	18.2 O2		
	12 ORP		
AS/SVE 5	~~120.5~~ VOC	197.0	
	7 LEL		
	19.2 O2		
	12 CO		
	8 ORP		
	1.92 DO		

* Reference SVE only and SVE w/ AS sheets for test details / parameters.

~1645 All parties offsite



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Appendix E

Investigation-Derived Waste Disposal Manifests

BR22966

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
Not Required	1	732-613-1680	12440-1

GENERATOR

5. Generator's Name and Mailing Address
NY Department of Environmental Conservation
625 Broadway, 11th Floor
Albany, NY 12233
Generator's Phone: 718-402-9620

Generator's Site Address (if different than mailing address)
740 Pine Street
Brooklyn, NY

6. Transporter 1 Company Name
Maumee Express, Inc.

U.S. EPA ID Number
NJD986607380

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
MXI Environmental, Inc
26319 Old Trail Road
Abingdon, VA 24210
Facility's Phone: 276-628-8636

U.S. EPA ID Number
VAR000503920

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non RCRA Non DOT Soil	~~X~~ 17	DM	~~4000~~ 714	P
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Soil 100% S
AWT P.O. #12440-JLH

INT'L

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: CORY SNYDER "ON BEHALF OF NYSDEC" | Signature: for NYSDEC | Month: 7 | Day: 16 | Year: 12

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: CARL ADERHOLT | Signature | Month: 7 | Day: 16 | Year: 12

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Ronald Pott | Signature | Month: 7 | Day: 20 | Year: 12

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Appendix F

Data Usability Summary Reports

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
Facsimile 518-251-4428

December 17, 2010

Stefan Bagnato
Malcolm Pirnie, Inc.
855 Rt 146 Suite 204
Clifton Park, NY 12065

RE: Validation of the Former Majestic Cleaners Analytical Data Packages
Chemtech SDG No. B3953

Dear Mr. Bagnato:

Review has been completed for the data packages generated by Chemtech Laboratory that pertains to samples collected 10/19/10 at the Former Majestic Cleaners site. Two aqueous samples and a field duplicate were analyzed for TCL volatile analytes by method EPA 8260B and TCL semivolatile analytes by EPA 8270C.

The data packages submitted by the laboratory contain full deliverables for validation, but this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. Full validation has not been performed. However, the reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA national and regional validation documents, and in consideration for the specific requirements of the analytical methodology. The following items were reviewed:

The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Method and Trip Blanks
* Matrix Spike Recoveries/Duplicate Correlations
* Field Duplicate Correlations
* Laboratory Control Sample (LCS)
* Instrumental Tunes
* Initial and Continuing Calibration and Standards
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable.

In summary, sample processing was conducted in compliance with the analytical method. Target analyte are usable as reported. Tentatively Identified Compounds (TICs) were not properly identified and/or flagged.

Copies of the client sample identifications and the laboratory case narrative are attached to this text, and should be reviewed in conjunction with this report. Also attached are client results tables, with recommended qualifiers applied in red ink.

Chain-of-Custody

Cross-outs on the custody should have been dated and initialed.

Blind Field Duplicate

The blind field duplicate evaluation of aqueous sample MW-1 shows acceptable correlations.

Volatile Analyses by EPA8260B

Holding time requirements were met, and instrument tunes meet fragmentation requirements. Internal and surrogate standard recoveries are within required limits. Blanks show no contamination.

Matrix spikes of all analytes in MW-3 show acceptable recoveries and duplicate correlations.

Initial and continuing calibration standard (ICV and CCV) responses are within protocol and validation guidelines.

The raw data should have been identified with the client ID.

Semivolatile Analyses by EPA8270C

Holding time requirements were met, and instrument tunes meet fragmentation requirements. Internal standard recoveries are within required limits. Blanks show no contamination. Surrogate recoveries were also within laboratory acceptance ranges, although it is noted that the ranges were very large, with the lowest limit of all six acceptance ranges at either 10% or 20%.

Matrix spikes of all analytes in MW-3 show acceptable recoveries and duplicate correlations.

Initial and continuing calibration standard (ICV and CCV) responses are within protocol and validation guidelines.

TICs that are flagged by the laboratory as "B" or "A" are rejected as sample components, as they are also present in the associated blank and/or extraction artifacts.

The TIC reported at a retention time of 3.26' was reported as "unknown" by the laboratory, but it is the volatile analyte tetrachloroethene (spectra show fit values of 93%). That analyte is reported in the volatile fractions, and should not have been reported as a semivolatile TIC.

The TIC reported at retention time 14.07' in MW-X was erroneously identified (it should have

been reported as "unknown"). Additionally, it is present in the associated blank and should have been flagged as "B".

Following validation, all TICs reported in the samples have been removed from consideration as sample components.

The raw data should have been identified with the client ID.

Data Package Completeness

TIC forms should have been submitted for all samples. They were not provided for the samples that did not have TICs.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected. The associated reported quantitation limit is an estimate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample

CLIENT and LABORATORY SAMPLE IDs and CASE NARRATIVE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MW-1	B3953-01	8260B	8270C				
MW-X	B3953-02	8260B	8270C				
TRIPBLANK	B3953-03	8260B					
MW-3	B3953-04	8260B	8270C				

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: 02-66-384 Former Majestic cleaners
Project # N/A
Chemtech Project # B3953

A. Number of Samples and Date of Receipt:
6 Water samples were received on 10/20/10.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20, and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA F were done using GC column RTX624, which is 75 meters, 0.53 mm id, 3.0 um df, Restek Cat. #10974. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator. The analysis of method VOC-CLVOA-10 was based on 8260B

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD recoveries met criteria.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The %RSD is greater than 15% in the Initial Calibration (Method 82F102110.M) for Bromomethane, Chloroethane, Acetone and Methyl Acetate. Linear /Quadratic regression was performed for these compounds and the coef of det (r ^2) is greater than 0.99.
The Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:
Please use %D calculated based on AvgRF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration Curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes

Mildred V. Reyes, QA/QC Supervisor
I am approving this document
2010.11.02 16:26:06 -04'00'

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: 02-66-384 Former Majestic cleaners
Project # N/A
Chemtech Project # B3953

A. Number of Samples and Date of Receipt:
6 Water samples were received on 10/20/10.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20, and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA E using GC Column RTX-5 SILMS which is 20 meters, 0.18 mm ID, 0.36 um df, Catalog # 42704. The method of analysis was 8270 and the extraction method was 3510

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD recoveries met criteria.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The %RSD is greater than 15% in the Initial Calibration (Method 8270-BE101510.M) for Hexachlorocyclopentadiene and 2,4-Dinitrophenol Linear /Quadratic regression was performed for these compounds and the coef of det (r ^2) is greater than 0.99. The highest concentration of Benzaldehyde was 60 ppb in the initial calibration on BNA E dated 10/15/10
The Calibration met the requirements
The Tuning criteria met requirements.

E. Additional Comments:

Please use %D calculated based on AvgRF and CCRF for all compounds using Average

Response Factor when the %RSD value for a compound is <15% for the Initial Calibration Curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes

Mildred V. Reyes, QA/QC Supervisor
I am approving this document
2010.11.02 16:25:49 -04'00'

QUALIFIED CLIENT RESULTS TABLE

Table 1
Summary of Groundwater Sampling Results (VOCs)
Former Majestic Garment Cleaners
Brooklyn, New York

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard or Guidance Value ug/L	MW-1 10/19/2010 WATER ug/L	MW-X (MW-1 Dup) 10/19/2010 WATER ug/L	MW-3 10/19/2010 WATER ug/L
VOCs				
1,1,1-Trichloroethane	5	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	5	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U
1,2-Dibromoethane	5	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U
2-Butanone (Methyl ethyl ketone)	50	5 U	5 U	5 U
2-Hexanone	50*	5 U	5 U	5 U
4-Methyl-2-Pentanone		5 U	5 U	5 U
Acetone	50*	5 U	5 U	5 U
Benzene	1	1 U	1 U	1 U
Bromodichloromethane	50*	1 U	1 U	1 U
Bromoform	50*	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U
Carbon Disulfide		1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U

Table 1
Summary of Groundwater Sampling Results (VOCs)
Former Majestic Garment Cleaners
Brooklyn, New York

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard or Guidance Value ug/L	MW-1 10/19/2010 WATER ug/L	MW-X (MW-1 Dup) 10/19/2010 WATER ug/L	MW-3 10/19/2010 WATER ug/L
VOCs				
Chloromethane		0.66 J	1 U	1 U
cis-1,2-Dichloroethene	5	15	16	1 U
cis-1,3-Dichloropropene	0.4**	1 U	1 U	1 U
Cyclohexane		1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U
Ethyl Benzene	5	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U
m/p-Xylenes	5	2 U	2 U	2 U
Methyl Acetate		1 U	1 U	1 U
Methyl tert-butyl Ether	10	1 U	1 U	1 U
Methylcyclohexane		1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4**	1 U	1 U	1 U
Tetrachloroethene	5	10	9.8	1 U
Toluene	5	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	0.65 J	0.65 J	1 U
Trichloroethene	5	5.5	5.4	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U
Vinyl Chloride	2	1.6	1.6	1 U
Total TICs				

Notes:

* Guidance Value

** - Sum of these analytes cannot exceed 0.4 ug/l

U - Compound was not detected, Reporting Limit is provided.

J- Concentration is an approximate value.

Highlighted cells exceed NYSDEC Class GA standard or guidance value.

Table 2
Summary of Groundwater Sampling Results (SVOCs)
Former Majestic Garment Cleaners
Brooklyn, New York

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard or Guidance Value ug/L	MW-1 10/19/2010 WATER ug/L	MW-X (MW-1 Dup) 10/19/2010 WATER ug/L	MW-3 10/19/2010 WATER ug/L
SVOCs				
1,1-Biphenyl	5	11 U	11 U	11 U
2,2-oxybis(1-Chloropropane)		11 U	11 U	11 U
2,4,5-Trichlorophenol	1	11 U	11 U	11 U
2,4,6-Trichlorophenol	1	11 U	11 U	11 U
2,4-Dichlorophenol	5	11 U	11 U	11 U
2,4-Dimethylphenol	50*	11 U	11 U	11 U
2,4-Dinitrophenol	10*	11 U	11 U	11 U
2,4-Dinitrotoluene	5	11 U	11 U	11 U
2,6-Dinitrotoluene	5	11 U	11 U	11 U
2-Chloronaphthalene	10*	11 U	11 U	11 U
2-Chlorophenol		11 U	11 U	11 U
2-Methylnaphthalene		11 U	11 U	11 U
2-Methylphenol		11 U	11 U	11 U
2-Nitroaniline	5	11 U	11 U	11 U
2-Nitrophenol		11 U	11 U	11 U
3,3-Dichlorobenzidine	5	11 U	11 U	11 U
3+4-Methylphenols		11 U	11 U	11 U
3-Nitroaniline	5	11 U	11 U	11 U
4,6-Dinitro-2-methylphenol		11 U	11 U	11 U
4-Bromophenyl-phenylether		11 U	11 U	11 U
4-Chloro-3-methylphenol		11 U	11 U	11 U
4-Chloroaniline	5	11 U	11 U	11 U
4-Chlorophenyl-phenylether		11 U	11 U	11 U
4-Nitroaniline	5	11 U	11 U	11 U
4-Nitrophenol		11 U	11 U	11 U
Acenaphthene	20*	11 U	11 U	11 U
Acenaphthylene		11 U	11 U	11 U
Acetophenone		11 U	11 U	11 U
Anthracene	50*	11 U	11 U	11 U
Atrazine	7.5	11 U	11 U	11 U
Benzaldehyde		11 U	11 U	11 U
Benzo(a)anthracene	0.002*	11 U	11 U	11 U
Benzo(a)pyrene	ND	11 U	11 U	11 U
Benzo(b)fluoranthene	0.002*	11 U	11 U	11 U
Benzo(g,h,i)perylene		11 U	11 U	11 U
Benzo(k)fluoranthene	0.002*	11 U	11 U	11 U
bis(2-Chloroethoxy)methane	5	11 U	11 U	11 U
bis(2-Chloroethyl)ether	1	11 U	11 U	11 U
bis(2-Ethylhexyl)phthalate	5	11 U	11 U	11 U
Butylbenzylphthalate	50*	11 U	11 U	11 U
Caprolactam		11 U	11 U	11 U
Carbazole		11 U	11 U	11 U
Chrysene	0.002*	11 U	11 U	11 U
Dibenz(a,h)anthracene		11 U	11 U	11 U

Table 2
Summary of Groundwater Sampling Results (SVOCs)
Former Majestic Garment Cleaners
Brooklyn, New York

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard or Guidance Value ug/L	MW-1 10/19/2010 WATER ug/L	MW-X (MW-1 Dup) 10/19/2010 WATER ug/L	MW-3 10/19/2010 WATER ug/L
Dibenzofuran		11 U	11 U	11 U
Diethylphthalate	50*	11 U	11 U	11 U
Dimethylphthalate	50*	11 U	11 U	11 U
Di-n-butylphthalate	50	11 U	11 U	11 U
Di-n-octyl phthalate	50*	11 U	11 U	11 U
Fluoranthene	50*	11 U	11 U	11 U
Fluorene	50*	11 U	11 U	11 U
Hexachlorobenzene	0.04	11 U	11 U	11 U
Hexachlorobutadiene	0.5	11 U	11 U	11 U
Hexachlorocyclopentadiene	5	11 U	11 U	11 U
Hexachloroethane	5	11 U	11 U	11 U
Indeno(1,2,3-cd)pyrene	0.002*	11 U	11 U	11 U
Isophorone	50*	11 U	11 U	11 U
Naphthalene	10*	11 U	11 U	11 U
Nitrobenzene	0.4	11 U	11 U	11 U
N-Nitroso-di-n-propylamine		11 U	11 U	11 U
N-Nitrosodiphenylamine	50*	11 U	11 U	11 U
Pentachlorophenol	1	11 U	11 U	11 U
Phenanthrene	50	11 U	11 U	11 U
Phenol	1	11 U	11 U	11 U
Pyrene	50	11 U	11 U	11 U
Total TICs		~~14~~	~~15~~	~~13~~

Notes:
* - Guidance Value
U - Compound not detected, Reporting Limit provided.
J- Estimated
Highlighted cells exceed NYSDEC Class GA standard or guidance value.

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
Facsimile 518-251-4428

May 12, 2011

Stefan Bagnato
Malcolm Pirnie, Inc.
855 Rt 146 Suite 204
Clifton Park, NY 12065

RE: Validation of the Former Majestic Cleaners Analytical Data Packages
Chemtech SDG Nos. C1610 and C1640
Con-test SDG No. 11C0770

Dear Mr. Bagnato:

Review has been completed for the data packages generated by Chemtech and Con-test Laboratories that pertain to samples collected between 03/22/11 and 03/24/11 at the Former Majestic Cleaners site. Twenty-five aqueous samples, two aqueous field duplicates, and ten soil samples were analyzed for TCL volatile analytes by method EPA 8260B and TCL semivolatile analytes by EPA 8270C. Twelve air samples and a field duplicate were processed for volatile analytes by USEPA method TO-15.

The data packages submitted by the laboratory contain full deliverables for validation, but this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. Full validation has not been performed. However, the reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA national and regional validation documents, and in consideration for the specific requirements of the analytical methodology. The following items were reviewed:

The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Method and Trip Blanks
* Matrix Spike Recoveries/Duplicate Correlations
* Field Duplicate Correlations
* Laboratory Control Sample (LCS)
* Instrumental Tunes
* Initial and Continuing Calibration and Standards
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable.

In summary, most results for target analyte are usable either as reported or with minor qualification as estimated in value. However, the following issues are noted:

- results for the phenolic compounds in one aqueous sample are not usable
- results for two semivolatile compounds in one aqueous sample are not usable
- the result for one semivolatile analyte in one aqueous sample are not usable
- inconsistent results were shown for some of the volatile soil analyses.
- many of the detections in the air samples are qualified or edited to non-detection due to poor identification
- significant variance was observed with the soil vapor field duplicate
- Tentatively Identified Compounds (TICs) were not always properly identified and/or flagged.
- low level contamination of dimethylphthalate was edited to non-detection

These issues are discussed in the following narrative.

Copies of the client sample identifications and the laboratory case narrative are attached to this text, and should be reviewed in conjunction with this report. Also attached are client results tables, with recommended qualifiers applied in red ink.

Chain-of-Custody

Discrepancies between label and custody entries were resolved at sample receipt.

The trip blanks were added to the custody at sample receipt.

There are no relinquish entries on the second page of the custodies that accompanied the air samples.

Blind Field Duplicate

The blind field duplicate evaluations of PZ-3 and SB-02-GW-25 shows acceptable correlations, with the exception of that for 1,2,4-trichlorobenzene (>±CRDL) in PZ-3. The result for that compound in the parent sample and its duplicate are qualified as estimated in value.

The blind duplicate of SV-2 shows significant variances in target analyte concentrations (many exceeding an order of magnitude), supported by the respective chromatographic responses. Results for the following compounds are qualified as estimated in the parent sample and its duplicate:

1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 2-butanone, 4-methyl-2-pentanone, benzene, cyclohexane, hexane, m,p-xylene, o-xylene, tetrachloroethene, and toluene

Volatile Analyses by EPA8260B

Results for analytes initially reported with the laboratory "E" flag are derived from the dilution analyses of the samples.

Samples SB-04-11-12, SB-5-9-10, and SB-6-10-11 were analyzed at low and medium level analyses due to high concentration of target analytes. Not only did the medium level analyses show

much higher concentrations of the target analytes (two orders of magnitude), but they also showed a high hydrocarbon background that was not at all evident in the low level analyses. In fact, the low level analyses show a very clean chromatograms. The reason for the variances could not be ascertained; a non-homogenous sample matrix is suspected. All detected values for those three samples have been edited to reflect the higher values that were generated from the dilution analyses, and have been then qualified as estimated in value due to the observed variances, and due to outlying surrogate standard responses in the dilution analyses of SB-04-11-12 and SB-6-10-11.

Two internal standards (ISs) produced very low responses in the undiluted analysis of SB-08-10-11. One of them was so low that the results for the six associated undetected analytes are not usable from that analyasis, and have been edited to reflect the elevated reporting limits that correspond to the acceptable IS responses in the dilution analysis of the sample. Low level results for compounds in that sample that are associated with a second outlying internal standard have been qualified as estimated in value.

Results for detected analytes that are derived from the low level analyses of SB-08-10-11 and SB-10-10-11 have been qualified as estimated due to elevated recoveries in those analyses.

The result for cis-1,2-dichloroethene, reported from the dilution analysis of SB-02-GW-13, is qualified as estimated due to an outlying surrogate recovery in that analysis.

Holding time requirements were met, and instrument tunes meet fragmentation requirements.

Blanks show no contamination. It is noted that, although not detected in the associated medium level blank, the detection of methylene chloride in SB-01-12-13 is at a concentration at the instrument level that is typical of laboratory contamination.

Matrix spikes of all analytes in the aqueous samples SB-03-GW-25 and PZ-5, and in the medium level analyses of SB-05-9-10 and SB-10-11 show acceptable recoveries and duplicate correlations. Low level soil matrix spike evaluations should have been processed by the laboratory. Accuracy and precision for the low level soils has not been determined; a strong matrix effect on analyte recoveries are suspected based on the surrogate standard responses in several of the samples.

The result for 1,3-dichloropropene in SB-01-12-13 has been qualified as estimated in value due to low recovery (75%) in the associated LCS.

Initial and continuing calibration standard (ICV and CCV) responses are within protocol and validation guidelines, with the following exceptions, results for which are qualified as estimated in the indicated samples:

- methylcyclohexane (24%D) in SB-03-GW-25 and SB-06-GW-13
- tetrachloroethene (28%D) in SB-10-GW-13 and SB-10-GW-25

Some of the samples were processed at initial dilution due to high target analyte and/or matrix component concentrations.

TICs that are flagged by the laboratory as "B" are rejected as sample components, as they are also present in the associated blank.

The laboratory TIC review is not in accordance with the analytical protocol requirements, in that some identifications are not accurate. Full validation would require laboratory resubmission of the TIC results.

TICs reported with a CAS number should have been flagged by the laboratory as "N" to indicate that the identifications are tentative.

Semivolatile Analyses by EPA8270C

SB-10-GW-13 produced recoveries for two of the acid surrogates that are below 10%. The sample should have been re-extracted to confirm matrix effect, but was not. Results for the acid (phenolic) compounds in that sample are therefore rejected, and are not usable. Base/neutral compound results are not affected.

Sample SB-02-GW_13 produced low recoveries for two base/neutral surrogate standards, and results for the base'neutral compounds in that sample have therefore been qualified as estimated in value.

It is noted that the laboratory acceptance ranges for the aqueous surrogate standard recoveries were very wide (generous), with the lowest limit of all six acceptance ranges at either 10% or 20%. The ranges should have been generated in compliance with the analytical protocol requirements.

Results for analytes initially reported with the laboratory "E" flag are derived from the dilution analyses of the samples.

The detection of 2,4-dimethylphenol in , SB-03-11-12, SB-04-11-12, SB-10-10-11, and SB-10-GW-13 are edited to reflect non-detection at the CRDL due to very poor mass spectral quality (incorrect identification):

The detections of dimethylphthalate in the soil samples are considered external contamination, as shown by the presence of that compound in the associated blanks. Those detections have been edited to reflect non-detection at the CRDL.

The matrix spikes of PZ-5 show recoveries below 10% for benzaldehyde and 4-chloroaniline show recoveries below 10%. Results for those two compounds in the parent sample are therefore rejected, and are not usable. Similarly, the matrix spikes of SB-03-GW-25 show a recovery below 10% for benzaldehyde, and the result for that analyte in rejected in that parent sample.

Matrix spikes of SB-10-10-11 show acceptable recoveries and duplicate correlations.

As with the surrogate standards the aqueous matrix spike acceptance ranges are inappropriately large (with all phenolics with a lower limit of 10%), and not generated according to protocol requirements.

Due to low recoveries in the associated LCSs, the results for 4-chloroaniline has been qualified as estimated in all samples.

Results for hexachlorocyclopentadiene and 4,6-dinitro-3-methylphenol in all soils reported in SDG C1610 except SB-6-10-11 are qualified as estimated due to low recoveries in the associated LCS.

Initial and continuing calibration standard (ICV and CCV) responses are within protocol and validation guidelines, with the following exceptions, results for which are qualified as estimated in the indicated samples:

- 2,4-dinitrophenol (low RRF) in all samples reported in SDG C1640
- benzaldehyde (22%D to 24%D in SB-01-GW-13, SB-01-GW-25, SB-02-GW-13, and all samples reported in SDG C1640 except SB-10-10-11

Holding time requirements were met, and instrument tunes meet fragmentation requirements. Internal standard recoveries are within required limits.

TICs that are flagged by the laboratory as "B" or "A" are rejected as sample components, as they are also present in the associated blank and/or are extraction artifacts.

The laboratory TIC review is not in accordance with the analytical protocol requirements, in that many identifications are not accurate. Full validation would require laboratory resubmission of the TIC results.

TICs reported with a CAS number should have been flagged by the laboratory as "N" to indicate that the identifications are tentative.

Volatile Analyses in Air by TO-15

The clean canister certification summaries were provided on request, and show low level contamination for some of the canisters prior to shipment for sample collection. Therefore, the following sample detections are considered external contamination, and have been edited to reflect non-detection:

- methylene chloride in SV-1 andSV-2
- methylene chloride and Freon 113 in AA-1

Results for AA-1 are qualified as estimated due to residual vacuum (-14"Hg) at sample receipt.

Many of the reported detections do not show mass spectra that support the identification. The following detections have been qualified as tentative in identification and estimated in value:

- hexane in SV-10
- heptane, styrene, and o-xylene in SV-3
- 1,2,4-trimethylbenzene, ethylbenzene, and o-xylene in SV-9
- 1,2,4-trimethylbenzene, ethylbenzene, and m,p-xylene in SV-7
- cyclohexane in SV-11

Due to very poor mass spectral quality and/or signal to noise response ratios, the following reported detections have been edited to reflect non-detection, often at significantly elevated reporting limits (due to matrix interferences).

- acetone in SV-2, SV-5, SV-9, and SV-X
- chloromethane in SV-2, SV-6, and SV-X
- isopropyl alcohol in SV-8
- benzene and 4-ethyltoluene in SV-3 and SV-10

- hexane in SV-5, SV-9, and SV-11
- 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene in SV-10
- acetone, hexane, isopropylbenzene, 4-ethyltoluene, and 1,3,5-trimethylbenzene in SV-7

The detected concentration of acetone in SV-6 has been qualified as estimated due to hydrocarbon interference in the quantitative ion channel.

Due to the low recoveries observed in the associated LCSs, the following analyte results have been qualified as estimated in the indicated samples:

- 2-hexanone, 4-methyl-2-pentanone, styrene, and vinyl acetate (37% to 66%) in AA-1, SV-1, SV-2, SV-X, SV-3, SV-4, SV-5, SV-6, and SV-8
- 1,2-dichlorobenzene, 1,2,4-trichlorobenzene, benzyl chloride, ethanol, and hexachlorobutadiene (40% to 69%) in SV-7, SV-9, SV-10, and SV-11

Calibration standard responses are acceptable, with the exception of those for 2-hexanone and styrene (31%D and 32%D) in the standard of 03/30/11. The results for those two compounds in AA-1, SV-1, SV-2, SV-X, SV-3, SV-4, SV-5, SV-6, and SV-8 have been qualified as estimated in value.

Holding times were met. Surrogate and internal standard recoveries are within required limits.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

Judy Harry

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected. The associated reported quantitation limit is an estimate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs and CASE NARRATIVES

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Cover Page

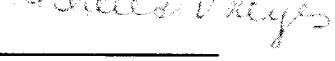
Order ID : C1610

Project ID : 02-66-384 Former Majestic cleaners

Client : Malcolm Pirnie, Inc.

Lab Sample Number	Client Sample Number
C1610-01	DUP-1
C1610-02	SB-01-12-13
C1610-03	SB-01-GW-13
C1610-04	SB-01-GW-25
C1610-05	SB-02-11-12
C1610-06	SB-02-GW-13
C1610-07	SB-02-GW-25
C1610-08	PZ-1
C1610-09	SB-03-11-12
C1610-10	SB-03-GW-13
C1610-11	SB-03-GW-25
C1610-12	C1610-11MS
C1610-13	C1610-11MSD
C1610-14	SB-04-11-12
C1610-15	SB-04-GW-13
C1610-16	SB-04-GW-25
C1610-17	SB-05-9-10
C1610-18	SB-05-GW-13
C1610-19	SB-05-GW-25
C1610-20	SB-06-10-11
C1610-21	SB-06-GW-13
C1610-22	SB-06-GW-25
C1610-23	TRIPBLANK

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : 

Mildred V. Reyes, QA/QC Supervisor
2011.04.14 14:17:22 -04'00'

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Cover Page

Order ID : C1640

Project ID : 02-66-384 Former Majestic cleaners

Client : Malcolm Pirnie, Inc.

Lab Sample Number	Client Sample Number
C1640-01	PZ-3
C1640-02	PZ-X
C1640-03	PZ-5
C1640-04	C1640-03MS
C1640-05	C1460-03MSD
C1640-06	PZ-6
C1640-07	SB-07-10-11
C1640-08	SB-07-GW-13
C1640-09	SB-07-GW-25
C1640-11	SB-08-GW-13
C1640-12	SB-08-GW-25
C1640-13	SB-09-9-10
C1640-14	SB-09-GW-13
C1640-15	SB-09-GW-25
C1640-16	SB-10-10-11
C1640-17	SB-10-GW-13
C1640-18	SB-10-GW-25
C1640-19	PZ-4R
C1640-20	TRIPBLANK
C1640-21	SB-08-10-11

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : M Edred V Reyes

Mildred V. Reyes, QA/QC Supervisor
2011.04.15 13:32:28 -04'00'

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Malcolm Pirnie - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: Stefan Bagnato

REPORT DATE: 4/5/2011

PURCHASE ORDER NUMBER:

PROJECT NUMBER: NY DEC 0266384-Majestic Cleaners

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11C0770

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Majestic Cleaners

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
AA-1	11C0770-01	Ambient Air		EPA TO-15	
SV-1	11C0770-02	Soil Gas		EPA TO-15	
SV-2	11C0770-03	Soil Gas		EPA TO-15	
SV-X	11C0770-04	Soil Gas		EPA TO-15	
SV-3	11C0770-05	Soil Gas		EPA TO-15	
SV-4	11C0770-06	Soil Gas		EPA TO-15	
SV-5	11C0770-07	Soil Gas		EPA TO-15	
SV-6	11C0770-08	Soil Gas		EPA TO-15	
SV-7	11C0770-09	Soil Gas		EPA TO-15	
SV-8	11C0770-10	Soil Gas		EPA TO-15	
SV-9	11C0770-11	Soil Gas		EPA TO-15	
SV-10	11C0770-12	Soil Gas		EPA TO-15	
SV-11	11C0770-13	Soil Gas		EPA TO-15	

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: 02-66-384 Former Majestic cleaners
Project # N/A
Chemtech Project # C1610
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 03/23/2011.
17 Water samples were received on 03/23/2011.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_D were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by SUPELCO, K (VOACARB 3000) , TEKMAR LSC-2000 Concentrator.The analysis performed on instrument MSVOA_E were done using GC column RTX-VMS which is 60 meters, 0.25 mm id, 1.40 um df, Zebron. #ZB-624. The Trap was supplied by OI Analytical, OI #130107 Trap , OI Eclipse 4660 Concentrator.The analysis performed on instrument MSVOA_F were done using GC column RTX-VMS, which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator.The analysis performed on instrument MSVOA_H were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.The analysis performed on instrument MSVOA_K were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI 4560 Concentrator.The analysis of VOC-TCLVOA-10 was based on method 8260B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for SB-04-11-12 [4-Bromofluorobenzene - 177%], SB-06-10-11DL [Toluene-d8 - 58%] and and SB-02-GW-13DL [4-Bromofluorobenzene - 132%.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS {C1610-17MS} with File ID: VE021435.D recoveries met the requirements for all compounds except for Bromomethane[19%], Chloroethane[27%] and Trichlorofluoromethane[34%] .

The MSD {C1610-17MSD} with File ID: VE021436.D recoveries met the acceptable requirements except for Bromomethane[20%], Chloroethane[28%] and Trichlorofluoromethane[36%] .
The RPD recoveries met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration File ID VD032377.D met the requirements except for Trichlorofluoromethane,Carbon Tetrachloride,Bromodichloromethane,Bromoform and 1,2,4-Trichlorobenzene .The Continuous Calibration File ID VE021444.D met the requirements except for Acetone .The Continuous Calibration File ID VH039911.D met the requirements except for Acetone .
The Tuning criteria met requirements.
Samples SB-01-12-13 was diluted due to bad matrix.
Samples SB-04-11-12, SB-05-9-10, SB-05-GW-25, SB-06-10-11, SB-02-GW-13 and SB-05-GW-13 were diluted due to high concentrations.

E. Additional Comments:

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature M Reyes

Mildred V. Reyes, QA/QC Supervisor
2011.04.14 14:17:11 -04'00'

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: 02-66-384 Former Majestic cleaners
Project # N/A
Chemtech Project # C1610
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 03/23/2011.
17 Water samples were received on 03/23/2011.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_B using GC Column RTX-5 SILMS which is 30 meters, 0.32 mm ID, 0.5 um df, Catalog # 12739-125.The samples were analyzed on instrument BNA_E using GC Column RTX-5 SILMS which is 20 meters, 0.18 mm ID, 0.36 um df, Catalog # 42704.The samples were analyzed on instrument BNA_F using GC Column RTX-5 SILMS which is 20 meters, 0.18 mm ID, 0.36 um df, Catalog # 42704.The analysis of SVOC-TCL BNA -20 was based on method 8270C and extraction was done based on method 3541/3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for SB-02-11-12 [Nitrobenzene-d5 - 164%], SB-02-GW-13 [Nitrobenzene-d5 - 12%, Terphenyl-d14 - 16%], SB-02-GW-13RE [Nitrobenzene-d5 - 9%, Phenol-d5 - 9%, Terphenyl-d14 - 16%], SB-04-11-12 [Nitrobenzene-d5 - 152%] and SB-04-11-12DL [Nitrobenzene-d5 - 306%].
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS {C1620-01MS} with File ID: BE069886.D recoveries met the requirements for all compounds except for 2,4-Dinitrophenol[7%] and Pentachlorophenol[7%] .
The MSD {C1620-01MSD} with File ID: BE069887.D recoveries met the acceptable requirements except for 2,4-Dinitrophenol[7%] and Pentachlorophenol[9%] .The MSD {C1610-13MSD} with File ID: BF044504.D recoveries met the acceptable requirements except for Benzaldehyde[7%] .
The RPD for {C1620-01MSD} with File ID: BE069887.D recoveries met criteria except for 2,4,5-Trichlorophenol[33%], 2,4,6-Trichlorophenol[67%], 2-Nitrophenol[33%], Hexachlorocyclopentadiene[21%] and Pentachlorophenol[25%] .
The RPD for {C1610-13MSD} with File ID: BF044504.D recoveries met criteria except for 3-Nitroaniline[21%], Benzaldehyde[103%] .

The Blank Spike for {PB54300BS} with File ID: BE069888.D met requirements for all samples except for 4,6-Dinitro-2-methylphenol[35%] and Hexachlorocyclopentadiene[30%] .
The Blank Spike Duplicate met requirements for all samples .The Blank Spike for {PB54344BS} with File ID: BF044420.D met requirements for all samples except for 4-Chloroaniline[19%] .
The Blank analysis indicated presence of Dimethylphthalate[290 ug/Kg] FileID:BF044419.D{PB54344B} due to possible lab contamination.
The Blank analysis indicated presence of Dimethylphthalate[210 ug/Kg] FileID:BE069889.D{PB54300B} due to possible lab contamination.
The Initial Calibrations met the requirements except for ICAL BE040411 for Benzaldehyde. This compound was not detected in the samples.
The Continuous Calibration File ID BB055508.D met the requirements except for Benzaldehyde .
The Continuous Calibration File ID BF044497.D met the requirements except for Benzaldehyde .
The Continuous Calibration File ID BF044542.D met the requirements except for Benzaldehyde .
The Tuning criteria met requirements.
Samples SB-04-11-12, SB-06-10-11 were diluted due to high concentrations.

E. Additional Comments:
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature M Mildred V Reyes Mildred V. Reyes, QA/QC Supervisor 2011.04.15 08:02:46 -04'00'

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: 02-66-384 Former Majestic cleaners
Project # N/A
Chemtech Project # C1640

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 3/25/11.
17 Water samples were received on 3/25/11.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20 and TCL Volatiles+10. This data package contains results for TCL Volatiles+10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_E were done using GC column RTX-VMS which is 60 meters, 0.25 mm id, 1.40 um df, Zebron. #ZB-624. The Trap was supplied by OI Analytical, OI #130107 Trap , OI Eclipse 4660 Concentrator.The analysis performed on instrument MSVOA_F were done using GC column RTX-VMS, which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator.The analysis performed on instrument MSVOA_K were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI 4560 Concentrator.
The analysis and purge of TCL Volatiles + 10 was based on method 8260/5030/5035.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for SB-08-10-11 and SB-10-10-11. Samples were re-analyzed.
The Internal Standards Areas met the acceptable requirements except for SB-08-10-11. This sample was re-analyzed.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds except for Bromomethane, Chloroethane and Trichlorofluoromethane.
The MSD recoveries met the acceptable requirements except for Bromomethane, Chloroethane and Trichlorofluoromethane.
The RPD recoveries met criteria except for Acetone, 2-Butanone and Bromomethane.
The Blank Spike met requirements for all samples except for Carbon Tetrachloride in File ID: VE021464.D
The Blank analysis did not indicate the presence of lab contamination.
The Tuning criteria met requirements.

The %RSD is greater than 15% in Initial Calibration (Method 82F032411W.M) for Bromomethane, Chloroethane, Acetone, Carbon Disulfide, Methyl Acetate, Methylene Chloride, 2-Butanone, 4-Methyl-2-Pentanone, Tetrachloroethene, m/p-Xylenes, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dibromo-3-Chloropropane and 1,2,4-Trichlorobenzene. Trichlorofluoromethane, Tetrachloroethene, Isopropylbenzene and 1,2-Dibromo-3-Chloropropane in (Method 82F032911W.M) and Dichlorodifluoromethane in (Method 82K032511S.M). Linear regression was performed for these compounds and the Coef of det(r^2) is greater than 0.99.
The Continuing Calibration File ID: VE021444.D met the requirements except for Acetone.
The Continuing Calibration File ID:VF026101.D met the requirements except for 4-Methyl-2-Pentanone, 2-Hexanone, Isopropylbenzene and 1,1,2,2-Tetrachloroethane.

E. Additional Comments:

Samples SB-10-10-11, SB-10-GW-13 and SB-08-10-11 were diluted due to high concentrations.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_ M Mildred V Reyes Mildred V. Reyes, QA/QC Supervisor 2011.04.15 13:32:10 -04'00'

CHEMTECH

284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: 02-66-384 Former Majestic cleaners
Project # N/A
Chemtech Project # C1640

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 3/25/11.
17 Water samples were received on 3/25/11.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20, TCL Volatiles + 10, and TCL Volatiles+10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_E using GC Column RTX-5 SILMS which is 20 meters, 0.18 mm ID, 0.36 um df, Catalog # 42704.The samples were analyzed on instrument BNA_F using GC Column RTX-5 SILMS which is 20 meters, 0.18 mm ID, 0.36 um df, Catalog # 42704.
The analysis of TCL semi Volatiles was based on method 8270 and extraction was done based on method 3541/3510.

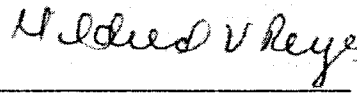
D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for SB-10-10-11MSD, SB-10-GW-13, SB-10-GW-13RE and SB-08-10-11.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds except for Benzaldehyde, 4-Chloroaniline and Isophorone.
The MSD recoveries met the acceptable requirements except for Benzaldehyde and Isophorone.
The RPD recoveries met criteria except for Benzaldehyde, 4-Chloroaniline, 3-Nitroaniline, Hexachloroethane, Hexachlorocyclopentadiene, 2,4-Dinitrophenol, Phenanthrene, Pyrene, Butylbenzylphthalate, Benzo(a)anthracene, bis(2-Ethylhexyl)phthalate, 2-Methylphenol and Benzo(b)fluoranthene.
The Blank Spike File ID: BF044420.D met requirements for all samples except for 4-Chloroaniline.
The Blank analysis File ID: BF044419.D and BF044423.D indicated presence of Dimethylphthalate (290%, 140%) due to possible lab contamination.

The %RSD is greater than 15% in Initial Calibration (Method BF040111.M) for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol. Linear regression was performed for these compounds and the Coef of det(r^2) is greater than 0.99.
The Countinuing Calibration File ID:BF044456.D met the requirements except for Benzaldehyde and Caprolactam; in File ID BF044523 Benzaldehyde and 2,4-Dinitrophenol. In File ID BF044497.D and BF044542 Benzaldehyde did not meet the requirement.
The Tuning criteria met requirements.
Sample SB-08-10-11 was diluted due to bad matrix.

E. Additional Comments:

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature  Mildred V. Reyes, QA/QC Supervisor
2011.04.15 15:01:45 -04'00'

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA TO-15

Qualifications:

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:

Tetrachloroethylene

B028215-DUP1

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), Benzyl chloride, Ethanol, Hexachlorobutadiene, Styrene, Vinyl Acetate

11C0770-09[SV-7], 11C0770-11[SV-9], 11C0770-12[SV-10], 11C0770-13[SV-11], B028216-BLK1, B028216-BS1, 11C0770-01[AA-1], 11C0770-02[SV-1], 11C0770-03[SV-2], 11C0770-04[SV-X], 11C0770-05[SV-3], 11C0770-06[SV-4], 11C0770-07[SV-5], 11C0770-08[SV-6], 11C0770-10[SV-8], B028215-BLK1, B028215-BS1, B028215-DUP1

Elevated reporting limit due to high concentration of target compounds. Requested detection limit not met.

Analyte & Samples(s) Qualified:

11C0770-09[SV-7], 11C0770-10[SV-8], 11C0770-11[SV-9], 11C0770-13[SV-11]

Elevated reporting limit due to high concentration of non-target compounds. Requested detection limit not met.

Analyte & Samples(s) Qualified:

11C0770-12[SV-10]

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Styrene

11C0770-01[AA-1], 11C0770-02[SV-1], 11C0770-03[SV-2], 11C0770-04[SV-X], 11C0770-05[SV-3], 11C0770-06[SV-4], 11C0770-07[SV-5], 11C0770-08[SV-6], 11C0770-10[SV-8], B028215-BLK1, B028215-BS1, B028215-DUP1, S000675-CCV1

QUALIFIED CLIENT RESULTS TABLES

Change MDL → RLs

Table 2
Summary of Soil Sampling Results (VOCs/SVOCs)
Former Majestic Garment Cleaners
Brooklyn, New York

DRAFT
DATA NOT VALIDATED

dates should be "2011"

* = "630 U" 630 U

Boring ID	375 Unrestricted Use Soil Cleanup Objective ug/kg	6 NYCRR Part 375 Residential Soil Cleanup Objective ug/kg		6 NYCRR Part 375 Commercial Soil Cleanup Objective ug/kg	SB-01	SB-02	SB-03	SB-04	SB-05	SB-06	SB-07	SB-08	SB-09	SB-10
Sample Depth (feet)					12-13	11-12	11-12	11-12	9-10	10-11	10-11	10-11	9-10	10-11
Sampling Date					3/22/2001	3/22/2001	3/22/2001	3/22/2001	3/22/2001	3/22/2001	3/24/2011	3/24/2011	3/24/2011	3/24/2011
Matrix					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units					ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
VOCs														
1,1,1-Trichloroethane					470 U	47 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	0.89 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	680			500,000	360 U	36 U	0.55 U	0.56 U	0.59 U	0.57 U	0.63 U	* ~~0.46 U~~ 630 U UJ	0.58 U	0.56 U
1,1,2-Trichloroethane					440 U	44 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	0.91 U	1.1 U	1.1 U
1,1,2-Trichlorotrifluoroethane					530 U	53 U	1.6 U	1.6 U	1.7 U	1.6 U	1.8 U	1.3 U	1.7 U	1.6 U
1,1-Dichloroethane					420 U	42 U	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U	0.95 U	1.2 U	1.1 U
1,1-Dichloroethene	270			240,000	550 U	55 U	1.7 U	1.8 U	1.9 U	1.8 U	2 U	1.5 U	1.9 U	1.8 U
1,2,4-Trichlorobenzene					720 U	72 U	0.83 U	0.86 U	0.89 U	0.87 U	0.96 U	* ~~0.71~~ 630 U	0.89 U	0.86 U
1,2-Dibromo-3-chloropropane	3,600	47,000	52,000	190,000	540 U	54 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	* ~~0.86~~ 630 U	1.1 U	1.1 U
1,2-Dibromoethane					480 U	48 U	0.76 U	0.78 U	0.81 U	0.79 U	0.88 U	0.65 U	0.81 U	0.78 U
1,2-Dichlorobenzene					530 U	53 U	0.74 U	0.76 U	0.79 U	0.77 U	0.85 U	* ~~0.62~~ 630 U	0.79 U	0.76 U
1,2-Dichloroethane	1,100			500,000	560 U	56 U	0.76 U	0.78 U	0.81 U	0.79 U	0.88 U	0.65 U	0.81 U	0.78 U
1,2-Dichloropropane	20			30,000	540 U	54 U	0.31 U	0.32 U	0.33 U	0.32 U	0.36 U	0.26 U	0.33 U	0.32 U
1,3-Dichlorobenzene					500 U	50 U	0.44 U	0.45 U	0.47 U	0.46 U	0.51 U	* ~~0.37~~ 630 U	0.47 U	0.45 U
1,4-Dichlorobenzene	8,400	47,000	52,000	190,000	370 U	37 U	0.49 U	0.5 U	0.52 U	0.51 U	0.56 U	* ~~0.41~~ 630 U	0.52 U	0.5 U
2-Butanone (MEK)	120	100,000	100,000	500,000	1,500 U	150 U	18 J	4 U	4 U	4 U	4 U	3 U	20 J	16 J J
2-Hexanone	1,800			30,000	2,300 U	230 U	5 U	5 U	5 U	5 U	5 U	4 U	5 U	5 U
4-Methyl-2-pentanone					2,500 U	250 U	4 U	4 U	4 U	4 U	4 U	3 U	4 U	4 U
Acetone	50	100,000	100,000	500,000	3,200 U	320 U	58	14 J J	4 U	4 U	31 J	53 J	68	39 J
Benzene	60	2,900	4,800	44,000	370 U	37 U	0.45 U	1.3 ~~3~~ J	0.48 U	150 ~~83~~ J	0.52 U	0.38 U	0.48 U	0.46 U
Bromodichloromethane	50	100,000	100,000	500,000	420 U	42 U	0.74 U	0.76 U	0.79 U	0.77 U	0.85 U	0.62 U	0.79 U	0.76 U
Bromoform	60	2,900	4,800	44,000	550 U	55 U	0.88 U	0.9 U	0.94 U	0.92 U	1 U	0.75 U UJ	0.94 U	0.9 U
Bromomethane					720 U	72 U	2.9 U	3 U	3.1 U	3 U	3.4 U	2.5 U	3.1 U	3 U
Carbon Disulfide					630 U	63 U	1.3 U	1.3 U	1.3 U	1.3 U	1.5 U	1.1 U	1.3 U	1.3 U
Carbon Tetrachloride					720 U	72 U	1.2 J	1.2 U	1.3 U	1.2 U	1.4 U	1 U	1.3 U	1.2 U
Chlorobenzene					570 U	57 U	0.59 U	0.61 U	0.64 U	0.62 U	0.69 U	0.5 U UJ	0.63 U	0.61 U
Chloroethane					770 U	77 U	1.7 U	1.7 U	1.8 U	1.7 U	1.9 U	1.4 U	1.8 U	1.7 U
Chloroform					400 U	40 U	0.88 U	0.9 U	0.94 U	0.92 U	1 U	0.75 U	0.94 U	0.9 U
Chloromethane					630 U	560 J	1 U	1.1 U	1.1 U	1.1 U	1.2 U	0.87 U	1.1 U	1.1 U
cis-1,2-Dichloroethene	250	59,000	100,000	500,000	410 U	170 J	1.1 U	760 ~~85~~ J	8.2 J	1,400 ~~87~~ J	1.2 U	22 J	1.1 U	2.2 J J
cis-1,3-Dichloropropene					360 U UJ	36 U	0.86 U	0.88 U	0.92 U	0.89 U	0.99 U	0.73 U	0.91 U	0.88 U
Cyclohexane					640 U	64 U	1.2 U	1.2 U	1.3 U	1 U	1 U	5 J	1.3 U	1.2 U
Dibromochloromethane	370	10,000	49,000	350,000	610 U	61 U	0.64 U	0.66 U	0.69 U	0.67 U	0.74 U	0.54 U	0.68 U	0.66 U
Dichlorodifluoromethane					640 U	64 U	0.77 U	0.79 U	0.83 U	0.81 U	0.89 U	0.66 U	0.82 U	0.79 U
Ethylbenzene	1,000	30,000	41,000	500,000	620 U	1,000	28 ~~28~~	390 ~~10~~ J	0.79 U	0.77 U	0.85 U	580 JD J	0.79 U	0.76 U
isopropylbenzene					9,500	4,900	110	1500 ~~25~~ J	0.61 U	1 U	1 U	7,800 D	34	620 D
m,p-Xylene	260 (total xylene)	100,000 (total)	100,000 (total)	500,000 (total)	1,100 U	350 J	1 U	19	1 U	1 U	1 U	1 U UJ	1 U	1 U
Methyl Acetate					970 U	97 U	1.8 U	1.8 U	1.9 U	1.9 U	2.1 U	1.5 U	1.9 U	1.8 U
Methyl tert-butyl ether	1,000	30,000	41,000	390,000	410 U	41 U	1.1 U	1.2 U	1.2 U	1.2 U	1.3 U	0.97 U	1.2 U	1.2 U
Methylcyclohexane					790 U	2,800	13	700 ~~12~~ J	1 U	1 U	2 U	2,400 D	3 J	240 JD
Methylene Chloride	50	51,000	100,000	500,000	2,300 J	48 U	1.7 U	1.7 U	1.8 U	1.8 U	2 U	1.4 U	1.8 U	1.7 U
o-Xylene	260 (total xylene)	100,000 (total)	100,000 (total)	500,000 (total)	500 U	500 J	0.81 U	690 ~~22~~ J	0.86 U	0.84 U	0.94 U	0.69 U UJ	0.86 U	0.83 U
Styrene	930			500,000	420 U	42 U	0.53 U	0.55 U	0.57 U	0.56 U	0.62 U	0.45 U	0.57 U	0.55 U
Tetrachloroethene	1,300	5,500	19,000	150,000	320 U	32 U	1.2 U	3,300 ~~5~~ J	1,400 D J	6,800 D J	120	930 D	1.3 U	63 J
Toluene					430 U	43 U	0.76 U	0.78 U	0.81 U	0.79 U	0.88 U	0.65 U	0.81 U	1.7 J J
trans-1,2-Dichloroethene	190	100,000	100,000	500,000	480 U	48 U	0.82 U	0.84 U	0.88 U	1.3 J J	0.95 U	0.7 U	0.88 U	0.84 U
trans-1,3-Dichloropropene	3,900	100,000	100,000	500,000	340 U	34 U	0.94 U	0.97 U	1 U	0.98 U	1.1 U	0.8 U	1 U	0.97 U
Trichloroethene	470	10,000	21,000	200,000	330 U	33 U	1 U	520 ~~22~~ J	6.1 J J	590 ~~10~~ J	1.2 U	12 J	1.1 U	1.7 J J
Trichlorofluoromethane	11,000	100,000	100,000	500,000	410 U	41 U	1.6 U	1.6 U	1.7 U	1.6 U	1.8 U	1.3 U	1.7 U	1.6 U
Vinyl Chloride					400 U	40 U	1.5 U	1.5 U	1.6 U	1.5 U	1.7 U	1.2 U	1.6 U	1.5 U

Table 2
Summary of Soil Sampling Results (VOCs/SVOCs)
Former Majestic Garment Cleaners
Brooklyn, New York

DRAFT
DATA NOT VALIDATED

Boring ID	SPS Unrestricted Use Soil Cleanup Objective ug/kg	6 NYCRR Part 375 Residential Soil Cleanup Objective ug/kg	[redacted]	6 NYCRR Part 375 Commercial Soil Cleanup Objective ug/kg	SB-01	SB-02	SB-03	SB-04	SB-05	SB-06	SB-07	SB-08	SB-09	SB-10
Sample Depth (feet)					12-13	11-12	11-12	11-12	9-10	10-11	10-11	10-11	9-10	10-11
Sampling Date					3/22/2001	3/22/2001	3/22/2001	3/22/2001	3/22/2001	3/22/2001	3/24/2011	3/24/2011	3/24/2011	3/24/2011
Matrix					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units					ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SVOCs														
1,1-Biphenyl					15 U	15 U	15 U	15 U	16 U	16 U	17 U	310 U	16 U	15 U
2,2-oxybis(1-Chloroprcpane)					16 U	16 U	16 U	17 U	18 U	17 U	19 U	340 U	17 U	17 U
2,4,5-Trichlorophenol					28 U	27 U	28 U	28 U	30 U	29 U	32 U	580 U	30 U	28 U
2,4,6-Trichlorophenol					12 U	12 U	12 U	12 U	13 U	13 U	14 U	250 U	13 U	12 U
2,4-Dichlorophenol					15 U	15 U	15 U	15 U	16 U	16 U	17 U	320 U	16 U	15 U
2,4-Dimethylphenol					22 U	500	390 ~~580~~ U	400 ~~1,100~~ U	24 U	24 U	26 U	1,400 J	24 U	~~260 J~~ U
2,4-Dinitrophenol					40 U	40 U	40 U	41 U	43 U	42 U	46 UJ	850 UJ	43 UJ	41 UJ
2,4-Dinitrotoluene					12 U	12 U	12 U	12 U	13 U	13 U	14 U	250 U	13 U	12 U
2,6-Dinitrotoluene					16 U	16 U	16 U	17 U	17 U	17 U	19 U	340 U	17 U	17 U
2-Chloronaphthalene					9 U	9 U	9 U	9 U	10 U	10 U	10 U	190 U	10 U	9 U
2-Chlorophenol					21 U	21 U	21 U	21 U	22 U	22 U	24 U	440 U	22 U	21 U
2-Methylnaphthalene					1,000	430	10 U	540	11 U	10 U	11 U	210 U	11 U	10 U
2-Methylphenol					21 U	21 U	22 U	22 U	23 U	23 U	25 U	450 U	23 U	22 U
2-Nitroaniline					17 U	17 U	18 U	18 U	19 U	18 U	20 U	370 U	19 U	18 U
2-Nitrophenol					19 U	19 U	19 U	20 U	21 U	20 U	22 U	400 U	20 U	20 U
3,3-Dichlorobenzidine					25 U	25 U	25 U	26 U	27 U	27 U	29 U	530 U	27 U	26 U
3+4-Methylphenols					20 U	20 U	21 U	21 U	22 U	22 U	24 U	430 U	22 U	21 U
3-Nitroaniline					25 U	25 U	25 U	26 U	27 U	27 U	29 U	530 U	27 U	26 U
4,6-Dinitro-2-methylphenol					22 UJ	22 UJ	23 UJ	23 UJ	24 UJ	24 U	26 U	480 U	24 U	23 U
4-Bromophenyl-phenylether					8 U	8 U	8 U	8 U	8 U	8 U	9 U	160 U	8 U	8 U
4-Chloro-3-Methylphenol					17 U	17 U	18 U	18 U	19 U	18 U	20 U	370 U	19 U	18 U
4-Chloroaniline					28 UJ	28 UJ	28 UJ	29 UJ	30 UJ	29 UJ	32 UJ	590 UJ	30 UJ	29 UJ
4-Chlorophenyl-phenylether					21 U	21 U	22 U	22 U	23 U	23 U	25 U	450 U	23 U	22 U
4-Nitroaniline					51 U	51 U	52 U	53 U	55 U	54 U	59 U	1,100 U	55 U	53 U
4-Nitrophenol					73 U	73 U	74 U	75 U	79 U	77 U	85 U	1,500 U	78 U	75 U
Acenaphthene	20,000	100,000	100,000	500,000	11 U	11 U	11 U	310 J	12 U	58 J	13 U	230 U	12 U	11 U
Acenaphthylene	100,000	100,000	100,000	500,000	10 U	10 U	10 U	100 J	11 U	10 U	11 U	210 U	11 U	10 U
Acetophenone					12 U	12 U	12 U	12 U	13 U	13 U	14 U	250 U	13 U	12 U
Anthracene	100,000	100,000	100,000	500,000	8 U	8 U	8 U	350 J	9 U	230 J	9 U	1,400 J	9 U	8 U
Atrazine					21 U	21 U	21 U	21 U	22 U	22 U	24 U	440 U	22 U	21 U
Benzaldehyde					20 U	20 U	21 U	21 U	22 U	22 U	24 UJ	430 UJ	22 UJ	21 UJ
Benzo(a)anthracene	1,000	1,000	1,000	5,600	19 U	140 J	19 U	480	20 U	470	71 J	[redacted]	20 U	57 J
Benzo(a)pyrene	1,000	1,000	1,000	1,000	9 U	170 J	9 U	420	9 U	440	77 J	2,600 J	9 U	9 U
Benzo(b)fluoranthene	1,000	1,000	1,000	5,600	13 U	230 J	13 U	520	14 U	590	15 U	[redacted]	14 U	65 J
Benzo(g,h,i)perylene	100,000	100,000	100,000	500,000	16 U	130 J	16 U	270 J	17 U	330 J	58 J	1,600 J	17 U	16 U
Benzo(k)fluoranthene	800	1,000	3,900	56,000	18 U	68 J	19 U	140 J	20 U	190 J	21 U	[redacted]	20 U	19 U
bis(2-Chloroethoxy)methane					23 U	23 U	23 U	23 U	25 U	24 U	26 U	480 U	24 U	23 U
bis(2-Chloroethyl)Ether					19 U	19 U	19 U	19 U	20 U	20 U	22 U	400 U	20 U	19 U
bis(2-Ethylhexyl)phthalate					1,000	670	440	8,800 D	15 U	3,700 D	16 U	1,800 J	74 J	460
Butylbenzylphthalate					19 U	93 J	19 U	140 J	20 U	20 U	22 U	400 U	20 U	19 U
Caprolactam					18 U	18 U	18 U	19 U	20 U	19 U	21 U	390 U	20 U	19 U
Carbazole					9 U	9 U	9 U	9 U	9 U	92 J	10 U	180 U	9 U	9 U
Chrysene	1,000	1,000	3,900	56,000	18 U	160 J	18 U	530	19 U	460	74 J	[redacted]	19 U	63 J

Table 2
Summary of Soil Sampling Results (VOCs/SVOCs)
Former Majestic Garment Cleaners
Brooklyn, New York

DRAFT
DATA NOT VALIDATED

Boring ID	375 Unrestricted Use Soil Cleanup Objective ug/kg	6 NYCRR Part 375 Residential Soil Cleanup Objective ug/kg	[redacted]	6 NYCRR Part 375 Commercial Soil Cleanup Objective ug/kg	SB-01	SB-02	SB-03	SB-04	SB-05	SB-06	SB-07	SB-08	SB-09	SB-10
Sample Depth (feet)					12-13	11-12	11-12	11-12	9-10	10-11	10-11	10-11	9-10	10-11
Sampling Date					3/22/2001	3/22/2001	3/22/2001	3/22/2001	3/22/2001	3/22/2001	3/24/2011	3/24/2011	3/24/2011	3/24/2011
Matrix					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units					ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dibenzo(a,h)anthracene	330	330	330	560	11 U	11 U	11 U	69 J	12 U	77 J	13 U	240 U	12 U	12 U
Dibenzofuran					15 U	15 U	15 U	140 J	17 U	57 J	18 U	320 U	16 U	16 U
Diethylphthalate					6 U	6 U	6 U	6 U	7 U	7 U	7 U	130 U	7 U	6 U
Dimethylphthalate					~~220 JB~~ U	~~370 JB~~ U	~~300 JB~~ U	~~400 JB~~ U	~~390 JB~~ U	~~300 JB~~ U	~~250 JB~~ U	220 U	~~330 JB~~ U	~~450 B~~ U
Di-n-butylphthalate					31 U	31 U	31 U	160 J	33 U	180 J	36 U	650 U	33 U	32 U
Di-n-octylphthalate					47 J	5 U	5 U	350 J	5 U	2,400	5 U	95 U	5 U	5 U
Fluoranthene	100,000	100,000	100,000	500,000	42 J	270 J	54 J	1,300	9 U	1,100	170 J	8,400	9 U	140 J
Fluorene	30,000	100,000	100,000	500,000	7 J	15 U	15 U	370 J	16 U	69 J	17 U	310 U	16 U	15 U
Hexachlorobenzene					16 U	16 U	16 U	17 U	17 U	17 U	19 U	340 U	17 U	17 U
Hexachlorobutadiene					14 U	14 U	14 U	15 U	15 U	15 U	17 U	300 U	15 U	15 U
Hexachlorocyclopentadiene					10 U UJ	10 U UJ	10 U UJ	10 U UJ	10 U UJ	10 U	11 U	200 U	10 U	10 U
Hexachloroethane					18 U	18 U	18 U	18 U	19 U	19 U	20 U	370 U	19 U	18 U
Indeno(1,2,3-cd)pyrene	500	500	500	5,600	13 U	110 J	13 U	240 J	14 U	230 J	15 U	[redacted]	14 U	13 U
Isophorone					13 U	13 U	13 U	13 U	14 U	14 U	15 U	270 U	14 U	13 U
Naphthalene	12,000	100,000	100,000	500,000	1,500	990	95 J	1,200	15 U	78 J	16 U	1,400 J	15 U	14 U
Nitrobenzene					15 U	15 U	15 U	15 U	16 U	16 U	17 U	310 U	16 U	15 U
N-Nitroso-di-n-propylamine					20 U	20 U	20 U	20 U	21 U	21 U	23 U	420 U	21 U	20 U
N-Nitrosodiphenylamine(1)					9 U	9 U	10 U	10 U	10 U	10 U	11 U	200 U	10 U	10 U
Pentachlorophenol				6.7	27 U	27 U	27 U	28 U	29 U	28 U	31 U	570 U	29 U	28 U
Phenanthrene	100,000	100,000	100,000	500,000	140 J	100 J	53 J	1,600	12 U	980	120 J	6,800 J	11 U	81 J
Phenol		100,000	100,000	500	9 U	9 U	9 U	9 U	10 U	10 U	11 U	190 U	10 U	9 U
Pyrene	100,000	100,000	100,000	500,000	54 J	250 J	49 J	1,400	10 U	1,000	140 J	6,300 J	10 U	190 J
Total TICs														

Notes
Higlighted cells correspond to highest Soil Cleanup Objective exceeded.
U - The compound was not detected at the indicated concentration.
J - The concentration given is an approximate value.
N - The analysis indicates the presence of an analyte that has been "tentatively identified".
D - Concentration obtained from a dilution.
B - The compound was detected in the associated trip blank.

Table 3
Summary of Groundwater Sampling Results (VOCs/SVOCs)
Former Majestic Garment Cleaners
Brooklyn, New York

DRAFT
DATA NOT VALIDATED

Well / Boring ID	NYSDEC Class GA	PZ-1			PZ-3			PZ-4R	PZ-5	PZ-6
Depth (ft. bgs)										
Sampling Date	Standard or Guidance Value	10/19/2010	PZ-X 10/19/2010	3/22/2011	10/19/2010	3/23/2011	PZ-X 3/23/2011	3/24/2011	3/24/2011	3/24/2011
Matrix		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOCs										
1,1,1-Trichloroethane	5	1 U	1 U	0.4 U	1 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	0.31 U	1 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
1,1,2-Trichloroethane	1	1 U	1 U	0.38 U	1 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
1,1,2-Trichlorotrifluoroethane	5	1 U	1 U	0.45 U	1 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,1-Dichloroethane	5	1 U	1 U	0.36 U	1 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
1,1-Dichloroethene	5	1 U	1 U	0.47 U	1 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1.9	1 U	3.1 J	1.2 J	0.2 U	0.2 U	1.2
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	0.46 U	1 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
1,2-Dibromoethane	5	1 U	1 U	0.41 U	1 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
1,2-Dichlorobenzene	3	1 U	1 U	0.45 U	1 U	0.45 U	0.45 U	1.1	0.45 U	0.45 U
1,2-Dichloroethane	0.6	1 U	1 U	0.48 U	1 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
1,2-Dichloropropane	1	1 U	1 U	0.46 U	1 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
1,3-Dichlorobenzene	3	1 U	1 U	0.43 U	1 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
1,4-Dichlorobenzene	3	1 U	1 U	0.32 U	1 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
2-Butanone (Methyl ethyl ketone)	50	5 U	5 U	1.3 U	5 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
2-Hexanone	50*	5 U	5 U	1.9 U	5 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
4-Methyl-2-Pentanone		5 U	5 U	2.1 U	5 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Acetone	50*	5 U	5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	1	1 U	1 U	0.32 U	1 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
Bromodichloromethane	50*	1 U	1 U	0.36 U	1 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Bromoform	50*	1 U	1 U	0.47 U	1 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Bromomethane	5	1 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Disulfide		1 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	5	1 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	5	1 U	1 U	0.49 U	1 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U
Chloroethane	5	1 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	7	1 U	1 U	0.34 U	1 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Chloromethane		0.66 J	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	5	15	16	65	1 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
cis-1,3-Dichloropropene	0.4**	1 U	1 U	0.31 U	1 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Cyclohexane		1 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	50	1 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane	5	1 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Table 3
Summary of Groundwater Sampling Results (VOCs/SVOCs)
Former Majestic Garment Cleaners
Brooklyn, New York

DRAFT
DATA NOT VALIDATED

Well / Boring ID	NYSDEC Class GA	PZ-1			PZ-3			PZ-4R	PZ-5	PZ-6
Depth (ft. bgs)			PZ-X				PZ-X			
Sampling Date	Standard or Guidance Value	10/19/2010	10/19/2010	3/22/2011	10/19/2010	3/23/2011	3/23/2011	3/24/2011	3/24/2011	3/24/2011
Matrix		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Ethyl Benzene	5	1 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.57 J	0.2 U	0.2 U
Isopropylbenzene	5	1 U	1 U	0.45 U	1 U	0.45 U	0.45 U	25	0.45 U	0.45 U
m/p-Xylenes	5	2 U	2 U	0.95 U	2 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Methyl Acetate		1 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methyl tert-butyl Ether	10	1 U	1 U	0.35 U	1 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
Methylcyclohexane		1 U	1 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methylene Chloride	5	1 U	1 U	0.41 U	1 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
o-Xylene	5	1 U	1 U	0.43 U	1 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Styrene	5	1 U	1 U	0.36 U	1 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
trans-1,3-Dichloropropene	0.4**	1 U	1 U	0.29 U	1 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Tetrachloroethene	5	10	9.8	26	1 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Toluene	5	1 U	1 U	0.37 U	1 U	0.37 U	0.37 U	0.72 J	0.7 J	0.37 U
trans-1,2-Dichloroethene	5	0.65 J	0.65 J	1.2	1 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Trichloroethene	5	5.5	5.4	22	1 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Trichlorofluoromethane	5	1 U	1 U	0.35 U	1 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
Vinyl Chloride	2	1.6	1.6	7.2	1 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Total TICs										
SVOCs										
1,1-Biphenyl	5	11 U	11 U	0.18 U	11 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
2,2-oxybis(1-Chloropropane)		11 U	11 U	0.2 U	11 U	0.17 U	0.18 U	0.17 U	0.18 U	0.18 U
2,4,5-Trichlorophenol	1	11 U	11 U	0.48 U	11 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
2,4,6-Trichlorophenol	1	11 U	11 U	0.67 U	11 U	0.57 U	0.58 U	0.57 U	0.58 U	0.58 U
2,4-Dichlorophenol	5	11 U	11 U	0.79 U	11 U	0.67 U	0.68 U	0.67 U	0.68 U	0.68 U
2,4-Dimethylphenol	50*	11 U	11 U	0.85 U	11 U	0.72 U	0.73 U	0.72 U	0.73 U	0.73 U
2,4-Dinitrophenol	10*	11 U	11 U	2.5 U	11 U	2.1 U UJ	2.2 U UJ	2.1 U UJ	2.2 U UJ	2.2 U UJ
2,4-Dinitrotoluene	5	11 U	11 U	1.2 U	11 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,6-Dinitrotoluene	5	11 U	11 U	0.38 U	11 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
2-Chloronaphthalene	10*	11 U	11 U	0.19 U	11 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
2-Chlorophenol		11 U	11 U	0.64 U	11 U	0.55 U	0.56 U	0.55 U	0.56 U	0.56 U
2-Methylnaphthalene		11 U	11 U	0.38 U	11 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
2-Methylphenol		11 U	11 U	0.29 U	11 U	0.24 U	0.25 U	0.24 U	0.25 U	0.25 U
2-Nitroaniline	5	11 U	11 U	0.58 U	11 U	0.5 U	0.51 U	0.5 U	0.51 U	0.51 U
2-Nitrophenol		11 U	11 U	0.62 U	11 U	0.53 U	0.54 U	0.53 U	0.54 U	0.54 U
3,3-Dichlorobenzidine	5	11 U	11 U	2.4 U	11 U	2 U	2.1 U	2 U	2.1 U	2.1 U

Table 3
Summary of Groundwater Sampling Results (VOCs/SVOCs)
Former Majestic Garment Cleaners
Brooklyn, New York

DRAFT
DATA NOT VALIDATED

Well / Boring ID	NYSDEC Class GA	PZ-1			PZ-3			PZ-4R	PZ-5	PZ-6
Depth (ft. bgs)			PZ-X				PZ-X			
Sampling Date	Standard or	10/19/2010	10/19/2010	3/22/2011	10/19/2010	3/23/2011	3/23/2011	3/24/2011	3/24/2011	3/24/2011
Matrix	Guidance Value	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
3+4-Methylphenols		11 U	11 U	0.45 U	11 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
3-Nitroaniline	5	11 U	11 U	1.3 U	11 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
4,6-Dinitro-2-methylphenol		11 U	11 U	0.88 U	11 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U
4-Bromophenyl-phenylether		11 U	11 U	0.27 U	11 U	0.23 U	0.24 U	0.23 U	0.24 U	0.24 U
4-Chloro-3-methylphenol		11 U	11 U	0.48 U	11 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
4-Chloroaniline	5	11 U	11 U	3.4 UUJ	11 U	2.9 UUJ	2.9 UUJ	2.9 UUJ	~~2.9 UR~~	2.9 UUJ
4-Chlorophenyl-phenylether		11 U	11 U	0.25 U	11 U	0.21 U	0.22 U	0.21 U	0.22 U	0.22 U
4-Nitroaniline	5	11 U	11 U	1.6 U	11 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
4-Nitrophenol		11 U	11 U	2.4 U	11 U	2 U	2.1 U	2 U	2.1 U	2.1 U
Acenaphthene	20*	11 U	11 U	0.25 U	11 U	0.21 U	0.22 U	0.21 U	0.22 U	0.22 U
Acenaphthylene		11 U	11 U	0.83 U	11 U	0.71 U	0.72 U	0.71 U	0.72 U	0.72 U
Acetophenone		11 U	11 U	0.17 U	11 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Anthracene	50*	11 U	11 U	0.19 U	11 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Atrazine	7.5	11 U	11 U	0.48 U	11 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Benzaldehyde		11 U	11 U	0.92 U	11 U	0.79 UUJ	0.79 UUJ	0.79 UUJ	~~0.79 UR~~	0.79 UUJ
Benzo(a)anthracene	0.002*	11 U	11 U	0.19 U	11 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Benzo(a)pyrene	ND	11 U	11 U	0.17 U	11 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Benzo(b)fluoranthene	0.002*	11 U	11 U	0.35 U	11 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzo(g,h,i)perylene		11 U	11 U	0.35 U	11 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzo(k)fluoranthene	0.002*	11 U	11 U	0.21 U	11 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U
bis(2-Chloroethoxy)methane	5	11 U	11 U	0.65 U	11 U	0.56 U	0.57 U	0.56 U	0.57 U	0.57 U
bis(2-Chloroethyl)ether	1	11 U	11 U	0.65 U	11 U	0.56 U	0.57 U	0.56 U	0.57 U	0.57 U
bis(2-Ethylhexyl)phthalate	5	11 U	11 U	0.19 U	11 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Butylbenzylphthalate	50*	11 U	11 U	0.23 U	11 U	0.19 U	0.2 U	0.19 U	0.2 U	0.2 U
Caprolactam		11 U	11 U	2.4 U	11 U	2 U	2.1 U	2 U	2.1 U	2.1 U
Carbazole		11 U	11 U	0.26 U	11 U	0.22 U	0.23 U	0.22 U	0.23 U	0.23 U
Chrysene	0.002*	11 U	11 U	0.21 U	11 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U
Dibenz(a,h)anthracene		11 U	11 U	0.5 U	11 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Dibenzofuran		11 U	11 U	0.29 U	11 U	0.24 U	0.25 U	0.24 U	0.25 U	0.25 U
Diethylphthalate	50*	11 U	11 U	0.45 U	11 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
Dimethylphthalate	50*	11 U	11 U	0.26 U	11 U	0.22 U	0.23 U	0.22 U	0.23 U	0.23 U
Di-n-butylphthalate	50	11 U	11 U	2.4 U	11 U	2 U	2.1 U	2 U	2.1 U	2.1 U
Di-n-octyl phthalate	50*	11 U	11 U	0.61 U	11 U	0.52 U	0.53 U	0.52 U	0.53 U	0.53 U
Fluoranthene	50*	11 U	11 U	0.48 U	11 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U

ıble 3
ımmary of Groundwater Sampling Results (VOCs/SVOCs)
ɔrmer Majestic Garment Cleaners
rooklyn, New York

DRAFT
DATA NOT VALIDATED

ell / Boring ID epth (ft. bgs) ampling Date atrix nits	NYSDEC Class GA Standard or Guidance Value ug/L	PZ-1 10/19/2010 WATER ug/L	PZ-X 10/19/2010 WATER ug/L	3/22/2011 WATER ug/L	PZ-3 10/19/2010 WATER ug/L	3/23/2011 WATER ug/L	PZ-X 3/23/2011 WATER ug/L	PZ-4R 3/24/2011 WATER ug/L	PZ-5 3/24/2011 WATER ug/L	PZ-6 3/24/2011 WATER ug/L
uorene	50*	11 U	11 U	0.37 U	11 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
exachlorobenzene	0.04	11 U	11 U	0.21 U	11 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U
exachlorobutadiene	0.5	11 U	11 U	0.3 U	11 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
exachlorocyclopentadiene	5	11 U	11 U	0.29 U	11 U	0.24 U	0.25 U	0.24 U	0.25 U	0.25 U
exachloroethane	5	11 U	11 U	0.3 U	11 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
deno(1,2,3-cd)pyrene	0.002*	11 U	11 U	0.18 U	11 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
ophorone	50*	11 U	11 U	0.36 U	11 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
aphthalene	10*	11 U	11 U	0.14 U	11 U	0.12 U	0.12 U	4.2 J	0.12 U	0.12 U
trobenzene	0.4	11 U	11 U	0.81 U	11 U	0.69 U	0.7 U	0.69 U	0.7 U	0.7 U
-Nitroso-di-n-propylamine		11 U	11 U	0.24 U	11 U	0.2 U	0.21 U	0.2 U	0.21 U	0.21 U
-Nitrosodiphenylamine	50*	11 U	11 U	0.71 U	11 U	0.61 U	0.62 U	0.61 U	0.62 U	0.62 U
entachlorophenol	1	11 U	11 U	2 U	11 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
henanthrene	50	11 U	11 U	0.31 U	11 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
henol	1	11 U	11 U	0.25 U	11 U	0.21 U	0.22 U	0.21 U	0.22 U	0.22 U
rene	50	11 U	11 U	0.24 U	11 U	0.2 U	0.21 U	0.2 U	0.21 U	0.21 U

otes:
- Compound was not detected, Reporting Limit is provided.
Concentration is an approximate value.
D - Not detected.
S - Not sampled.
ghlighted cells exceed NYSDEC Class GA standard or guidance value.

Table 3
Summary of Groundwater Sampling Results (VOCs/SVOCs)
Former Majestic Garment Cleaners
Brooklyn, New York

DRAFT
DATA NOT VALIDATED

Well / Boring ID Depth (ft. bgs) Sampling Date Matrix Units	NYSDEC Class GA Standard or Guidance Value ug/L	SB-01		SB-02			SB-03		SB-04	
		13 3/22/2011 WATER ug/L	25 3/22/2011 WATER ug/L	13 3/22/2011 WATER ug/L	25 3/22/2011 WATER ug/L	25 (Dup-1) 3/22/2011 WATER ug/L	13 3/22/2011 WATER ug/L	25 3/22/2011 WATER ug/L	13 3/22/2011 WATER ug/L	25 3/22/2011 WATER ug/L
VOCs										
1,1,1-Trichloroethane	5	0.4 U	0.4 U	8 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	5	0.31 U	0.31 U	6.2 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
1,1,2-Trichloroethane	1	0.38 U	0.38 U	7.6 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
1,1,2-Trichlorotrifluoroethane	5	0.45 U	0.45 U	9 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,1-Dichloroethane	5	0.36 U	0.36 U	7.2 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
1,1-Dichloroethene	5	0.47 U	0.47 U	9.4 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
1,2,4-Trichlorobenzene	5	0.2 U	1.3	4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromo-3-Chloropropane	0.04	0.46 U	0.46 U	9.2 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
1,2-Dibromoethane	5	0.41 U	0.41 U	8.2 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
1,2-Dichlorobenzene	3	2.1	0.96 J	9 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2-Dichloroethane	0.6	0.48 U	0.48 U	9.6 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
1,2-Dichloropropane	1	0.46 U	0.46 U	9.2 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
1,3-Dichlorobenzene	3	0.43 U	0.43 U	8.6 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
1,4-Dichlorobenzene	3	0.32 U	0.32 U	6.4 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
2-Butanone (Methyl ethyl ketone)	50	1.3 U	1.3 U	26 U	1.3 U	1.3 U	1.3 U	1.3 U	2 J	1.3 U
2-Hexanone	50*	1.9 U	1.9 U	39 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
4-Methyl-2-Pentanone		2.1 U	2.1 U	42 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Acetone	50*	0.5 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	1	0.73 J	0.32 U	13 J	0.32 U	0.32 U	0.32 U	1.1	4.1	0.32 U
Bromodichloromethane	50*	0.36 U	0.36 U	7.2 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Bromoform	50*	0.47 U	0.47 U	9.4 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Bromomethane	5	0.2 U	0.2 U	4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Disulfide		2.1	0.2 U	4 U	1.7	1.7	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	5	0.2 U	0.2 U	4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	5	0.49 U	0.49 U	9.8 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U
Chloroethane	5	0.2 U	0.2 U	4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.96 J	0.2 U
Chloroform	7	0.34 U	0.34 U	6.8 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Chloromethane		0.2 U	0.2 U	4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	5	0.35 U	0.35 U	5,700 D	4.3	5.8	1.4	20	8.5	73
cis-1,3-Dichloropropene	0.4**	0.31 U	0.31 U	6.2 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Cyclohexane		0.2 U	0.2 U	4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	50	0.2 U	0.2 U	4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane	5	0.2 U	0.2 U	4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Table 3
Summary of Groundwater Sampling Results (VOCs/SVOCs)
Former Majestic Garment Cleaners
Brooklyn, New York

DRAFT
DATA NOT VALIDATED

Well / Boring ID Depth (ft. bgs) Sampling Date Matrix Units	NYSDEC Class GA Standard or Guidance Value ug/L	SB-01		SB-02			SB-03		SB-04	
		13 3/22/2011 WATER ug/L	25 3/22/2011 WATER ug/L	13 3/22/2011 WATER ug/L	25 3/22/2011 WATER ug/L	25 (Dup-1) 3/22/2011 WATER ug/L	13 3/22/2011 WATER ug/L	25 3/22/2011 WATER ug/L	13 3/22/2011 WATER ug/L	25 3/22/2011 WATER ug/L
Ethyl Benzene	5	2.1	0.2 U	210	0.88 J	1.1	7.6	0.2 U	0.54 J	0.2 U
Isopropylbenzene	5	87	1	130	5.4	6.6	130	4.7	31	0.97 J
m/p-Xylenes	5	0.95 U	0.95 U	56	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Methyl Acetate		0.2 U	0.2 U	4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methyl tert-butyl Ether	10	0.35 U	0.35 U	7 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
Methylcyclohexane		3.6	0.2 U	10 J	0.2 U	0.2 U	5.8	0.2 U UJ	1.8	0.2 U
Methylene Chloride	5	0.41 U	0.41 U	8.2 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
o-Xylene	5	0.43 U	0.43 U	17 J	0.43 U	0.72 J	0.43 U	0.43 U	0.43 U	0.43 U
Styrene	5	0.36 U	0.36 U	7.2 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
trans-1,3-Dichloropropene	0.4**	0.29 U	0.29 U	5.8 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Tetrachloroethene	5	0.27 U	0.27 U	5.4 U	2	2.5	0.27 U	0.27 U	4.2	36
Toluene	5	0.37 U	0.37 U	7.4 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
trans-1,2-Dichloroethene	5	0.41 U	0.41 U	91	0.66 J	0.74 J	0.41 U	0.41 U	0.41 U	1.8
Trichloroethene	5	0.28 U	0.28 U	5.6 U	0.28 U	0.28 U	0.51 J	0.28 U	4.1	39
Trichlorofluoromethane	5	0.35 U	0.35 U	7 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
Vinyl Chloride	2	0.34 U	0.34 U	2,500	0.34 U	1.3	0.34 U	5.8	0.34 U	3.1
Total TICs										
SVOCs										
1,1-Biphenyl	5	0.16 U	0.18 U	0.18 U UJ	0.18 U	0.18 U	0.16 U	0.17 U	NS	0.17 U
2,2-oxybis(1-Chloropropane)		0.18 U	0.2 U	0.2 U UJ	0.2 U	0.2 U	0.18 U	0.2 U	NS	0.19 U
2,4,5-Trichlorophenol	1	0.43 U	0.48 U	0.47 U	0.48 U	0.48 U	0.43 U	0.47 U	NS	0.45 U
2,4,6-Trichlorophenol	1	0.61 U	0.67 U	0.66 U	0.67 U	0.67 U	0.6 U	0.65 U	NS	0.63 U
2,4-Dichlorophenol	5	0.72 U	0.8 U	0.78 U	0.8 U	0.79 U	0.7 U	0.77 U	NS	0.74 U
2,4-Dimethylphenol	50*	0.77 U	0.86 U	0.84 U	0.86 U	0.85 U	0.76 U	0.83 U	NS	0.8 U
2,4-Dinitrophenol	10*	2.3 U	2.5 U	2.5 U	2.5 U	2.5 U	2.2 U	2.4 U	NS	2.4 U
2,4-Dinitrotoluene	5	1.1 U	1.2 U	1.2 U UJ	1.2 U	1.2 U	1.1 U	1.2 U	NS	1.2 U
2,6-Dinitrotoluene	5	0.35 U	0.39 U	0.38 U	0.39 U	0.38 U	0.34 U	0.37 U	NS	0.36 U
2-Chloronaphthalene	10*	0.17 U	0.19 U	0.19 U	0.19 U	0.19 U	0.17 U	0.19 U	NS	0.18 U
2-Chlorophenol		0.59 U	0.65 U	0.64 U	0.65 U	0.64 U	0.57 U	0.63 U	NS	0.61 U
2-Methylnaphthalene		9.8 J	0.39 U	4.1 J	0.39 U	0.38 U	0.34 U	0.37 U	NS	0.36 U
2-Methylphenol		0.26 U	0.29 U	0.28 U	0.29 U	0.29 U	0.26 U	0.28 U	NS	0.27 U
2-Nitroaniline	5	0.53 U	0.59 U	0.58 U UJ	0.59 U	0.58 U	0.52 U	0.57 U	NS	0.55 U
2-Nitrophenol		0.57 U	0.63 U	0.61 U	0.63 U	0.62 U	0.55 U	0.6 U	NS	0.58 U
3,3-Dichlorobenzidine	5	2.2 U	2.4 U	2.4 U UJ	2.4 U	2.4 U	2.1 U	2.3 U	NS	2.2 U

Table 3
Summary of Groundwater Sampling Results (VOCs/SVOCs)
Former Majestic Garment Cleaners
Brooklyn, New York

DRAFT
DATA NOT VALIDATED

Well / Boring ID	NYSDEC Class GA	SB-01		SB-02			SB-03		SB-04	
Depth (ft. bgs)		13	25	13	25	25 (Dup-1)	13	25	13	25
Sampling Date		3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011
Matrix		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	Standard or Guidance Value ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
3+4-Methylphenols		0.41 U	0.46 U	0.45 U	0.46 U	0.45 U	0.4 U	0.44 U	NS	0.43 U
3-Nitroaniline	5	1.2 U	1.3 U	1.3 UJ	1.3 U	1.3 U	1.2 U	1.3 U	NS	1.2 U
4,6-Dinitro-2-methylphenol		0.8 U	0.89 U	0.87 U	0.89 U	0.88 U	0.79 U	0.86 U	NS	0.83 U
4-Bromophenyl-phenylether		0.25 U	0.28 U	0.27 UJ	0.28 U	0.27 U	0.24 U	0.27 U	NS	0.26 U
4-Chloro-3-methylphenol		0.43 U	0.48 U	0.47 U	0.48 U	0.48 U	0.43 U	0.47 U	NS	0.45 U
4-Chloroaniline	5	3.1 UJ	3.4 UJ	3.4 UJ	3.4 UJ	3.4 UJ	3 UJ	3.3 UJ	NS	3.2 UJ
4-Chlorophenyl-phenylether		0.23 U	0.25 U	0.25 U	0.25 U	0.25 U	0.22 U	0.24 U	NS	0.24 U
4-Nitroaniline	5	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.4 U	1.6 U	NS	1.5 U
4-Nitrophenol		2.2 U	2.4 U	2.4 U	2.4 U	2.4 U	2.1 U	2.3 U	NS	2.2 U
Acenaphthene	20*	0.23 U	0.25 U	0.25 UJ	0.25 U	0.25 U	0.22 U	0.24 U	NS	0.24 U
Acenaphthylene		0.76 U	0.84 U	0.82 U	0.84 U	0.83 U	0.74 U	0.81 U	NS	0.79 U
Acetophenone		0.15 U	0.17 U	0.16 U	0.17 U	0.17 U	0.15 U	0.16 U	NS	0.16 U
Anthracene	50*	0.17 U	0.19 U	0.19 U	0.19 U	0.19 U	0.17 U	0.19 U	NS	0.18 U
Atrazine	7.5	0.43 U	0.48 U	0.47 U	0.48 U	0.48 U	0.43 U	0.47 U	NS	0.45 U
Benzaldehyde		0.84 UJ	0.93 UJ	0.91 U	0.93 U	0.92 U	0.82 U	~~0.9 U~~ R	NS	0.87 U
Benzo(a)anthracene	0.002*	0.17 U	0.19 U	0.19 U	0.19 U	0.19 U	0.17 U	0.19 U	NS	0.18 U
Benzo(a)pyrene	ND	0.15 U	0.17 U	0.16 U	0.17 U	0.17 U	0.15 U	0.16 U	NS	0.16 U
Benzo(b)fluoranthene	0.002*	0.32 U	0.35 U	0.34 U	0.35 U	0.35 U	0.31 U	0.34 U	NS	0.33 U
Benzo(g,h,i)perylene		0.32 U	0.35 U	0.34 U	0.35 U	0.35 U	0.31 U	0.34 U	NS	0.33 U
Benzo(k)fluoranthene	0.002*	0.2 U	0.22 U	0.21 U	0.22 U	0.21 U	0.19 U	0.21 U	NS	0.2 U
bis(2-Chloroethoxy)methane	5	0.6 U	0.66 U	0.65 U	0.66 U	0.65 U	0.59 U	0.64 U	NS	0.62 U
bis(2-Chloroethyl)ether	1	0.6 U	0.66 U	0.65 U	0.66 U	0.65 U	0.59 U	0.64 U	NS	0.62 U
bis(2-Ethylhexyl)phthalate	5	0.17 U	0.19 U	5.7 J	0.19 U	0.19 U	2.1 J	0.19 U	NS	0.18 U
Butylbenzylphthalate	50*	0.21 U	0.23 U	2.6 J	0.23 U	0.23 U	0.2 U	0.22 U	NS	0.21 U
Caprolactam		2.2 U	2.4 U	2.4 UJ	2.4 U	2.4 U	2.1 U	2.3 U	NS	2.2 U
Carbazole		0.24 U	0.27 U	0.26 U	0.27 U	0.26 U	0.23 U	0.26 U	NS	0.25 U
Chrysene	0.002*	0.2 U	0.22 U	0.21 U	0.22 U	0.21 U	0.19 U	0.21 U	NS	0.2 U
Dibenz(a,h)anthracene		0.46 U	0.51 U	0.49 U	0.51 U	0.5 U	0.45 U	0.49 U	NS	0.47 U
Dibenzofuran		0.26 U	0.29 U	0.28 U	0.29 U	0.29 U	0.26 U	0.28 U	NS	0.27 U
Diethylphthalate	50*	0.41 U	0.46 U	0.45 U	0.46 U	0.45 U	0.4 U	0.44 U	NS	0.43 U
Dimethylphthalate	50*	2.9 J	0.27 U	6.3 J	2.2 J	0.26 U	2.3 J	0.26 U	NS	2 J
Di-n-butylphthalate	50	2.2 U	2.4 U	2.4 UJ	2.4 U	2.4 U	2.1 U	2.3 U	NS	2.2 U
Di-n-octyl phthalate	50*	0.55 U	0.61 U	0.6 U	0.61 U	0.61 U	0.54 U	0.59 U	NS	0.57 U
Fluoranthene	50*	0.43 U	0.48 U	0.47 U	0.48 U	0.48 U	0.43 U	0.47 U	NS	0.45 U

able 3
ummary of Groundwater Sampling Results (VOCs/SVOCs)
ormer Majestic Garment Cleaners
rooklyn, New York

DRAFT
DATA NOT VALIDATED

ell / Boring ID epth (ft. bgs) ampling Date atrix nits	NYSDEC Class GA Standard or Guidance Value ug/L	SB-01		SB-02			SB-03		SB-04	
		13 3/22/2011 WATER ug/L	25 3/22/2011 WATER ug/L	13 3/22/2011 WATER ug/L	25 3/22/2011 WATER ug/L	25 (Dup-1) 3/22/2011 WATER ug/L	13 3/22/2011 WATER ug/L	25 3/22/2011 WATER ug/L	13 3/22/2011 WATER ug/L	25 3/22/2011 WATER ug/L
uorene	50*	0.34 U	0.37 U	0.36 UJ	0.37 U	0.37 U	0.33 U	0.36 U	NS	0.35 U
exachlorobenzene	0.04	0.2 U	0.22 U	0.21 U	0.22 U	0.21 U	0.19 U	0.21 U	NS	0.2 U
exachlorobutadiene	0.5	0.27 U	0.3 U	0.29 U	0.3 U	0.3 U	0.27 U	0.29 U	NS	0.28 U
exachlorocyclopentadiene	5	0.26 U	0.29 U	0.28 U	0.29 U	0.29 U	0.26 U	0.28 U	NS	0.27 U
exachloroethane	5	0.27 U	0.3 U	0.29 U	0.3 U	0.3 U	0.27 U	0.29 U	NS	0.28 U
deno(1,2,3-cd)pyrene	0.002*	0.16 U	0.18 U	0.18 U	0.18 U	0.18 U	0.16 U	0.17 U	NS	0.17 U
ophorone	50*	0.33 U	0.36 U	0.35 U	0.36 U	0.36 U	0.32 U	0.35 U	NS	0.34 U
aphthalene	10*	0.13 U	0.14 U	19 J	3.2 J	2.5 J	0.13 U	0.14 U	NS	0.13 U
trobenzene	0.4	0.74 U	0.82 U	0.8 UJ	0.82 U	0.81 U	0.72 U	0.79 U	NS	0.76 U
-Nitroso-di-n-propylamine		0.22 U	0.24 U	0.24 U	0.24 U	0.24 U	0.21 U	0.23 U	NS	0.22 U
-Nitrosodiphenylamine	50*	0.65 U	0.72 U	0.71 U	0.72 U	0.71 U	0.64 U	0.7 U	NS	0.67 U
entachlorophenol	1	1.9 U	2.1 U	2 U	2.1 U	2 U	1.8 U	2 U	NS	1.9 U
henanthrene	50	0.28 U	0.31 U	0.31 U	0.31 U	0.31 U	0.28 U	0.3 U	NS	0.29 U
henol	1	0.23 U	0.25 U	0.25 U	0.25 U	0.25 U	0.22 U	0.24 U	NS	0.24 U
yrene	50	0.22 U	0.24 U	0.24 U	0.24 U	0.24 U	0.21 U	0.23 U	NS	0.22 U

otes:
- Compound was not detected, Reporting Limit is provided.
Concentration is an approximate value.
D - Not detected.
S - Not sampled.
ghlighted cells exceed NYSDEC Class GA standard or guidanc

Table 3
Summary of Groundwater Sampling Results (VOCs/SVOCs)
Former Majestic Garment Cleaners
Brooklyn, New York

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DATA NOT VALIDATED

Well / Boring ID Depth (ft. bgs) Sampling Date Matrix Units	NYSDEC Class GA Standard or Guidance Value ug/L	SB-05 13 3/22/2011 WATER ug/L	SB-05 25 3/22/2011 WATER ug/L	SB-06 13 3/22/2011 WATER ug/L	SB-06 25 3/22/2011 WATER ug/L	SB-07 13 3/24/2011 WATER ug/L	SB-07 25 3/24/2011 WATER ug/L	SB-08 13 3/24/2011 WATER ug/L	SB-08 25 3/24/2011 WATER ug/L
VOCs									
1,1,1-Trichloroethane	5	4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	5	3.1 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
1,1,2-Trichloroethane	1	3.8 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
1,1,2-Trichlorotrifluoroethane	5	4.5 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,1-Dichloroethane	5	3.6 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
1,1-Dichloroethene	5	4.7 U	0.47 U	0.47 U	0.54 J	0.47 U	0.47 U	0.47 U	0.47 U
1,2,4-Trichlorobenzene	5	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromo-3-Chloropropane	0.04	4.6 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
1,2-Dibromoethane	5	4.1 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
1,2-Dichlorobenzene	3	4.5 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.62 J	0.45 U
1,2-Dichloroethane	0.6	4.8 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
1,2-Dichloropropane	1	4.6 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
1,3-Dichlorobenzene	3	4.3 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
1,4-Dichlorobenzene	3	3.2 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
2-Butanone (Methyl ethyl ketone)	50	13 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
2-Hexanone	50*	19 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
4-Methyl-2-Pentanone		21 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Acetone	50*	5 U	0.5 U	0.5 U	0.5 U	15	13	8.7	0.5 U
Benzene	1	3.2 U	0.32 U	1.4	1.1	0.32 U	0.32 U	1.8	0.32 U
Bromodichloromethane	50*	3.6 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Bromoform	50*	4.7 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Bromomethane	5	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Disulfide		2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.96 J	0.2 U
Carbon Tetrachloride	5	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	5	4.9 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U
Chloroethane	5	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	7	3.4 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Chloromethane		2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	5	110 D	75	16	47	24	11	5.3	9
cis-1,3-Dichloropropene	0.4**	3.1 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Cyclohexane		2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.85 J	0.2 U
Dibromochloromethane	50	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane	5	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Table 3
Summary of Groundwater Sampling Results (VOCs/SVOCs)
Former Majestic Garment Cleaners
Brooklyn, New York

DRAFT
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Well / Boring ID	NYSDEC Class GA	SB-05		SB-06		SB-07		SB-08	
Depth (ft. bgs)		13	25	13	25	13	25	13	25
Sampling Date	Standard or	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/24/2011	3/24/2011	3/24/2011	3/24/2011
Matrix	Guidance Value	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Ethyl Benzene	5	2 U	0.2 U	1.1	0.2 U	0.2 U	0.2 U	1	0.2 U
Isopropylbenzene	5	4.5 U	0.45 U	96	0.54 J	0.45 U	0.45 U	13	0.45 U
m/p-Xylenes	5	9.5 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U
Methyl Acetate		2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methyl tert-butyl Ether	10	3.5 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
Methylcyclohexane		2 U	0.2 U	6.2 J	0.2 U	0.2 U	0.2 U	5.1	0.2 U
Methylene Chloride	5	4.1 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
o-Xylene	5	4.3 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Styrene	5	3.6 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
trans-1,3-Dichloropropene	0.4**	2.9 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Tetrachloroethene	5	670 D	1,300 D	3.5	7.7	69	33	11	32
Toluene	5	3.7 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
trans-1,2-Dichloroethene	5	4.1 U	2.8	0.68 J	0.41 U	0.7 J	0.41 U	0.41 U	0.41 U
Trichloroethene	5	28 D	49	0.28 U	2.3	6.2	3.3	0.28 U	4.1
Trichlorofluoromethane	5	3.5 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
Vinyl Chloride	2	3.4 U	0.34 U	8.4	30	1.4	0.34 U	1.6	2.1
Total TICs									
SVOCs									
1,1-Biphenyl	5	0.17 U	0.18 U	0.18 U	0.17 U	0.15 U	0.16 U	0.15 U	0.15 U
2,2-oxybis(1-Chloropropane)		0.19 U	0.2 U	0.2 U	0.2 U	0.18 U	0.18 U	0.17 U	0.18 U
2,4,5-Trichlorophenol	1	0.44 U	0.47 U	0.48 U	0.46 U	0.41 U	0.42 U	0.41 U	0.41 U
2,4,6-Trichlorophenol	1	0.62 U	0.66 U	0.67 U	0.64 U	0.58 U	0.58 U	0.57 U	0.58 U
2,4-Dichlorophenol	5	0.73 U	0.78 U	0.8 U	0.76 U	0.68 U	0.69 U	0.67 U	0.68 U
2,4-Dimethylphenol	50*	0.79 U	0.84 U	0.86 U	0.82 U	0.73 U	0.74 U	0.72 U	0.73 U
2,4-Dinitrophenol	10*	2.3 U	2.5 U	2.5 U	2.4 U	2.2 UJ	2.2 UJ	2.1 UJ	2.2 UJ
2,4-Dinitrotoluene	5	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U
2,6-Dinitrotoluene	5	0.36 U	0.38 U	0.39 U	0.37 U	0.33 U	0.33 U	0.33 U	0.33 U
2-Chloronaphthalene	10*	0.18 U	0.19 U	0.19 U	0.18 U	0.16 U	0.17 U	0.16 U	0.16 U
2-Chlorophenol		0.6 U	0.64 U	0.65 U	0.62 U	0.56 U	0.56 U	0.55 U	0.56 U
2-Methylnaphthalene		0.36 U	0.38 U	0.39 U	0.37 U	0.33 U	0.33 U	0.33 U	0.33 U
2-Methylphenol		0.27 U	0.28 U	0.29 U	0.28 U	0.25 U	0.25 U	0.24 U	0.25 U
2-Nitroaniline	5	0.54 U	0.58 U	0.59 U	0.56 U	0.51 U	0.51 U	0.5 U	0.51 U
2-Nitrophenol		0.58 U	0.61 U	0.63 U	0.6 U	0.54 U	0.54 U	0.53 U	0.54 U
3,3-Dichlorobenzidine	5	2.2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.1 J	2 U	2.1 U

Table 3
Summary of Groundwater Sampling Results (VOCs/SVOCs)
Former Majestic Garment Cleaners
Brooklyn, New York

DRAFT
DATA NOT VALIDATED

Well / Boring ID	NYSDEC Class GA	SB-05		SB-06		SB-07		SB-08	
Depth (ft. bgs)		13	25	13	25	13	25	13	25
Sampling Date	Standard or	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/24/2011	3/24/2011	3/24/2011	3/24/2011
Matrix	Guidance Value	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
3+4-Methylphenols		0.42 U	0.45 U	0.46 U	0.44 U	0.39 U	0.4 U	0.39 U	0.39 U
3-Nitroaniline	5	1.2 U	1.3 U	1.3 U	1.3 U	1.1 U	1.1 U	1.1 U	1.1 U
4,6-Dinitro-2-methylphenol		0.82 U	0.87 U	0.89 U	0.85 U	0.76 U	0.77 U	0.76 U	0.76 U
4-Bromophenyl-phenylether		0.26 U	0.27 U	0.28 U	0.26 U	0.24 U	0.24 U	0.23 U	0.24 U
4-Chloro-3-methylphenol		0.44 U	0.47 U	0.48 U	0.46 U	0.41 U	0.42 U	0.41 U	0.41 U
4-Chloroaniline	5	3.2 UUJ	3.4 UUJ	3.4 UUJ	3.3 UUJ	2.9 UUJ	3 UUJ	2.9 UUJ	2.9 UUJ
4-Chlorophenyl-phenylether		0.23 U	0.25 U	0.25 U	0.24 U	0.22 U	0.22 U	0.21 U	0.22 U
4-Nitroaniline	5	1.5 U	1.6 U	1.6 U	1.6 U	1.4 U	1.4 U	1.4 U	1.4 U
4-Nitrophenol		2.2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.1 U	2 U	2.1 U
Acenaphthene	20*	0.23 U	0.25 U	0.25 U	0.24 U	0.22 U	0.22 U	0.21 U	0.22 U
Acenaphthylene		0.78 U	0.82 U	0.84 U	0.8 U	0.72 U	0.73 U	0.71 U	0.72 U
Acetophenone		0.16 U	0.16 U	0.17 U	0.16 U	0.14 U	0.15 U	0.14 U	0.14 U
Anthracene	50*	0.18 U	0.19 U	0.19 U	0.18 U	0.16 U	0.17 U	0.16 U	0.16 U
Atrazine	7.5	0.44 U	0.47 U	0.48 U	0.46 U	0.41 U	0.42 U	0.41 U	0.41 U
Benzaldehyde		0.86 U	0.91 U	0.93 U	0.89 U	0.79 UUJ	0.8 UUJ	0.79 UUJ	0.79 UUJ
Benzo(a)anthracene	0.002*	0.18 U	0.19 U	0.19 U	0.18 U	0.16 U	0.17 U	0.16 U	0.16 U
Benzo(a)pyrene	ND	0.16 U	0.16 U	0.17 U	0.16 U	0.14 U	0.15 U	0.14 U	0.14 U
Benzo(b)fluoranthene	0.002*	0.32 U	0.34 U	0.35 U	0.33 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzo(g,h,i)perylene		0.32 U	0.34 U	0.35 U	0.33 U	0.3 U	0.3 U	0.3 U	0.3 U
Benzo(k)fluoranthene	0.002*	0.2 U	0.21 U	0.22 U	0.21 U	0.19 U	0.19 U	0.18 U	0.19 U
bis(2-Chloroethoxy)methane	5	0.61 U	0.65 U	0.66 U	0.63 U	0.57 U	0.57 U	0.56 U	0.57 U
bis(2-Chloroethyl)ether	1	0.61 U	0.65 U	0.66 U	0.63 U	0.57 U	0.57 U	0.56 U	0.57 U
bis(2-Ethylhexyl)phthalate	5	0.18 U	0.19 U	0.19 U	0.18 U	0.16 U	0.17 U	0.16 U	0.16 U
Butylbenzylphthalate	50*	0.21 U	0.22 U	0.23 U	0.22 U	0.2 U	0.2 U	0.19 U	0.2 U
Caprolactam		2.2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.1 U	2 U	2.1 U
Carbazole		0.24 U	0.26 U	0.27 U	0.25 U	0.23 U	0.23 U	0.22 U	0.23 U
Chrysene	0.002*	0.2 U	0.21 U	0.22 U	0.21 U	0.19 U	0.19 U	0.18 U	0.19 U
Dibenz(a,h)anthracene		0.47 U	0.49 U	0.51 U	0.48 U	0.43 U	0.44 U	0.43 U	0.43 U
Dibenzofuran		0.27 U	0.28 U	0.29 U	0.28 U	0.25 U	0.25 U	0.24 U	0.25 U
Diethylphthalate	50*	0.42 U	0.45 U	0.46 U	0.44 U	0.39 U	0.4 U	0.39 U	0.39 U
Dimethylphthalate	50*	0.24 U	0.26 U	0.27 U	0.25 U	0.23 U	0.23 U	0.22 U	0.23 U
Di-n-butylphthalate	50	2.2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.1 U	2 U	2.1 U
Di-n-octyl phthalate	50*	0.57 U	0.6 U	0.61 U	0.59 U	0.53 U	0.53 U	0.52 U	0.53 U
Fluoranthene	50*	0.44 U	0.47 U	0.48 U	0.46 U	0.41 U	0.42 U	0.41 U	0.41 U

ıble 3
ımmary of Groundwater Sampling Results (VOCs/SVOCs)
ɔrmer Majestic Garment Cleaners
rooklyn, New York

DRAFT

DATA NOT VALIDATED

ell / Boring ID epth (ft. bgs) ampling Date atrix nits	NYSDEC Class GA Standard or Guidance Value ug/L	SB-05		SB-06		SB-07		SB-08	
		13 3/22/2011 WATER ug/L	25 3/22/2011 WATER ug/L	13 3/22/2011 WATER ug/L	25 3/22/2011 WATER ug/L	13 3/24/2011 WATER ug/L	25 3/24/2011 WATER ug/L	13 3/24/2011 WATER ug/L	25 3/24/2011 WATER ug/L
uorene	50*	0.34 U	0.36 U	0.37 U	0.36 U	0.32 U	0.32 U	0.32 U	0.32 U
exachlorobenzene	0.04	0.2 U	0.21 U	0.22 U	0.21 U	0.19 U	0.19 U	0.18 U	0.19 U
exachlorobutadiene	0.5	0.28 U	0.29 U	0.3 U	0.29 U	0.26 U	0.26 U	0.26 U	0.26 U
exachlorocyclopentadiene	5	0.27 U	0.28 U	0.29 U	0.28 U	0.25 U	0.25 U	0.24 U	0.25 U
exachloroethane	5	0.28 U	0.29 U	0.3 U	0.29 U	0.26 U	0.26 U	0.26 U	0.26 U
deno(1,2,3-cd)pyrene	0.002*	0.17 U	0.18 U	0.18 U	0.17 U	0.15 U	0.16 U	0.15 U	0.15 U
ophorone	50*	0.33 U	0.35 U	0.36 U	0.34 U	0.31 U	0.31 U	0.31 U	0.31 U
aphthalene	10*	0.13 U	0.14 U	0.14 U	0.14 U	0.12 U	0.12 U	1.6 J	0.12 U
trobenzene	0.4	0.76 U	0.8 U	0.82 U	0.78 U	0.7 U	0.71 U	0.69 U	0.7 U
-Nitroso-di-n-propylamine		0.22 U	0.24 U	0.24 U	0.23 U	0.21 U	0.21 U	0.2 U	0.21 U
-Nitrosodiphenylamine	50*	0.67 U	0.71 U	0.72 U	0.69 U	0.62 U	0.62 U	0.61 U	0.62 U
entachlorophenol	1	1.9 U	2 U	2.1 U	2 U	1.8 U	1.8 U	1.8 U	1.8 U
henanthrene	50	0.29 U	0.31 U	0.31 U	0.3 U	0.27 U	0.27 U	0.27 U	0.27 U
henol	1	0.23 U	0.25 U	0.25 U	0.24 U	0.22 U	0.22 U	0.21 U	0.22 U
rene	50	0.22 U	0.24 U	0.24 U	0.23 U	0.21 U	0.21 U	0.2 U	0.21 U

otes:
- Compound was not detected. Reporting Limit is provided.
Concentration is an approximate value.
J - Not detected.
S - Not sampled.
ghlighted cells exceed NYSDEC Class GA standard or guidanc

Table 3
Summary of Groundwater Sampling Results (VOCs/SVOCs)
Former Majestic Garment Cleaners
Brooklyn, New York

DRAFT
DATA NOT VALIDATED

Well / Boring ID Depth (ft. bgs) Sampling Date Matrix Units	NYSDEC Class GA Standard or Guidance Value ug/L	SB-09 13 3/24/2011 WATER ug/L	SB-09 25 3/24/2011 WATER ug/L	SB-10 13 3/24/2011 WATER ug/L	SB-10 25 3/24/2011 WATER ug/L
VOCs					
1,1,1-Trichloroethane	5	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	5	0.31 U	0.31 U	0.31 U	0.31 U
1,1,2-Trichloroethane	1	0.38 U	0.38 U	0.38 U	0.38 U
1,1,2-Trichlorotrifluoroethane	5	0.45 U	0.45 U	0.45 U	0.45 U
1,1-Dichloroethane	5	0.36 U	0.36 U	0.36 U	0.36 U
1,1-Dichloroethene	5	0.47 U	0.47 U	0.47 U	0.47 U
1,2,4-Trichlorobenzene	5	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromo-3-Chloropropane	0.04	0.46 U	0.46 U	0.46 U	0.46 U
1,2-Dibromoethane	5	0.41 U	0.41 U	0.41 U	0.41 U
1,2-Dichlorobenzene	3	0.45 U	0.45 U	0.73 J	0.45 U
1,2-Dichloroethane	0.6	0.48 U	0.48 U	0.48 U	0.48 U
1,2-Dichloropropane	1	0.46 U	0.46 U	0.46 U	0.46 U
1,3-Dichlorobenzene	3	0.43 U	0.43 U	0.43 U	0.43 U
1,4-Dichlorobenzene	3	0.32 U	0.32 U	0.73 J	0.32 U
2-Butanone (Methyl ethyl ketone)	50	1.3 U	1.3 U	1.3 U	1.3 U
2-Hexanone	50*	1.9 U	1.9 U	1.9 U	1.9 U
4-Methyl-2-Pentanone		2.1 U	2.1 U	2.1 U	2.1 U
Acetone	50*	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	1	0.32 U	0.32 U	3.3	0.32 U
Bromodichloromethane	50*	0.36 U	0.36 U	0.36 U	0.36 U
Bromoform	50*	0.47 U	0.47 U	0.47 U	0.47 U
Bromomethane	5	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Disulfide		0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	5	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	5	0.49 U	0.49 U	0.49 U	0.49 U
Chloroethane	5	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	7	0.34 U	0.34 U	0.34 U	0.34 U
Chloromethane		0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	5	8.1	0.58 J	1	4.2
cis-1,3-Dichloropropene	0.4**	0.31 U	0.31 U	0.31 U	0.31 U
Cyclohexane		0.2 U	0.2 U	1.3	0.2 U
Dibromochloromethane	50	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane	5	0.2 U	0.2 U	0.2 U	0.2 U

Table 3
Summary of Groundwater Sampling Results (VOCs/SVOCs)
Former Majestic Garment Cleaners
Brooklyn, New York

DRAFT
DATA NOT VALIDATED

Well / Boring ID Depth (ft. bgs) Sampling Date Matrix Units	NYSDEC Class GA Standard or Guidance Value ug/L	SB-09 13 3/24/2011 WATER ug/L	SB-09 25 3/24/2011 WATER ug/L	SB-10 13 3/24/2011 WATER ug/L	SB-10 25 3/24/2011 WATER ug/L
Ethyl Benzene	5	0.2 U	0.2 U	1.3	0.2 U
Isopropylbenzene	5	6.6	0.45 U	170 D	0.45 U
m/p-Xylenes	5	0.95 U	0.95 U	0.95 U	0.95 U
Methyl Acetate		0.2 U	0.2 U	0.2 U	0.2 U
Methyl tert-butyl Ether	10	0.35 U	0.92 J	0.35 U	0.52 J
Methylcyclohexane		0.2 U	0.2 U	8.7	0.2 U
Methylene Chloride	5	0.41 U	0.41 U	0.41 U	0.41 U
o-Xylene	5	0.43 U	0.43 U	0.43 U	0.43 U
Styrene	5	0.36 U	0.36 U	0.36 U	0.36 U
trans-1,3-Dichloropropene	0.4**	0.29 U	0.29 U	0.29 U	0.29 U
Tetrachloroethene	5	25	0.27 U	0.27 U UJ	0.27 U UJ
Toluene	5	0.37 U	0.37 U	0.37 U	0.37 U
trans-1,2-Dichloroethene	5	0.41 U	0.41 U	0.41 U	0.41 U
Trichloroethene	5	6.4	0.28 U	0.28 U	0.28 U
Trichlorofluoromethane	5	0.35 U	0.35 U	0.35 U	0.35 U
Vinyl Chloride	2	2	0.34 U	0.34 U	1.7
Total TICs					
SVOCs					
1,1-Biphenyl	5	0.15 U	0.16 U	0.16 U	0.15 U
2,2-oxybis(1-Chloropropane)		0.17 U	0.18 U	0.18 U	0.17 U
2,4,5-Trichlorophenol	1	0.41 U	0.42 U	~~0.42 U~~ R	0.41 U
2,4,6-Trichlorophenol	1	0.57 U	0.58 U	0.58 U	0.57 U
2,4-Dichlorophenol	5	0.67 U	0.69 U	~~0.69 U~~ R	0.67 U
2,4-Dimethylphenol	50*	0.72 U	0.74 U	~~0.74 U~~ R	0.72 U
2,4-Dinitrophenol	10*	2.1 U UJ	2.2 U UJ	~~2.2 U~~ R	2.1 U UJ
2,4-Dinitrotoluene	5	1.1 U	1.1 U	1.1 U	1.1 U
2,6-Dinitrotoluene	5	0.33 U	0.33 U	0.33 U	0.33 U
2-Chloronaphthalene	10*	0.16 U	0.17 U	0.17 U	0.16 U
2-Chlorophenol		0.55 U	0.56 U	~~0.56 U~~ R	0.55 U
2-Methylnaphthalene		0.33 U	0.33 U	0.33 U	0.33 U
2-Methylphenol		0.24 U	0.25 U	~~0.25 U~~ R	0.24 U
2-Nitroaniline	5	0.5 U	0.51 U	0.51 U	0.5 U
2-Nitrophenol		0.53 U	0.54 U	~~0.54 U~~ R	0.53 U
3,3-Dichlorobenzidine	5	2 U	2.1 U	2.1 U	2 U

Table 3
Summary of Groundwater Sampling Results (VOCs/SVOCs)
Former Majestic Garment Cleaners
Brooklyn, New York

DRAFT
DATA NOT VALIDATED

Well / Boring ID Depth (ft. bgs) Sampling Date Matrix Units	NYSDEC Class GA Standard or Guidance Value ug/L	SB-09 13 3/24/2011 WATER ug/L	SB-09 25 3/24/2011 WATER ug/L	SB-10 13 3/24/2011 WATER ug/L	SB-10 25 3/24/2011 WATER ug/L
3+4-Methylphenols		0.39 U	0.4 U	~~0.4 U~~ R	0.39 U
3-Nitroaniline	5	1.1 U	1.1 U	1.1 U	1.1 U
4,6-Dinitro-2-methylphenol		0.76 U	0.77 U	~~0.77 U~~ R	0.76 U
4-Bromophenyl-phenylether		0.23 U	0.24 U	0.24 U	0.23 U
4-Chloro-3-methylphenol		0.41 U	0.42 U	~~0.42 U~~ R	0.41 U
4-Chloroaniline	5	2.9 U UJ	3 U UJ	3 U UJ	2.9 U UJ
4-Chlorophenyl-phenylether		0.21 U	0.22 U	0.22 U	0.21 U
4-Nitroaniline	5	1.4 U	1.4 U	1.4 U	1.4 U
4-Nitrophenol		2 U	2.1 U	~~2.1 U~~ R	2 U
Acenaphthene	20*	0.21 U	0.22 U	0.22 U	0.21 U
Acenaphthylene		0.71 U	0.73 U	0.73 U	0.71 U
Acetophenone		0.14 U	0.15 U	0.15 U	0.14 U
Anthracene	50*	0.16 U	0.17 U	0.17 U	0.16 U
Atrazine	7.5	0.41 U	0.42 U	0.42 U	0.41 U
Benzaldehyde		0.79 UJ	0.8 UJ	0.8 UJ	0.79 UJ
Benzo(a)anthracene	0.002*	0.16 U	0.17 U	0.17 U	0.16 U
Benzo(a)pyrene	ND	0.14 U	0.15 U	0.15 U	0.14 U
Benzo(b)fluoranthene	0.002*	0.3 U	0.3 U	0.3 U	0.3 U
Benzo(g,h,i)perylene		0.3 U	0.3 U	0.3 U	0.3 U
Benzo(k)fluoranthene	0.002*	0.18 U	0.19 U	0.19 U	0.18 U
bis(2-Chloroethoxy)methane	5	0.56 U	0.57 U	0.57 U	0.56 U
bis(2-Chloroethyl)ether	1	0.56 U	0.57 U	0.57 U	0.56 U
bis(2-Ethylhexyl)phthalate	5	0.16 U	0.17 U	1.8 J	0.16 U
Butylbenzylphthalate	50*	0.19 U	0.2 U	0.2 U	0.19 U
Caprolactam		2 U	2.1 U	2.1 U	2 U
Carbazole		0.22 U	0.23 U	0.23 U	0.22 U
Chrysene	0.002*	0.18 U	0.19 U	0.19 U	0.18 U
Dibenz(a,h)anthracene		0.43 U	0.44 U	0.44 U	0.43 U
Dibenzofuran		0.24 U	0.25 U	0.25 U	0.24 U
Diethylphthalate	50*	0.39 U	0.4 U	0.4 U	0.39 U
Dimethylphthalate	50*	0.22 U	0.23 U	0.23 U	0.22 U
Di-n-butylphthalate	50	2 U	2.1 U	2.1 U	2 U
Di-n-octyl phthalate	50*	0.52 U	0.53 U	0.53 U	0.52 U
Fluoranthene	50*	0.41 U	0.42 U	0.42 U	0.41 U

ıble 3
ımmary of Groundwater Sampling Results (VOCs/SVOCs)
ɔrmer Majestic Garment Cleaners
rooklyn, New York

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DATA NOT VALIDATED

ell / Boring ID epth (ft. bgs) ampling Date atrix nits	NYSDEC Class GA Standard or Guidance Value ug/L	SB-09 13 3/24/2011 WATER ug/L	SB-09 25 3/24/2011 WATER ug/L	SB-10 13 3/24/2011 WATER ug/L	SB-10 25 3/24/2011 WATER ug/L
uorene	50*	0.32 U	0.32 U	0.32 U	0.32 U
exachlorobenzene	0.04	0.18 U	0.19 U	0.19 U	0.18 U
exachlorobutadiene	0.5	0.26 U	0.26 U	0.26 U	0.26 U
exachlorocyclopentadiene	5	0.24 U	0.25 U	0.25 U	0.24 U
exachloroethane	5	0.26 U	0.26 U	0.26 U	0.26 U
deno(1,2,3-cd)pyrene	0.002*	0.15 U	0.16 U	0.16 U	0.15 U
ophorone	50*	0.31 U	0.31 U	0.31 U	0.31 U
aphthalene	10*	0.12 U	0.12 U	0.12 U	0.12 U
trobenzene	0.4	0.69 U	0.71 U	0.71 U	0.69 U
-Nitroso-di-n-propylamine		0.2 U	0.21 U	0.21 U	0.2 U
-Nitrosodiphenylamine	50*	0.61 U	0.62 U	0.62 U	0.61 U
entachlorophenol	1	1.8 U	1.8 U	~~1.8 U~~ R	1.8 U
henanthrene	50	0.27 U	0.27 U	0.27 U	0.27 U
henol	1	0.21 U	0.22 U	~~0.22 U~~ R	0.21 U
rene	50	0.2 U	0.21 U	0.21 U	0.2 U

otes:
- Compound was not detected, Reporting Limit is provided.
Concentration is an approximate value.
D - Not detected.
S - Not sampled.
ghlighted cells exceed NYSDEC Class GA standard or guidanc

TABLE 4
SUMMARY OF AIR SAMPLING RESULTS
FORMER MAJESTIC CLEANERS
BROOKLYN, NEW YORK

DRAFT
DATA NOT VALIDATED

Sample ID	AA-1	SV-1	SV-2	SV-X	SV-3	SV-4	SV-5	SV-6	SV-7	SV-8	SV-9	SV-10	SV-11
Sample Type	Ambient Air	Soil Vapor	Soil Vapor	SV-2 Dup	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor
Date	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011
Units	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³
VOCs													
1,1,1-Trichloroethane	0.19 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	5.5 U	11 U	5.5 U	5.5 U	5.5 U
1,1,2,2-Tetrachloroethane	0.24 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	6.9 U	14 U	6.9 U	6.9 U	6.9 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.54	0.77 U	0.77 U	0.77 U	0.78	0.77 U	0.77 U	0.77 U	7.7 U	15 U	7.7 U	7.7 U	7.7 U
1,1,2-Trichloroethane	0.19 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	5.5 U	11 U	5.5 U	5.5 U	5.5 U
1,1-Dichloroethane	0.014 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	4 U	8.1 U	4 U	4 U	4 U
1,1-Dichloroethene	0.14 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	2,000	8.2	110	4 U	23
1,2,4-Trichlorobenzene	0.26 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	7.4 U	15 U	7.4 U	7.4 U	7.4 U
1,2,4-Trimethylbenzene	0.27	0.49 U	3.8	0.49 U	5	0.49 U	1.2	4.7	240	20	8.5	9.6	12
1,2-Dibromoethane (EDB)	0.27 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	7.7 U	15 U	7.7 U	7.7 U	7.7 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	0.25 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	7 U	14 U	7 U	7 U	7 U
1,2-Dichlorobenzene	0.21 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	6 U	12 U	6 U	6 U	6 U
1,2-Dichloroethane	0.14 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	4 U	8.1 U	4 U	4 U	4 U
1,2-Dichloropropane	0.16 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	4.6 U	9.2 U	4.6 U	4.6 U	4.6 U
1,3,5-Trimethylbenzene	0.17 U	0.49 U	0.98	0.49 U	1.2	0.49 U	0.49 U	1.2	190	9.8 U	4.9 U	11	4.9 U
1,3-Butadiene	0.078 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	2.2 U	4.4 U	2.2 U	2.2 U	2.2 U
1,3-Dichlorobenzene	0.21 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	6 U	12 U	6 U	6 U	6 U
1,4-Dichlorobenzene	0.21 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	6 U	12 U	6 U	6 U	6 U
2-Butanone (Methyl Ethyl Ketone)	2.2	1.5	4.1	0.51	3.4	1.5	4.5	5.5	19	21	3.5	3.7	2.9 U
2-Hexanone (MBK)	0.29	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.77 U	4.1 U	8.2 U	4.1 U	4.1 U	4.1 U
4-Ethyltoluene	0.17 U	0.49 U	0.8	0.49 U	2.1	0.49 U	0.49 U	1.1	88	9.8 U	4.9 U	6.3	4.9 U
4-Methyl-2-pentanone	0.14 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	4.1 U	8.2 U	4.1 U	4.1 U	4.1 U
Acetone	14	8.4	49	30	2.4 U	16	51	80	110	210	68	31	24 U
Benzene	0.85	0.32 U	2.6	0.32 U	5.8	0.32 U	0.73	3.7	980	75	560	21	260
Benzyl chloride	0.18 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	5.2 U	10 U	5.2 U	5.2 U	5.2 U
Bromodichloromethane	0.24 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	6.7 U	13 U	6.7 U	6.7 U	6.7 U
Bromoform	0.36 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	21 U	10 U	10 U	10 U
Bromomethane	0.14 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	3.9 U	7.8 U	3.9 U	3.9 U	3.9 U
Carbon Disulfide	0.11 U	0.31 U	1.8	1.5	1.7	0.62	0.54	0.8	82	7	17	7.5	3.1 U
Carbon Tetrachloride	0.39	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	6.3 U	13 U	6.3 U	6.3 U	6.3 U
Chlorobenzene	0.16 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	4.6 U	9.2 U	4.6 U	4.6 U	4.6 U
Chloroethane	0.093 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	450	5.3 U	6.2	2.6 U	2.6 U
Chloroform	0.17 U	2.1	0.49 U	0.49 U	1.8	1.5	0.76	0.88	4.9 U	70	55	4.9 U	7
Chloromethane	0.96	0.21 U	0.27	0.22	0.21 U	0.48	0.39	0.77	2.1 U	4.1 U	2.1 U	2.1 U	2.1 U
cis-1,2-Dichloroethene	0.14 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1.1	440,000	5,900	85,000	42	10,000
cis-1,3-Dichloropropene	0.16 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	4.5 U	9.1 U	4.5 U	4.5 U	4.5 U
Cyclohexane	0.12 U	0.34 U	8.6	1.4	29	0.34 U	1.8	4.2	330	6.9 U	9.7	3.4 U	10

TABLE 4
SUMMARY OF AIR SAMPLING RESULTS
FORMER MAJESTIC CLEANERS
BROOKLYN, NEW YORK

DRAFT
DATA NOT VALIDATED

Sample ID	AA-1	SV-1	SV-2	SV-X	SV-3	SV-4	SV-5	SV-6	SV-7	SV-8	SV-9	SV-10	SV-11
Sample Type	Ambient Air	Soil Vapor	Soil Vapor	SV-2 Dup	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor
Date	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011	3/22/2011
Units	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³	ug/m³
VOCs													
Dibromochloromethane	0.3 U UJ	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	8.5 U	17 U	8.5 U	8.5 U	8.5 U
Dichlorodifluoromethane (Freon 12)	2.3 J	2.1	2.9	2.8	2.7	2.2	1.8	2	4.9 U	9.9 U	4.9 U	4.9 U	4.9 U
Ethanol	6.3 J	4.3	4.1	3.8	8.4	8.3	16	5.7	19 U UJ	55	19 UJ	19 UJ	19 UJ
Ethyl Acetate	0.13 U UJ	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	3.6 U	7.2 U	3.6 U	3.6 U	3.6 U
Ethylbenzene	0.15 U UJ	0.43 U	1.1	0.43 U	2.7 U	0.43 U	1.4	1.9	82 NJ	19	4.8 NJ	5.4 U	19
Heptane	0.19 J	0.41 U	8.8	0.41 U	1.4 NJ	0.41 U	2.5	6.1	150	140	16	45	43
Hexachlorobutadiene	0.37 U UJ	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	11 U UJ	21 U	11 UJ	11 UJ	11 UJ
Hexane	0.64 J	0.35 U	54 J	1.7 J	16	0.42	5.3 U	36	330 U	59	19 U	6.6 NJ	3.9 U
Isopropanol	1.3	0.66	0.25 U	0.25 U	2.4	2.5	6.7	0.25 U	3.2	5.8 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	0.43	0.87 U	4 J	0.87 UJ	5.8	0.87 U	3.2	6.7	310 NJ	58	14	8.7 U	110
Methyl tert-butyl ether	0.13 U UJ	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	3.6 U	7.2 U	3.8 U	3.6 U	3.6 U
Methylene Chloride	1.8 UJ	1.3 U	2.6 U	2.5	3.4	2.6	8.9	17	12	14 U	9.2	6.9 U	11
o-Xylene	0.17 J	0.43 U	1.6 J	0.43 UJ	4.6 NJ	0.43 U	1	2.6	360	24	5.5 NJ	4.3 U	39
Propene	0.6 UJ	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	17 U	34 U	17 U	17 U	17 U
Styrene	0.15 U UJ	0.43 UJ	0.43 UJ	0.43 UJ	0.64 NJ	0.43 UJ	0.43 UJ	0.43 UJ	4.3 U	19 J	4.3 U	4.3 U	24
Tetrachloroethene	0.53 J	1,600	8.5 J	0.68 UJ	15	14	32	260	79,000	180,000	640,000	8,300	16,000
Tetrahydrofuran	0.1 UJ	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	2.9 U	5.9 U	2.9 U	2.9 U	2.9 U
Toluene	1.7 J	0.54	4.7 J	0.38 UJ	9.2	0.41	36	11	180	860	72	25	480
trans-1,2-Dichloroethene	0.14 U UJ	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	4,800	470	1,600	4 U	9.1
trans-1,3-Dichloropropene	0.16 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	4.5 U	9.1 U	4.5 U	4.5 U	4.5 U
Trichloroethene	0.19 U	2.9	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	8	24,000	4,100	25,000	110	2,400
Trichlorofluoromethane (Freon 11)	1.2 J	0.91	1.8	1.4	1.7	0.93	0.63	2.1	5.6 U	11 U	5.6 U	5.6 U	5.6 U
Vinyl Acetate	0.12 U UJ	0.35 UJ	0.35 UJ	0.35 UJ	0.35 UJ	0.35 UJ	0.35 UJ	0.35 UJ	3.5 U	7 UJ	3.5 U	3.5 U	3.5 U
Vinyl Chloride	0.09 U UJ	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.57	330,000	5.1 U	810	2.6 U	9.4

Notes:
U - The compound was not detected at the indicated concentration.

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
Facsimile 518-251-4428

May 7, 2012

Stefan Bagnato
ARCADIS Malcolm Pirnie, Inc.
855 Rt 146 Suite 204
Clifton Park, NY 12065

RE: Validation of the Former Majestic Cleaners Analytical Data Packages
Chemtech SDG Nos. C3374
Con-test SDG No. 11H0556

Dear Mr. Bagnato:

Review has been completed for the data packages generated by Chemtech and Con-test Laboratories that pertain to samples collected 08/10/11 and 0811/11 at the Former Majestic Cleaners site. Four aqueous samples and an aqueous field duplicates were analyzed for TCL volatile analytes by method EPA 8260B and TCL semivolatile analytes by EPA 8270C. Ten air samples and a field duplicate were processed for volatile analytes by USEPA method TO-15.

The data packages submitted by the laboratory contain full deliverables for validation, but this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. Full validation has not been performed. However, the reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA national and regional validation documents, and in consideration for the specific requirements of the analytical methodology. The following items were reviewed:

The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Method and Trip Blanks
* Matrix Spike Recoveries/Duplicate Correlations
* Field Duplicate Correlations
* Laboratory Control Sample (LCS)
* Instrumental Tunes
* Initial and Continuing Calibration and Standards
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable.

In summary, most results for target analyte are usable either as reported or with minor qualification as estimated in value. However, the results for the phenolic compounds in one aqueous sample are not usable. The laboratory did not perform the re-extraction of that sample to improve or confirm a potential matrix effect.

Copies of the client sample identifications and the laboratory case narrative are attached to this text, and should be reviewed in conjunction with this report. Also attached are client results tables, with recommended qualifiers applied in red ink.

Chain-of-Custody

Strike-overs should have been dated and initialed.

Blind Field Duplicate

The blind field duplicate evaluations of PZ-9 and SV-13 show acceptable correlations.

Volatile Analyses by EPA8260B

PZ-9 and DUP were processed undiluted and showed very high concentrations of some of the target analytes, requiring dilution analyses. The concentrations in DUP matched the parent sample values. Dilution analyses of those samples were processed two days later, and show significantly lower adjusted concentrations than had been derived from the undiluted analyses (up to five-fold lower); once again the field duplicate correlated well with the parent sample. Aqueous samples do not typically show that level of variance. A third sample, PZ-10, also required dilution. Those results correlated well with the undiluted, but in that case, the undiluted and diluted were run the same day. Although DUP and PZ-9 were processed three times, there were three vials submitted, so loss from container is not suspected. Stated dilution factors cannot be verified because the laboratory does not provide actual sample volumes of dilutions. The reason for the variance with PZ-9 and DUP is not evident in the data package. As such, a conservative approach where the initial, higher concentrations are used for the analytes flagged as "E" in DUP and PZ-9, and all detected values in those two samples are qualified as estimated due to the unexplained variances and/or due to values above the established linear range of the instrument.

Results for cis-1,2-dichloroethene in PZ-10 is derived from the dilution analysis of the sample.

The results for benzene and ethylbenzene in PZ-10 are qualified as tentative in identification and estimated in value due to poor mass spectral quality.

Holding time requirements were met, and instrument tunes meet fragmentation requirements. Surrogate and internal standard recoveries are within laboratory acceptance ranges.

Blanks show no contamination.

Matrix spikes of all analytes in PZ-7 show acceptable recoveries and duplicate correlations. LCS recoveries are compliant.

Initial and continuing calibration standard (ICV and CCV) responses are within protocol and validation guidelines.

TICs reported with a CAS number should have been flagged by the laboratory as "N" to indicate that the identifications are tentative.

Semivolatile Analyses by EPA8270C

PZ-10 produced recovery for one of the acid surrogates that is below 10%. The sample should have been re-extracted to confirm matrix effect, but was not. Results for the acid (phenolic) compounds in that sample are therefore rejected, and are not usable. Base/neutral compound results are not affected.

Matrix spikes of all analytes in PZ-7 show acceptable recoveries and duplicate correlations. LCS recoveries are compliant.

Initial and continuing calibration standard (ICV and CCV) responses are within protocol and validation guidelines.

Holding time requirements were met, and instrument tunes meet fragmentation requirements. Internal standard recoveries are within required limits. Blanks show no contamination.

TICs that are flagged by the laboratory as "B" or "A" are rejected as sample components, as they are also present in the associated blank and/or are extraction artifacts. Similarly, detections of volatile target analytes such as trichloroethene and tetrachloroethene are to be disregarded as semivolatile TICs.

TICs reported with a CAS number should have been flagged by the laboratory as "N" to indicate that the identifications are tentative.

Volatile Analyses in Air by TO-15

The following detections have been qualified as tentative in identification and estimated in value due to poor spectral quality:

- 1,3,5-trimethylbenzene in SV-14 and SV-20
- 1,3,5-trimethylbenzene, 4-ethyltoluene, toluene, and tetrachloroethene in SV-18

Due to very poor mass spectral quality and/or signal to noise response ratios, the following reported detections have been edited to reflect non-detection, often at significantly elevated reporting limits (due to matrix interferences):

- ethylbenzene, m,p-xylene, o-xylene, and styrene, in SV-18
- 4-ethyltoluene and bromodichloromethane in SV-19

Holding times were met. Surrogate standard recoveries are within required limits. Low internal standard recoveries observed in one sample dilution analysis do not affect sample reported results. Calibration standard responses are acceptable. Blanks show no contamination of target analytes detected in the associated samples.

The summary report Forms 4 should state the date of analysis.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected. The associated reported quantitation limit is an estimate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs and CASE NARRATIVES

con-test®
ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Malcolm Pirnie - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: Stefan Bagnato

REPORT DATE: 8/24/2011

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 00266384.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11H0556

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Majestic Cleaners, Brooklyn

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
AA-2	11H0556-01	Ambient Air	Ambient Air	EPA TO-15	
SV-12	11H0556-02	Soil Gas	Soil Vapor	EPA TO-15	
SV-13	11H0556-03	Soil Gas	Soil Vapor	EPA TO-15	
SV-A	11H0556-04	Soil Gas	Soil Vapor	EPA TO-15	
SV-14	11H0556-05	Soil Gas	Soil Vapor	EPA TO-15	
SV-15	11H0556-06	Soil Gas	Soil Vapor	EPA TO-15	
SV-16	11H0556-07	Soil Gas	Soil Vapor	EPA TO-15	
SV-17	11H0556-08	Soil Gas	Soil Vapor	EPA TO-15	
SV-18	11H0556-09	Soil Gas	Soil Vapor	EPA TO-15	
SV-19	11H0556-10	Soil Gas	Soil Vapor	EPA TO-15	
SV-20	11H0556-11	Soil Gas	Soil Vapor	EPA TO-15	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
DUP-081111	C3374-01	8260B	8270C				
TRIPBLANK	C3374-02	8260B					
PZ-9	C3374-03	8260B	8270C				
PZ-10	C3374-04	8260B	8270C				
PZ-7	C3374-05	8260B	8270C				
PZ-8	C3374-08	8260B	8270C				

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: 02-66-384 Former Majestic cleaners
Project # N/A
Chemtech Project # C3374
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
8 Water samples were received on 08/12/2011.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_E were done using GC column RTX-VMS which is 60 meters, 0.25 mm id, 1.40 um df, Zebron. #ZB-624. The Trap was supplied by OI Analytical, OI #130107 Trap , OI Eclipse 4660 Concentrator.The analysis of VOC-TCLVOA-10 was based on method 8260B.

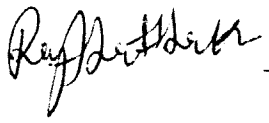
D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD recoveries met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
Bromomethane has taken highest calibration level is 100 ppm .
The Initial Calibration met the requirements .
The Continuous Calibration File ID VE023508.D met the requirements except for Bromomethane but the samples have no hit for this compound.
The Tuning criteria met requirements.
Samples DUP-081111, PZ-9 and PZ-10 were diluted due to high concentrations.

E. Additional Comments:
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount

for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature____  ____ Kalpana Raythattha
I am approving this document
2011.08.26 14:43:47 -05'00'

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: 02-66-384 Former Majestic cleaners
Project # N/A
Chemtech Project # C3374
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
8 Water samples were received on 08/12/2011.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column RTX-5 SILMS which is 20 meters, 0.18 mm ID, 0.36 um df, Catalog # 42704.The analysis of SVOC-TCL BNA -20 was based on method 8270C and extraction was done based on method 3510C.

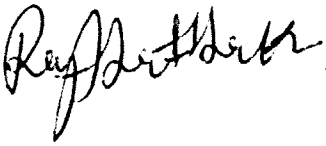
D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for PZ-10 [Phenol-d5 - 9%].
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD recoveries met criteria .
The Blank Spike for {PB57413BS} with File ID: BF048042.D met requirements for all samples except for Atrazine[0%] but it is not present in the sample .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

E. Additional Comments:
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

CHEMTECH

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature  Kalpana Raythattha
I am approving this document
2011.08.26 14:44:05 -05'00'

QUALIFIED SAMPLE RESULTS FORMS

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: AA-2
Sample ID: 11H0556-01
Sample Matrix: Ambient Air
Sampled: 8/10/2011 18:00

Sample Description/Location: Ambient Air
Sub Description/Location:
Canister ID: 1466
Canister Size: 6 liter
Flow Controller ID: 3001
Sample Type: 8 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -15
Receipt Vacuum(in Hg): -12.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	11	1.4		25	3.3	0.702	8/18/11 23:12	TPH
Benzene	0.28	0.035		0.90	0.11	0.702	8/18/11 23:12	TPH
Benzyl chloride	ND	0.035		ND	0.18	0.702	8/18/11 23:12	TPH
Bromodichloromethane	ND	0.035		ND	0.24	0.702	8/18/11 23:12	TPH
Bromoform	ND	0.035		ND	0.36	0.702	8/18/11 23:12	TPH
Bromomethane	ND	0.035		ND	0.14	0.702	8/18/11 23:12	TPH
1,3-Butadiene	ND	0.035		ND	0.078	0.702	8/18/11 23:12	TPH
2-Butanone (MEK)	ND	1.4		ND	4.1	0.702	8/18/11 23:12	TPH
Carbon Disulfide	ND	0.35		ND	1.1	0.702	8/18/11 23:12	TPH
Carbon Tetrachloride	0.065	0.035		0.41	0.22	0.702	8/18/11 23:12	TPH
Chlorobenzene	ND	0.035		ND	0.16	0.702	8/18/11 23:12	TPH
Chloroethane	ND	0.035		ND	0.093	0.702	8/18/11 23:12	TPH
Chloroform	ND	0.035		ND	0.17	0.702	8/18/11 23:12	TPH
Chloromethane	0.44	0.035		0.92	0.072	0.702	8/18/11 23:12	TPH
Cyclohexane	ND	0.035		ND	0.12	0.702	8/18/11 23:12	TPH
Dibromochloromethane	ND	0.035		ND	0.30	0.702	8/18/11 23:12	TPH
1,2-Dibromoethane (EDB)	ND	0.035		ND	0.27	0.702	8/18/11 23:12	TPH
1,2-Dichlorobenzene	ND	0.035		ND	0.21	0.702	8/18/11 23:12	TPH
1,3-Dichlorobenzene	ND	0.035		ND	0.21	0.702	8/18/11 23:12	TPH
1,4-Dichlorobenzene	0.055	0.035		0.33	0.21	0.702	8/18/11 23:12	TPH
Dichlorodifluoromethane (Freon 12)	0.32	0.035		1.6	0.17	0.702	8/18/11 23:12	TPH
1,1-Dichloroethane	ND	0.035		ND	0.14	0.702	8/18/11 23:12	TPH
1,2-Dichloroethane	ND	0.035		ND	0.14	0.702	8/18/11 23:12	TPH
1,1-Dichloroethylene	ND	0.035		ND	0.14	0.702	8/18/11 23:12	TPH
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	8/18/11 23:12	TPH
trans-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	8/18/11 23:12	TPH
1,2-Dichloropropane	ND	0.035		ND	0.16	0.702	8/18/11 23:12	TPH
cis-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	8/18/11 23:12	TPH
trans-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	8/18/11 23:12	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035		ND	0.25	0.702	8/18/11 23:12	TPH
Ethanol	5.3	1.4		10.0	2.6	0.702	8/18/11 23:12	TPH
Ethyl Acetate	ND	0.035		ND	0.13	0.702	8/18/11 23:12	TPH
Ethylbenzene	0.14	0.035		0.59	0.15	0.702	8/18/11 23:12	TPH
4-Ethyltoluene	0.044	0.035		0.21	0.17	0.702	8/18/11 23:12	TPH
Heptane	0.12	0.035		0.48	0.14	0.702	8/18/11 23:12	TPH
Hexachlorobutadiene	ND	0.035		ND	0.37	0.702	8/18/11 23:12	TPH
Hexane	ND	1.4		ND	4.9	0.702	8/18/11 23:12	TPH
2-Hexanone (MBK)	0.077	0.035		0.32	0.14	0.702	8/18/11 23:12	TPH

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: AA-2
Sample ID: 11H0556-01
Sample Matrix: Ambient Air
Sampled: 8/10/2011 18:00

Sample Description/Location: Ambient Air
Sub Description/Location:
Canister ID: 1466
Canister Size: 6 liter
Flow Controller ID: 3001
Sample Type: 8 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -15
Receipt Vacuum(in Hg): -12.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Isopropanol	ND	1.4		ND	3.4	0.702	8/18/11 23:12	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.035		ND	0.13	0.702	8/18/11 23:12	TPH
Methylene Chloride	0.72	0.35		2.5	1.2	0.702	8/18/11 23:12	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.035		ND	0.14	0.702	8/18/11 23:12	TPH
Propene	ND	1.4		ND	2.4	0.702	8/18/11 23:12	TPH
Styrene	0.040	0.035		0.17	0.15	0.702	8/18/11 23:12	TPH
1,1,2,2-Tetrachloroethane	ND	0.035		ND	0.24	0.702	8/18/11 23:12	TPH
Tetrachloroethylene	0.15	0.035		1.0	0.24	0.702	8/18/11 23:12	TPH
Tetrahydrofuran	ND	0.035		ND	0.10	0.702	8/18/11 23:12	TPH
Toluene	0.92	0.035		3.5	0.13	0.702	8/18/11 23:12	TPH
1,2,4-Trichlorobenzene	ND	0.035		ND	0.26	0.702	8/18/11 23:12	TPH
1,1,1-Trichloroethane	ND	0.035		ND	0.19	0.702	8/18/11 23:12	TPH
1,1,2-Trichloroethane	ND	0.035		ND	0.19	0.702	8/18/11 23:12	TPH
Trichloroethylene	ND	0.035		ND	0.19	0.702	8/18/11 23:12	TPH
Trichlorofluoromethane (Freon 11)	0.23	0.035		1.3	0.20	0.702	8/18/11 23:12	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.065	0.035		0.49	0.27	0.702	8/18/11 23:12	TPH
1,2,4-Trimethylbenzene	0.15	0.035		0.73	0.17	0.702	8/18/11 23:12	TPH
1,3,5-Trimethylbenzene	0.044	0.035		0.21	0.17	0.702	8/18/11 23:12	TPH
Vinyl Acetate	ND	0.035		ND	0.12	0.702	8/18/11 23:12	TPH
Vinyl Chloride	ND	0.035		ND	0.090	0.702	8/18/11 23:12	TPH
m&p-Xylene	0.44	0.070		1.9	0.30	0.702	8/18/11 23:12	TPH
o-Xylene	0.16	0.035		0.71	0.15	0.702	8/18/11 23:12	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	100	70-130	8/18/11 23:12

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-12
Sample ID: 11H0556-02
Sample Matrix: Soil Gas
Sampled: 8/10/2011 12:05

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1063
Canister Size: 6 liter
Flow Controller ID: 3350
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -6.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	ND	40		ND	95	20	8/18/11 23:51	TPH
Benzene	ND	1.0		ND	3.2	20	8/18/11 23:51	TPH
Benzyl chloride	ND	1.0		ND	5.2	20	8/18/11 23:51	TPH
Bromodichloromethane	ND	1.0		ND	6.7	20	8/18/11 23:51	TPH
Bromoform	ND	1.0		ND	10	20	8/18/11 23:51	TPH
Bromomethane	ND	1.0		ND	3.9	20	8/18/11 23:51	TPH
1,3-Butadiene	ND	1.0		ND	2.2	20	8/18/11 23:51	TPH
2-Butanone (MEK)	ND	40		ND	120	20	8/18/11 23:51	TPH
Carbon Disulfide	ND	10		ND	31	20	8/18/11 23:51	TPH
Carbon Tetrachloride	ND	1.0		ND	6.3	20	8/18/11 23:51	TPH
Chlorobenzene	ND	1.0		ND	4.6	20	8/18/11 23:51	TPH
Chloroethane	ND	1.0		ND	2.6	20	8/18/11 23:51	TPH
Chloroform	ND	1.0		ND	4.9	20	8/18/11 23:51	TPH
Chloromethane	ND	1.0		ND	2.1	20	8/18/11 23:51	TPH
Cyclohexane	ND	1.0		ND	3.4	20	8/18/11 23:51	TPH
Dibromochloromethane	ND	1.0		ND	8.5	20	8/18/11 23:51	TPH
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	8/18/11 23:51	TPH
1,2-Dichlorobenzene	ND	1.0		ND	6.0	20	8/18/11 23:51	TPH
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	8/18/11 23:51	TPH
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	8/18/11 23:51	TPH
Dichlorodifluoromethane (Freon 12)	ND	1.0		ND	4.9	20	8/18/11 23:51	TPH
1,1-Dichloroethane	ND	1.0		ND	4.0	20	8/18/11 23:51	TPH
1,2-Dichloroethane	ND	1.0		ND	4.0	20	8/18/11 23:51	TPH
1,1-Dichloroethylene	ND	1.0		ND	4.0	20	8/18/11 23:51	TPH
cis-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/18/11 23:51	TPH
trans-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/18/11 23:51	TPH
1,2-Dichloropropane	ND	1.0		ND	4.6	20	8/18/11 23:51	TPH
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/18/11 23:51	TPH
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/18/11 23:51	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	8/18/11 23:51	TPH
Ethanol	ND	40		ND	75	20	8/18/11 23:51	TPH
Ethyl Acetate	ND	1.0		ND	3.6	20	8/18/11 23:51	TPH
Ethylbenzene	ND	1.0		ND	4.3	20	8/18/11 23:51	TPH
4-Ethyltoluene	ND	1.0		ND	4.9	20	8/18/11 23:51	TPH
Heptane	ND	1.0		ND	4.1	20	8/18/11 23:51	TPH
Hexachlorobutadiene	ND	1.0		ND	11	20	8/18/11 23:51	TPH
Hexane	ND	40		ND	140	20	8/18/11 23:51	TPH
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	8/18/11 23:51	TPH

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-12
Sample ID: 11H0556-02
Sample Matrix: Soil Gas
Sampled: 8/10/2011 12:05

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1063
Canister Size: 6 liter
Flow Controller ID: 3350
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -6.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	40		ND	98	20	8/18/11 23:51	TPH
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6	20	8/18/11 23:51	TPH
Methylene Chloride	ND	10		ND	35	20	8/18/11 23:51	TPH
4-Methyl-2-pentanone (MIBK)	ND	1.0		ND	4.1	20	8/18/11 23:51	TPH
Propene	ND	40		ND	69	20	8/18/11 23:51	TPH
Styrene	ND	1.0		ND	4.3	20	8/18/11 23:51	TPH
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	8/18/11 23:51	TPH
Tetrachloroethylene	58	1.0		400	6.8	20	8/18/11 23:51	TPH
Tetrahydrofuran	ND	1.0		ND	2.9	20	8/18/11 23:51	TPH
Toluene	3.1	1.0		12	3.8	20	8/18/11 23:51	TPH
1,2,4-Trichlorobenzene	ND	1.0		ND	7.4	20	8/18/11 23:51	TPH
1,1,1-Trichloroethane	ND	1.0		ND	5.5	20	8/18/11 23:51	TPH
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	8/18/11 23:51	TPH
Trichloroethylene	ND	1.0		ND	5.4	20	8/18/11 23:51	TPH
Trichlorofluoromethane (Freon 11)	1.0	1.0		5.6	5.6	20	8/18/11 23:51	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0		ND	7.7	20	8/18/11 23:51	TPH
1,2,4-Trimethylbenzene	2.2	1.0		11	4.9	20	8/18/11 23:51	TPH
1,3,5-Trimethylbenzene	ND	1.0		ND	4.9	20	8/18/11 23:51	TPH
Vinyl Acetate	ND	1.0		ND	3.5	20	8/18/11 23:51	TPH
Vinyl Chloride	ND	1.0		ND	2.6	20	8/18/11 23:51	TPH
m&p-Xylene	3.5	2.0		15	8.7	20	8/18/11 23:51	TPH
o-Xylene	1.1	1.0		4.7	4.3	20	8/18/11 23:51	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	100	70-130	8/18/11 23:51

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-13
Sample ID: 11H0556-03
Sample Matrix: Soil Gas
Sampled: 8/10/2011 12:30

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1192
Canister Size: 6 liter
Flow Controller ID: 3291
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	ND	40		ND	95	20	8/19/11 0:31	TPH
Benzene	ND	1.0		ND	3.2	20	8/19/11 0:31	TPH
Benzyl chloride	ND	1.0		ND	5.2	20	8/19/11 0:31	TPH
Bromodichloromethane	ND	1.0		ND	6.7	20	8/19/11 0:31	TPH
Bromoform	ND	1.0		ND	10	20	8/19/11 0:31	TPH
Bromomethane	ND	1.0		ND	3.9	20	8/19/11 0:31	TPH
1,3-Butadiene	ND	1.0		ND	2.2	20	8/19/11 0:31	TPH
2-Butanone (MEK)	ND	40		ND	120	20	8/19/11 0:31	TPH
Carbon Disulfide	ND	10		ND	31	20	8/19/11 0:31	TPH
Carbon Tetrachloride	ND	1.0		ND	6.3	20	8/19/11 0:31	TPH
Chlorobenzene	ND	1.0		ND	4.6	20	8/19/11 0:31	TPH
Chloroethane	ND	1.0		ND	2.6	20	8/19/11 0:31	TPH
Chloroform	ND	1.0		ND	4.9	20	8/19/11 0:31	TPH
Chloromethane	ND	1.0		ND	2.1	20	8/19/11 0:31	TPH
Cyclohexane	ND	1.0		ND	3.4	20	8/19/11 0:31	TPH
Dibromochloromethane	ND	1.0		ND	8.5	20	8/19/11 0:31	TPH
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	8/19/11 0:31	TPH
1,2-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 0:31	TPH
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 0:31	TPH
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 0:31	TPH
Dichlorodifluoromethane (Freon 12)	ND	1.0		ND	4.9	20	8/19/11 0:31	TPH
1,1-Dichloroethane	ND	1.0		ND	4.0	20	8/19/11 0:31	TPH
1,2-Dichloroethane	ND	1.0		ND	4.0	20	8/19/11 0:31	TPH
1,1-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 0:31	TPH
cis-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 0:31	TPH
trans-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 0:31	TPH
1,2-Dichloropropane	ND	1.0		ND	4.6	20	8/19/11 0:31	TPH
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/19/11 0:31	TPH
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/19/11 0:31	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	8/19/11 0:31	TPH
Ethanol	ND	40		ND	75	20	8/19/11 0:31	TPH
Ethyl Acetate	ND	1.0		ND	3.6	20	8/19/11 0:31	TPH
Ethylbenzene	1.3	1.0		5.5	4.3	20	8/19/11 0:31	TPH
4-Ethyltoluene	1.1	1.0		5.4	4.9	20	8/19/11 0:31	TPH
Heptane	ND	1.0		ND	4.1	20	8/19/11 0:31	TPH
Hexachlorobutadiene	ND	1.0		ND	11	20	8/19/11 0:31	TPH
Hexane	ND	40		ND	140	20	8/19/11 0:31	TPH
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	8/19/11 0:31	TPH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-13
Sample ID: 11H0556-03
Sample Matrix: Soil Gas
Sampled: 8/10/2011 12:30

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1192
Canister Size: 6 liter
Flow Controller ID: 3291
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	40		ND	98	20	8/19/11 0:31	TPH
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6	20	8/19/11 0:31	TPH
Methylene Chloride	ND	10		ND	35	20	8/19/11 0:31	TPH
4-Methyl-2-pentanone (MIBK)	ND	1.0		ND	4.1	20	8/19/11 0:31	TPH
Propene	ND	40		ND	69	20	8/19/11 0:31	TPH
Styrene	ND	1.0		ND	4.3	20	8/19/11 0:31	TPH
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	8/19/11 0:31	TPH
Tetrachloroethylene	7.4	1.0		50	6.8	20	8/19/11 0:31	TPH
Tetrahydrofuran	ND	1.0		ND	2.9	20	8/19/11 0:31	TPH
Toluene	3.8	1.0		14	3.8	20	8/19/11 0:31	TPH
1,2,4-Trichlorobenzene	ND	1.0		ND	7.4	20	8/19/11 0:31	TPH
1,1,1-Trichloroethane	ND	1.0		ND	5.5	20	8/19/11 0:31	TPH
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	8/19/11 0:31	TPH
Trichloroethylene	ND	1.0		ND	5.4	20	8/19/11 0:31	TPH
Trichlorofluoromethane (Freon 11)	ND	1.0		ND	5.6	20	8/19/11 0:31	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0		ND	7.7	20	8/19/11 0:31	TPH
1,2,4-Trimethylbenzene	2.9	1.0		14	4.9	20	8/19/11 0:31	TPH
1,3,5-Trimethylbenzene	ND	1.0		ND	4.9	20	8/19/11 0:31	TPH
Vinyl Acetate	ND	1.0		ND	3.5	20	8/19/11 0:31	TPH
Vinyl Chloride	ND	1.0		ND	2.6	20	8/19/11 0:31	TPH
m&p-Xylene	5.7	2.0		25	8.7	20	8/19/11 0:31	TPH
o-Xylene	1.6	1.0		6.9	4.3	20	8/19/11 0:31	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	8/19/11 0:31

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-A
Sample ID: 11H0556-04
Sample Matrix: Soil Gas
Sampled: 8/10/2011 12:45

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1247
Canister Size: 6 liter
Flow Controller ID: 3032
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): **-6**
Receipt Vacuum(in Hg): -6.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	ND	40		ND	95	20	8/19/11 1:11	TPH
Benzene	ND	1.0		ND	3.2	20	8/19/11 1:11	TPH
Benzyl chloride	ND	1.0		ND	5.2	20	8/19/11 1:11	TPH
Bromodichloromethane	ND	1.0		ND	6.7	20	8/19/11 1:11	TPH
Bromoform	ND	1.0		ND	10	20	8/19/11 1:11	TPH
Bromomethane	ND	1.0		ND	3.9	20	8/19/11 1:11	TPH
1,3-Butadiene	ND	1.0		ND	2.2	20	8/19/11 1:11	TPH
2-Butanone (MEK)	ND	40		ND	120	20	8/19/11 1:11	TPH
Carbon Disulfide	ND	10		ND	31	20	8/19/11 1:11	TPH
Carbon Tetrachloride	ND	1.0		ND	6.3	20	8/19/11 1:11	TPH
Chlorobenzene	ND	1.0		ND	4.6	20	8/19/11 1:11	TPH
Chloroethane	ND	1.0		ND	2.6	20	8/19/11 1:11	TPH
Chloroform	ND	1.0		ND	4.9	20	8/19/11 1:11	TPH
Chloromethane	ND	1.0		ND	2.1	20	8/19/11 1:11	TPH
Cyclohexane	ND	1.0		ND	3.4	20	8/19/11 1:11	TPH
Dibromochloromethane	ND	1.0		ND	8.5	20	8/19/11 1:11	TPH
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	8/19/11 1:11	TPH
1,2-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 1:11	TPH
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 1:11	TPH
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 1:11	TPH
Dichlorodifluoromethane (Freon 12)	ND	1.0		ND	4.9	20	8/19/11 1:11	TPH
1,1-Dichloroethane	ND	1.0		ND	4.0	20	8/19/11 1:11	TPH
1,2-Dichloroethane	ND	1.0		ND	4.0	20	8/19/11 1:11	TPH
1,1-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 1:11	TPH
cis-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 1:11	TPH
trans-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 1:11	TPH
1,2-Dichloropropane	ND	1.0		ND	4.6	20	8/19/11 1:11	TPH
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/19/11 1:11	TPH
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/19/11 1:11	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	8/19/11 1:11	TPH
Ethanol	ND	40		ND	75	20	8/19/11 1:11	TPH
Ethyl Acetate	ND	1.0		ND	3.6	20	8/19/11 1:11	TPH
Ethylbenzene	1.3	1.0		5.7	4.3	20	8/19/11 1:11	TPH
4-Ethyltoluene	ND	1.0		ND	4.9	20	8/19/11 1:11	TPH
Heptane	ND	1.0		ND	4.1	20	8/19/11 1:11	TPH
Hexachlorobutadiene	ND	1.0		ND	11	20	8/19/11 1:11	TPH
Hexane	ND	40		ND	140	20	8/19/11 1:11	TPH
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	8/19/11 1:11	TPH

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-A
Sample ID: 11H0556-04
Sample Matrix: Soil Gas
Sampled: 8/10/2011 12:45

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1247
Canister Size: 6 liter
Flow Controller ID: 3032
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -6.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	40		ND	98	20	8/19/11 1:11	TPH
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6	20	8/19/11 1:11	TPH
Methylene Chloride	ND	10		ND	35	20	8/19/11 1:11	TPH
4-Methyl-2-pentanone (MIBK)	ND	1.0		ND	4.1	20	8/19/11 1:11	TPH
Propene	ND	40		ND	69	20	8/19/11 1:11	TPH
Styrene	ND	1.0		ND	4.3	20	8/19/11 1:11	TPH
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	8/19/11 1:11	TPH
Tetrachloroethylene	7.4	1.0		50	6.8	20	8/19/11 1:11	TPH
Tetrahydrofuran	ND	1.0		ND	2.9	20	8/19/11 1:11	TPH
Toluene	3.8	1.0		14	3.8	20	8/19/11 1:11	TPH
1,2,4-Trichlorobenzene	ND	1.0		ND	7.4	20	8/19/11 1:11	TPH
1,1,1-Trichloroethane	ND	1.0		ND	5.5	20	8/19/11 1:11	TPH
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	8/19/11 1:11	TPH
Trichloroethylene	ND	1.0		ND	5.4	20	8/19/11 1:11	TPH
Trichlorofluoromethane (Freon 11)	ND	1.0		ND	5.6	20	8/19/11 1:11	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0		ND	7.7	20	8/19/11 1:11	TPH
1,2,4-Trimethylbenzene	3.0	1.0		15	4.9	20	8/19/11 1:11	TPH
1,3,5-Trimethylbenzene	ND	1.0		ND	4.9	20	8/19/11 1:11	TPH
Vinyl Acetate	ND	1.0		ND	3.5	20	8/19/11 1:11	TPH
Vinyl Chloride	ND	1.0		ND	2.6	20	8/19/11 1:11	TPH
m&p-Xylene	5.9	2.0		26	8.7	20	8/19/11 1:11	TPH
o-Xylene	1.7	1.0		7.4	4.3	20	8/19/11 1:11	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	104	70-130	8/19/11 1:11

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-14
Sample ID: 11H0556-05
Sample Matrix: Soil Gas
Sampled: 8/10/2011 13:20

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1855
Canister Size: 6 liter
Flow Controller ID: 3184
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	RL	Flag	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Acetone	ND	40		ND	95	20	8/19/11 1:51	TPH
Benzene	110	1.0		340	3.2	20	8/19/11 1:51	TPH
Benzyl chloride	ND	1.0		ND	5.2	20	8/19/11 1:51	TPH
Bromodichloromethane	ND	1.0		ND	6.7	20	8/19/11 1:51	TPH
Bromoform	ND	1.0		ND	10	20	8/19/11 1:51	TPH
Bromomethane	ND	1.0		ND	3.9	20	8/19/11 1:51	TPH
1,3-Butadiene	ND	1.0		ND	2.2	20	8/19/11 1:51	TPH
2-Butanone (MEK)	ND	40		ND	120	20	8/19/11 1:51	TPH
Carbon Disulfide	ND	10		ND	31	20	8/19/11 1:51	TPH
Carbon Tetrachloride	ND	1.0		ND	6.3	20	8/19/11 1:51	TPH
Chlorobenzene	ND	1.0		ND	4.6	20	8/19/11 1:51	TPH
Chloroethane	ND	1.0		ND	2.6	20	8/19/11 1:51	TPH
Chloroform	ND	1.0		ND	4.9	20	8/19/11 1:51	TPH
Chloromethane	ND	1.0		ND	2.1	20	8/19/11 1:51	TPH
Cyclohexane	380	1.0		1300	3.4	20	8/19/11 1:51	TPH
Dibromochloromethane	ND	1.0		ND	8.5	20	8/19/11 1:51	TPH
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	8/19/11 1:51	TPH
1,2-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 1:51	TPH
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 1:51	TPH
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 1:51	TPH
Dichlorodifluoromethane (Freon 12)	5.6	1.0		28	4.9	20	8/19/11 1:51	TPH
1,1-Dichloroethane	ND	1.0		ND	4.0	20	8/19/11 1:51	TPH
1,2-Dichloroethane	ND	1.0		ND	4.0	20	8/19/11 1:51	TPH
1,1-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 1:51	TPH
cis-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 1:51	TPH
trans-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 1:51	TPH
1,2-Dichloropropane	ND	1.0		ND	4.6	20	8/19/11 1:51	TPH
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/19/11 1:51	TPH
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/19/11 1:51	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	8/19/11 1:51	TPH
Ethanol	ND	40		ND	75	20	8/19/11 1:51	TPH
Ethyl Acetate	ND	1.0		ND	3.6	20	8/19/11 1:51	TPH
Ethylbenzene	12	1.0		54	4.3	20	8/19/11 1:51	TPH
4-Ethyltoluene	1.8	1.0		8.8	4.9	20	8/19/11 1:51	TPH
Heptane	290	1.0		1200	4.1	20	8/19/11 1:51	TPH
Hexachlorobutadiene	ND	1.0		ND	11	20	8/19/11 1:51	TPH
Hexane	2100	80		7400	280	40	8/22/11 11:38	TPH
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	8/19/11 1:51	TPH

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-14
Sample ID: 11H0556-05
Sample Matrix: Soil Gas
Sampled: 8/10/2011 13:20

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1855
Canister Size: 6 liter
Flow Controller ID: 3184
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL		Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	40		ND	98		20	8/19/11 1:51	TPH
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6		20	8/19/11 1:51	TPH
Methylene Chloride	ND	10		ND	35		20	8/19/11 1:51	TPH
4-Methyl-2-pentanone (MIBK)	ND	1.0		ND	4.1		20	8/19/11 1:51	TPH
Propene	ND	40		ND	69		20	8/19/11 1:51	TPH
Styrene	ND	1.0		ND	4.3		20	8/19/11 1:51	TPH
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9		20	8/19/11 1:51	TPH
Tetrachloroethylene	1400	2.0		9400	14		40	8/22/11 11:38	TPH
Tetrahydrofuran	ND	1.0		ND	2.9		20	8/19/11 1:51	TPH
Toluene	190	1.0		720	3.8		20	8/19/11 1:51	TPH
1,2,4-Trichlorobenzene	ND	1.0		ND	7.4		20	8/19/11 1:51	TPH
1,1,1-Trichloroethane	ND	1.0		ND	5.5		20	8/19/11 1:51	TPH
1,1,2-Trichloroethane	ND	1.0		ND	5.5		20	8/19/11 1:51	TPH
Trichloroethylene	10	1.0		56	5.4		20	8/19/11 1:51	TPH
Trichlorofluoromethane (Freon 11)	ND	1.0		ND	5.6		20	8/19/11 1:51	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0		ND	7.7		20	8/19/11 1:51	TPH
1,2,4-Trimethylbenzene	3.9	1.0		19	4.9		20	8/19/11 1:51	TPH
1,3,5-Trimethylbenzene	1.1	1.0	NJ	5.6	4.9	NJ	20	8/19/11 1:51	TPH
Vinyl Acetate	ND	1.0		ND	3.5		20	8/19/11 1:51	TPH
Vinyl Chloride	ND	1.0		ND	2.6		20	8/19/11 1:51	TPH
m&p-Xylene	41	2.0		180	8.7		20	8/19/11 1:51	TPH
o-Xylene	8.1	1.0		35	4.3		20	8/19/11 1:51	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	100	70-130	8/22/11 11:38
4-Bromofluorobenzene (1)	104	70-130	8/19/11 1:51

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-15
Sample ID: 11H0556-06
Sample Matrix: Soil Gas
Sampled: 8/10/2011 13:25

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1497
Canister Size: 6 liter
Flow Controller ID: 3217
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	ND	40		ND	95	20	8/19/11 2:31	TPH
Benzene	5.2	1.0		17	3.2	20	8/19/11 2:31	TPH
Benzyl chloride	ND	1.0		ND	5.2	20	8/19/11 2:31	TPH
Bromodichloromethane	ND	1.0		ND	6.7	20	8/19/11 2:31	TPH
Bromoform	ND	1.0		ND	10	20	8/19/11 2:31	TPH
Bromomethane	ND	1.0		ND	3.9	20	8/19/11 2:31	TPH
1,3-Butadiene	ND	1.0		ND	2.2	20	8/19/11 2:31	TPH
2-Butanone (MEK)	ND	40		ND	120	20	8/19/11 2:31	TPH
Carbon Disulfide	ND	10		ND	31	20	8/19/11 2:31	TPH
Carbon Tetrachloride	ND	1.0		ND	6.3	20	8/19/11 2:31	TPH
Chlorobenzene	ND	1.0		ND	4.6	20	8/19/11 2:31	TPH
Chloroethane	ND	1.0		ND	2.6	20	8/19/11 2:31	TPH
Chloroform	22	1.0		110	4.9	20	8/19/11 2:31	TPH
Chloromethane	ND	1.0		ND	2.1	20	8/19/11 2:31	TPH
Cyclohexane	ND	1.0		ND	3.4	20	8/19/11 2:31	TPH
Dibromochloromethane	ND	1.0		ND	8.5	20	8/19/11 2:31	TPH
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	8/19/11 2:31	TPH
1,2-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 2:31	TPH
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 2:31	TPH
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 2:31	TPH
Dichlorodifluoromethane (Freon 12)	ND	1.0		ND	4.9	20	8/19/11 2:31	TPH
1,1-Dichloroethane	ND	1.0		ND	4.0	20	8/19/11 2:31	TPH
1,2-Dichloroethane	ND	1.0		ND	4.0	20	8/19/11 2:31	TPH
1,1-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 2:31	TPH
cis-1,2-Dichloroethylene	330	1.0		1300	4.0	20	8/19/11 2:31	TPH
trans-1,2-Dichloroethylene	8.5	1.0		34	4.0	20	8/19/11 2:31	TPH
1,2-Dichloropropane	ND	1.0		ND	4.6	20	8/19/11 2:31	TPH
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/19/11 2:31	TPH
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/19/11 2:31	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	8/19/11 2:31	TPH
Ethanol	ND	40		ND	75	20	8/19/11 2:31	TPH
Ethyl Acetate	ND	1.0		ND	3.6	20	8/19/11 2:31	TPH
Ethylbenzene	ND	1.0		ND	4.3	20	8/19/11 2:31	TPH
4-Ethyltoluene	ND	1.0		ND	4.9	20	8/19/11 2:31	TPH
Heptane	ND	1.0		ND	4.1	20	8/19/11 2:31	TPH
Hexachlorobutadiene	ND	1.0		ND	11	20	8/19/11 2:31	TPH
Hexane	ND	40		ND	140	20	8/19/11 2:31	TPH
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	8/19/11 2:31	TPH

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-15
Sample ID: 11H0556-06
Sample Matrix: Soil Gas
Sampled: 8/10/2011 13:25

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1497
Canister Size: 6 liter
Flow Controller ID: 3217
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	40		ND	98	20	8/19/11 2:31	TPH
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6	20	8/19/11 2:31	TPH
Methylene Chloride	ND	10		ND	35	20	8/19/11 2:31	TPH
4-Methyl-2-pentanone (MIBK)	ND	1.0		ND	4.1	20	8/19/11 2:31	TPH
Propene	ND	40		ND	69	20	8/19/11 2:31	TPH
Styrene	ND	1.0		ND	4.3	20	8/19/11 2:31	TPH
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	8/19/11 2:31	TPH
Tetrachloroethylene	46000	100		310000	680	2000	8/22/11 16:12	TPH
Tetrahydrofuran	ND	1.0		ND	2.9	20	8/19/11 2:31	TPH
Toluene	1.0	1.0		3.9	3.8	20	8/19/11 2:31	TPH
1,2,4-Trichlorobenzene	ND	1.0		ND	7.4	20	8/19/11 2:31	TPH
1,1,1-Trichloroethane	ND	1.0		ND	5.5	20	8/19/11 2:31	TPH
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	8/19/11 2:31	TPH
Trichloroethylene	1300	100		7000	540	2000	8/22/11 16:12	TPH
Trichlorofluoromethane (Freon 11)	ND	1.0		ND	5.6	20	8/19/11 2:31	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0		ND	7.7	20	8/19/11 2:31	TPH
1,2,4-Trimethylbenzene	4.0	1.0		19	4.9	20	8/19/11 2:31	TPH
1,3,5-Trimethylbenzene	1.2	1.0		6.1	4.9	20	8/19/11 2:31	TPH
Vinyl Acetate	ND	1.0		ND	3.5	20	8/19/11 2:31	TPH
Vinyl Chloride	ND	1.0		ND	2.6	20	8/19/11 2:31	TPH
m&p-Xylene	ND	2.0		ND	8.7	20	8/19/11 2:31	TPH
o-Xylene	1.1	1.0		4.7	4.3	20	8/19/11 2:31	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	112	70-130	8/19/11 2:31
4-Bromofluorobenzene (1)	100	70-130	8/22/11 16:12

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-16
Sample ID: 11H0556-07
Sample Matrix: Soil Gas
Sampled: 8/10/2011 14:55

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1058
Canister Size: 6 liter
Flow Controller ID: 3101
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	62	40		150	95	20	8/19/11 3:19	TPH
Benzene	44	1.0		140	3.2	20	8/19/11 3:19	TPH
Benzyl chloride	ND	1.0		ND	5.2	20	8/19/11 3:19	TPH
Bromodichloromethane	ND	1.0		ND	6.7	20	8/19/11 3:19	TPH
Bromoform	ND	1.0		ND	10	20	8/19/11 3:19	TPH
Bromomethane	ND	1.0		ND	3.9	20	8/19/11 3:19	TPH
1,3-Butadiene	ND	1.0		ND	2.2	20	8/19/11 3:19	TPH
2-Butanone (MEK)	ND	40		ND	120	20	8/19/11 3:19	TPH
Carbon Disulfide	14	10		42	31	20	8/19/11 3:19	TPH
Carbon Tetrachloride	ND	1.0		ND	6.3	20	8/19/11 3:19	TPH
Chlorobenzene	ND	1.0		ND	4.6	20	8/19/11 3:19	TPH
Chloroethane	ND	1.0		ND	2.6	20	8/19/11 3:19	TPH
Chloroform	ND	1.0		ND	4.9	20	8/19/11 3:19	TPH
Chloromethane	1.4	1.0		2.9	2.1	20	8/19/11 3:19	TPH
Cyclohexane	11	1.0		37	3.4	20	8/19/11 3:19	TPH
Dibromochloromethane	ND	1.0		ND	8.5	20	8/19/11 3:19	TPH
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	8/19/11 3:19	TPH
1,2-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 3:19	TPH
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 3:19	TPH
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 3:19	TPH
Dichlorodifluoromethane (Freon 12)	ND	1.0		ND	4.9	20	8/19/11 3:19	TPH
1,1-Dichloroethane	ND	1.0		ND	4.0	20	8/19/11 3:19	TPH
1,2-Dichloroethane	ND	1.0		ND	4.0	20	8/19/11 3:19	TPH
1,1-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 3:19	TPH
cis-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 3:19	TPH
trans-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 3:19	TPH
1,2-Dichloropropane	ND	1.0		ND	4.6	20	8/19/11 3:19	TPH
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/19/11 3:19	TPH
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/19/11 3:19	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	8/19/11 3:19	TPH
Ethanol	ND	40		ND	75	20	8/19/11 3:19	TPH
Ethyl Acetate	ND	1.0		ND	3.6	20	8/19/11 3:19	TPH
Ethylbenzene	2.8	1.0		12	4.3	20	8/19/11 3:19	TPH
4-Ethyltoluene	1.0	1.0		5.1	4.9	20	8/19/11 3:19	TPH
Heptane	12	1.0		50	4.1	20	8/19/11 3:19	TPH
Hexachlorobutadiene	ND	1.0		ND	11	20	8/19/11 3:19	TPH
Hexane	41	40		150	140	20	8/19/11 3:19	TPH
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	8/19/11 3:19	TPH

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-16
Sample ID: 11H0556-07
Sample Matrix: Soil Gas
Sampled: 8/10/2011 14:55

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1058
Canister Size: 6 liter
Flow Controller ID: 3101
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Isopropanol	ND	40		ND	98	20	8/19/11 3:19	TPH
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6	20	8/19/11 3:19	TPH
Methylene Chloride	ND	10		ND	35	20	8/19/11 3:19	TPH
4-Methyl-2-pentanone (MIBK)	ND	1.0		ND	4.1	20	8/19/11 3:19	TPH
Propene	ND	40		ND	69	20	8/19/11 3:19	TPH
Styrene	ND	1.0		ND	4.3	20	8/19/11 3:19	TPH
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	8/19/11 3:19	TPH
Tetrachloroethylene	28	1.0		190	6.8	20	8/19/11 3:19	TPH
Tetrahydrofuran	ND	1.0		ND	2.9	20	8/19/11 3:19	TPH
Toluene	26	1.0		99	3.8	20	8/19/11 3:19	TPH
1,2,4-Trichlorobenzene	ND	1.0		ND	7.4	20	8/19/11 3:19	TPH
1,1,1-Trichloroethane	ND	1.0		ND	5.5	20	8/19/11 3:19	TPH
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	8/19/11 3:19	TPH
Trichloroethylene	ND	1.0		ND	5.4	20	8/19/11 3:19	TPH
Trichlorofluoromethane (Freon 11)	ND	1.0		ND	5.6	20	8/19/11 3:19	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0		ND	7.7	20	8/19/11 3:19	TPH
1,2,4-Trimethylbenzene	3.2	1.0		16	4.9	20	8/19/11 3:19	TPH
1,3,5-Trimethylbenzene	ND	1.0		ND	4.9	20	8/19/11 3:19	TPH
Vinyl Acetate	ND	1.0		ND	3.5	20	8/19/11 3:19	TPH
Vinyl Chloride	ND	1.0		ND	2.6	20	8/19/11 3:19	TPH
m&p-Xylene	8.7	2.0		38	8.7	20	8/19/11 3:19	TPH
o-Xylene	3.2	1.0		14	4.3	20	8/19/11 3:19	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	104	70-130	8/19/11 3:19

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-17
Sample ID: 11H0556-08
Sample Matrix: Soil Gas
Sampled: 8/10/2011 15:15

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1804
Canister Size: 6 liter
Flow Controller ID: 3050
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -7.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	ND	40		ND	95	20	8/19/11 4:06	TPH
Benzene	ND	1.0		ND	3.2	20	8/19/11 4:06	TPH
Benzyl chloride	ND	1.0		ND	5.2	20	8/19/11 4:06	TPH
Bromodichloromethane	ND	1.0		ND	6.7	20	8/19/11 4:06	TPH
Bromoform	ND	1.0		ND	10	20	8/19/11 4:06	TPH
Bromomethane	ND	1.0		ND	3.9	20	8/19/11 4:06	TPH
1,3-Butadiene	ND	1.0		ND	2.2	20	8/19/11 4:06	TPH
2-Butanone (MEK)	ND	40		ND	120	20	8/19/11 4:06	TPH
Carbon Disulfide	ND	10		ND	31	20	8/19/11 4:06	TPH
Carbon Tetrachloride	ND	1.0		ND	6.3	20	8/19/11 4:06	TPH
Chlorobenzene	ND	1.0		ND	4.6	20	8/19/11 4:06	TPH
Chloroethane	ND	1.0		ND	2.6	20	8/19/11 4:06	TPH
Chloroform	4.2	1.0		21	4.9	20	8/19/11 4:06	TPH
Chloromethane	ND	1.0		ND	2.1	20	8/19/11 4:06	TPH
Cyclohexane	ND	1.0		ND	3.4	20	8/19/11 4:06	TPH
Dibromochloromethane	ND	1.0		ND	8.5	20	8/19/11 4:06	TPH
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	8/19/11 4:06	TPH
1,2-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 4:06	TPH
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 4:06	TPH
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 4:06	TPH
Dichlorodifluoromethane (Freon 12)	ND	1.0		ND	4.9	20	8/19/11 4:06	TPH
1,1-Dichloroethane	ND	1.0		ND	4.0	20	8/19/11 4:06	TPH
1,2-Dichloroethane	ND	1.0		ND	4.0	20	8/19/11 4:06	TPH
1,1-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 4:06	TPH
cis-1,2-Dichloroethylene	260	1.0		1000	4.0	20	8/19/11 4:06	TPH
trans-1,2-Dichloroethylene	2.9	1.0		11	4.0	20	8/19/11 4:06	TPH
1,2-Dichloropropane	ND	1.0		ND	4.6	20	8/19/11 4:06	TPH
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/19/11 4:06	TPH
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/19/11 4:06	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	8/19/11 4:06	TPH
Ethanol	ND	40		ND	75	20	8/19/11 4:06	TPH
Ethyl Acetate	ND	1.0		ND	3.6	20	8/19/11 4:06	TPH
Ethylbenzene	ND	1.0		ND	4.3	20	8/19/11 4:06	TPH
4-Ethyltoluene	ND	1.0		ND	4.9	20	8/19/11 4:06	TPH
Heptane	ND	1.0		ND	4.1	20	8/19/11 4:06	TPH
Hexachlorobutadiene	ND	1.0		ND	11	20	8/19/11 4:06	TPH
Hexane	ND	40		ND	140	20	8/19/11 4:06	TPH
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	8/19/11 4:06	TPH

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-17
Sample ID: 11H0556-08
Sample Matrix: Soil Gas
Sampled: 8/10/2011 15:15

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1804
Canister Size: 6 liter
Flow Controller ID: 3050
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -7.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	40		ND	98	20	8/19/11 4:06	TPH
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6	20	8/19/11 4:06	TPH
Methylene Chloride	ND	10		ND	35	20	8/19/11 4:06	TPH
4-Methyl-2-pentanone (MIBK)	ND	1.0		ND	4.1	20	8/19/11 4:06	TPH
Propene	ND	40		ND	69	20	8/19/11 4:06	TPH
Styrene	ND	1.0		ND	4.3	20	8/19/11 4:06	TPH
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	8/19/11 4:06	TPH
Tetrachloroethylene	8300	20		56000	140	400	8/22/11 12:57	TPH
Tetrahydrofuran	ND	1.0		ND	2.9	20	8/19/11 4:06	TPH
Toluene	ND	1.0		ND	3.8	20	8/19/11 4:06	TPH
1,2,4-Trichlorobenzene	ND	1.0		ND	7.4	20	8/19/11 4:06	TPH
1,1,1-Trichloroethane	ND	1.0		ND	5.5	20	8/19/11 4:06	TPH
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	8/19/11 4:06	TPH
Trichloroethylene	180	1.0		950	5.4	20	8/19/11 4:06	TPH
Trichlorofluoromethane (Freon 11)	ND	1.0		ND	5.6	20	8/19/11 4:06	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0		ND	7.7	20	8/19/11 4:06	TPH
1,2,4-Trimethylbenzene	ND	1.0		ND	4.9	20	8/19/11 4:06	TPH
1,3,5-Trimethylbenzene	ND	1.0		ND	4.9	20	8/19/11 4:06	TPH
Vinyl Acetate	ND	1.0		ND	3.5	20	8/19/11 4:06	TPH
Vinyl Chloride	ND	1.0		ND	2.6	20	8/19/11 4:06	TPH
m&p-Xylene	ND	2.0		ND	8.7	20	8/19/11 4:06	TPH
o-Xylene	ND	1.0		ND	4.3	20	8/19/11 4:06	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	102	70-130	8/22/11 12:57
4-Bromofluorobenzene (1)	105	70-130	8/19/11 4:06

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-18
Sample ID: 11H0556-09
Sample Matrix: Soil Gas
Sampled: 8/10/2011 15:25

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1504
Canister Size: 6 liter
Flow Controller ID: 3367
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -9.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	ND	400		ND	950	200	8/22/11 14:17	TPH
Benzene	24	10		77	32	200	8/22/11 14:17	TPH
Benzyl chloride	ND	10		ND	52	200	8/22/11 14:17	TPH
Bromodichloromethane	ND	10		ND	67	200	8/22/11 14:17	TPH
Bromoform	ND	10		ND	100	200	8/22/11 14:17	TPH
Bromomethane	ND	10		ND	39	200	8/22/11 14:17	TPH
1,3-Butadiene	ND	10		ND	22	200	8/22/11 14:17	TPH
2-Butanone (MEK)	ND	400		ND	1200	200	8/22/11 14:17	TPH
Carbon Disulfide	ND	100		ND	310	200	8/22/11 14:17	TPH
Carbon Tetrachloride	ND	10		ND	63	200	8/22/11 14:17	TPH
Chlorobenzene	ND	10		ND	46	200	8/22/11 14:17	TPH
Chloroethane	ND	10		ND	26	200	8/22/11 14:17	TPH
Chloroform	12	10		59	49	200	8/22/11 14:17	TPH
Chloromethane	ND	10		ND	21	200	8/22/11 14:17	TPH
Cyclohexane	810	10		2800	34	200	8/22/11 14:17	TPH
Dibromochloromethane	ND	10		ND	85	200	8/22/11 14:17	TPH
1,2-Dibromoethane (EDB)	ND	10		ND	77	200	8/22/11 14:17	TPH
1,2-Dichlorobenzene	ND	10		ND	60	200	8/22/11 14:17	TPH
1,3-Dichlorobenzene	ND	10		ND	60	200	8/22/11 14:17	TPH
1,4-Dichlorobenzene	ND	10		ND	60	200	8/22/11 14:17	TPH
Dichlorodifluoromethane (Freon 12)	ND	10		ND	49	200	8/22/11 14:17	TPH
1,1-Dichloroethane	10	10		40	40	200	8/22/11 14:17	TPH
1,2-Dichloroethane	39	10		160	40	200	8/22/11 14:17	TPH
1,1-Dichloroethylene	ND	10		ND	40	200	8/22/11 14:17	TPH
cis-1,2-Dichloroethylene	180	10		730	40	200	8/22/11 14:17	TPH
trans-1,2-Dichloroethylene	ND	10		ND	40	200	8/22/11 14:17	TPH
1,2-Dichloropropane	ND	10		ND	46	200	8/22/11 14:17	TPH
cis-1,3-Dichloropropene	ND	10		ND	45	200	8/22/11 14:17	TPH
trans-1,3-Dichloropropene	ND	10		ND	45	200	8/22/11 14:17	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	10		ND	70	200	8/22/11 14:17	TPH
Ethanol	ND	400		ND	750	200	8/22/11 14:17	TPH
Ethyl Acetate	ND	10		ND	36	200	8/22/11 14:17	TPH
Ethylbenzene	~~ND~~ 130	~~10~~ 30	U NJ NP	~~580~~	~~42~~ 580	200	8/22/11 14:17	TPH
4-Ethyltoluene	23	10		110	49	200	8/22/11 14:17	TPH
Heptane	65	10		270	41	200	8/22/11 14:17	TPH
Hexachlorobutadiene	ND	10		ND	110	200	8/22/11 14:17	TPH
Hexane	ND	400		ND	1400	200	8/22/11 14:17	TPH
2-Hexanone (MBK)	ND	10		ND	41	200	8/22/11 14:17	TPH

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-18
Sample ID: 11H0556-09
Sample Matrix: Soil Gas
Sampled: 8/10/2011 15:25

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1504
Canister Size: 6 liter
Flow Controller ID: 3367
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -9.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL		Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	400		ND	980		200	8/22/11 14:17	TPH
Methyl tert-Butyl Ether (MTBE)	ND	10		ND	36		200	8/22/11 14:17	TPH
Methylene Chloride	110	100		380	350		200	8/22/11 14:17	TPH
4-Methyl-2-pentanone (MIBK)	ND	10		ND	41		200	8/22/11 14:17	TPH
Propene	ND	400		ND	690		200	8/22/11 14:17	TPH
Styrene	ND ~~180~~	~~10~~ 180	U	ND ~~750~~	~~43~~ 750	U	200	8/22/11 14:17	TPH
1,1,2,2-Tetrachloroethane	ND	10		ND	69		200	8/22/11 14:17	TPH
Tetrachloroethylene	240	10	NJ	1600	68	NJ	200	8/22/11 14:17	TPH
Tetrahydrofuran	ND	10		ND	29		200	8/22/11 14:17	TPH
Toluene	160	10	NJ	620	38	NJ	200	8/22/11 14:17	TPH
1,2,4-Trichlorobenzene	ND	10		ND	74		200	8/22/11 14:17	TPH
1,1,1-Trichloroethane	42	10		230	55		200	8/22/11 14:17	TPH
1,1,2-Trichloroethane	ND	10		ND	55		200	8/22/11 14:17	TPH
Trichloroethylene	220	10		1200	54		200	8/22/11 14:17	TPH
Trichlorofluoromethane (Freon 11)	ND	10		ND	56		200	8/22/11 14:17	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10		ND	77		200	8/22/11 14:17	TPH
1,2,4-Trimethylbenzene	75	10		370	49		200	8/22/11 14:17	TPH
1,3,5-Trimethylbenzene	23	10	NJ	120	49	NJ	200	8/22/11 14:17	TPH
Vinyl Acetate	ND	10		ND	35		200	8/22/11 14:17	TPH
Vinyl Chloride	54	10		140	26		200	8/22/11 14:17	TPH
m&p-Xylene	ND ~~150~~	~~20~~ 150	U	ND ~~660~~	~~87~~ 660	U	200	8/22/11 14:17	TPH
o-Xylene	ND ~~21~~	~~10~~ 31	U	ND ~~140~~	~~43~~ 140	U	200	8/22/11 14:17	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	105	70-130	8/22/11 14:17

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-19
Sample ID: 11H0556-10
Sample Matrix: Soil Gas
Sampled: 8/10/2011 16:50

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1862
Canister Size: 6 liter
Flow Controller ID: 3202
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -2.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	760	40		1800	95	20	8/22/11 10:22	TPH
Benzene	16	1.0		50	3.2	20	8/22/11 10:22	TPH
Benzyl chloride	ND	1.0		ND	5.2	20	8/22/11 10:22	TPH
Bromodichloromethane	ND ~~1.7~~	~~1.0~~ 6.7 U		ND ~~11~~	~~6.7~~ 11 U	20	8/22/11 10:22	TPH
Bromoform	ND	1.0		ND	10	20	8/22/11 10:22	TPH
Bromomethane	ND	1.0		ND	3.9	20	8/22/11 10:22	TPH
1,3-Butadiene	ND	1.0		ND	2.2	20	8/22/11 10:22	TPH
2-Butanone (MEK)	ND	40		ND	120	20	8/22/11 10:22	TPH
Carbon Disulfide	ND	10		ND	31	20	8/22/11 10:22	TPH
Carbon Tetrachloride	ND	1.0		ND	6.3	20	8/22/11 10:22	TPH
Chlorobenzene	ND	1.0		ND	4.6	20	8/22/11 10:22	TPH
Chloroethane	ND	1.0		ND	2.6	20	8/22/11 10:22	TPH
Chloroform	6.3	1.0		31	4.9	20	8/22/11 10:22	TPH
Chloromethane	ND	1.0		ND	2.1	20	8/22/11 10:22	TPH
Cyclohexane	ND	1.0		ND	3.4	20	8/22/11 10:22	TPH
Dibromochloromethane	ND	1.0		ND	8.5	20	8/22/11 10:22	TPH
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	8/22/11 10:22	TPH
1,2-Dichlorobenzene	ND	1.0		ND	6.0	20	8/22/11 10:22	TPH
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	8/22/11 10:22	TPH
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	8/22/11 10:22	TPH
Dichlorodifluoromethane (Freon 12)	34	1.0		170	4.9	20	8/22/11 10:22	TPH
1,1-Dichloroethane	ND	1.0		ND	4.0	20	8/22/11 10:22	TPH
1,2-Dichloroethane	ND	1.0		ND	4.0	20	8/22/11 10:22	TPH
1,1-Dichloroethylene	ND	1.0		ND	4.0	20	8/22/11 10:22	TPH
cis-1,2-Dichloroethylene	33	1.0		130	4.0	20	8/22/11 10:22	TPH
trans-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/22/11 10:22	TPH
1,2-Dichloropropane	ND	1.0		ND	4.6	20	8/22/11 10:22	TPH
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/22/11 10:22	TPH
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/22/11 10:22	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	8/22/11 10:22	TPH
Ethanol	ND	40		ND	75	20	8/22/11 10:22	TPH
Ethyl Acetate	ND	1.0		ND	3.6	20	8/22/11 10:22	TPH
Ethylbenzene	5.2	1.0		23	4.3	20	8/22/11 10:22	TPH
4-Ethyltoluene	ND ~~2.1~~	~~1.0~~ 2.1 U		ND ~~10~~	~~4.9~~ 10 U	20	8/22/11 10:22	TPH
Heptane	2.4	1.0		9.8	4.1	20	8/22/11 10:22	TPH
Hexachlorobutadiene	ND	1.0		ND	11	20	8/22/11 10:22	TPH
Hexane	ND	40		ND	140	20	8/22/11 10:22	TPH
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	8/22/11 10:22	TPH

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-19
Sample ID: 11H0556-10
Sample Matrix: Soil Gas
Sampled: 8/10/2011 16:50

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1862
Canister Size: 6 liter
Flow Controller ID: 3202
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -2.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	40		ND	98	20	8/22/11 10:22	TPH
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6	20	8/22/11 10:22	TPH
Methylene Chloride	ND	10		ND	35	20	8/22/11 10:22	TPH
4-Methyl-2-pentanone (MIBK)	ND	1.0		ND	4.1	20	8/22/11 10:22	TPH
Propene	ND	40		ND	69	20	8/22/11 10:22	TPH
Styrene	ND	1.0		ND	4.3	20	8/22/11 10:22	TPH
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	8/22/11 10:22	TPH
Tetrachloroethylene	2900	20		20000	140	400	8/22/11 13:36	TPH
Tetrahydrofuran	ND	1.0		ND	2.9	20	8/22/11 10:22	TPH
Toluene	39	1.0		150	3.8	20	8/22/11 10:22	TPH
1,2,4-Trichlorobenzene	ND	1.0		ND	7.4	20	8/22/11 10:22	TPH
1,1,1-Trichloroethane	ND	1.0		ND	5.5	20	8/22/11 10:22	TPH
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	8/22/11 10:22	TPH
Trichloroethylene	130	1.0		690	5.4	20	8/22/11 10:22	TPH
Trichlorofluoromethane (Freon 11)	2.7	1.0		15	5.6	20	8/22/11 10:22	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0		ND	7.7	20	8/22/11 10:22	TPH
1,2,4-Trimethylbenzene	3.6	1.0		18	4.9	20	8/22/11 10:22	TPH
1,3,5-Trimethylbenzene	ND	1.0		ND	4.9	20	8/22/11 10:22	TPH
Vinyl Acetate	ND	1.0		ND	3.5	20	8/22/11 10:22	TPH
Vinyl Chloride	ND	1.0		ND	2.6	20	8/22/11 10:22	TPH
m&p-Xylene	15	2.0		66	8.7	20	8/22/11 10:22	TPH
o-Xylene	8.6	1.0		37	4.3	20	8/22/11 10:22	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	8/22/11 13:36
4-Bromofluorobenzene (1)	101	70-130	8/22/11 10:22

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-20
Sample ID: 11H0556-11
Sample Matrix: Soil Gas
Sampled: 8/10/2011 17:50

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1823
Canister Size: 6 liter
Flow Controller ID: 3042
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	69	40		160	95	20	8/22/11 11:00	TPH
Benzene	1.8	1.0		5.6	3.2	20	8/22/11 11:00	TPH
Benzyl chloride	ND	1.0		ND	5.2	20	8/22/11 11:00	TPH
Bromodichloromethane	ND	1.0		ND	6.7	20	8/22/11 11:00	TPH
Bromoform	ND	1.0		ND	10	20	8/22/11 11:00	TPH
Bromomethane	ND	1.0		ND	3.9	20	8/22/11 11:00	TPH
1,3-Butadiene	ND	1.0		ND	2.2	20	8/22/11 11:00	TPH
2-Butanone (MEK)	ND	40		ND	120	20	8/22/11 11:00	TPH
Carbon Disulfide	ND	10		ND	31	20	8/22/11 11:00	TPH
Carbon Tetrachloride	ND	1.0		ND	6.3	20	8/22/11 11:00	TPH
Chlorobenzene	ND	1.0		ND	4.6	20	8/22/11 11:00	TPH
Chloroethane	ND	1.0		ND	2.6	20	8/22/11 11:00	TPH
Chloroform	ND	1.0		ND	4.9	20	8/22/11 11:00	TPH
Chloromethane	ND	1.0		ND	2.1	20	8/22/11 11:00	TPH
Cyclohexane	ND	1.0		ND	3.4	20	8/22/11 11:00	TPH
Dibromochloromethane	ND	1.0		ND	8.5	20	8/22/11 11:00	TPH
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	8/22/11 11:00	TPH
1,2-Dichlorobenzene	ND	1.0		ND	6.0	20	8/22/11 11:00	TPH
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	8/22/11 11:00	TPH
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	8/22/11 11:00	TPH
Dichlorodifluoromethane (Freon 12)	2.6	1.0		13	4.9	20	8/22/11 11:00	TPH
1,1-Dichloroethane	ND	1.0		ND	4.0	20	8/22/11 11:00	TPH
1,2-Dichloroethane	ND	1.0		ND	4.0	20	8/22/11 11:00	TPH
1,1-Dichloroethylene	ND	1.0		ND	4.0	20	8/22/11 11:00	TPH
cis-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/22/11 11:00	TPH
trans-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/22/11 11:00	TPH
1,2-Dichloropropane	ND	1.0		ND	4.6	20	8/22/11 11:00	TPH
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/22/11 11:00	TPH
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/22/11 11:00	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	8/22/11 11:00	TPH
Ethanol	ND	40		ND	75	20	8/22/11 11:00	TPH
Ethyl Acetate	ND	1.0		ND	3.6	20	8/22/11 11:00	TPH
Ethylbenzene	4.4	1.0		19	4.3	20	8/22/11 11:00	TPH
4-Ethyltoluene	1.7	1.0		8.6	4.9	20	8/22/11 11:00	TPH
Heptane	1.5	1.0		6.1	4.1	20	8/22/11 11:00	TPH
Hexachlorobutadiene	ND	1.0		ND	11	20	8/22/11 11:00	TPH
Hexane	ND	40		ND	140	20	8/22/11 11:00	TPH
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	8/22/11 11:00	TPH

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-20
Sample ID: 11H0556-11
Sample Matrix: Soil Gas
Sampled: 8/10/2011 17:50

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1823
Canister Size: 6 liter
Flow Controller ID: 3042
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL		Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	40		ND	98		20	8/22/11 11:00	TPH
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6		20	8/22/11 11:00	TPH
Methylene Chloride	ND	10		ND	35		20	8/22/11 11:00	TPH
4-Methyl-2-pentanone (MIBK)	ND	1.0		ND	4.1		20	8/22/11 11:00	TPH
Propene	ND	40		ND	69		20	8/22/11 11:00	TPH
Styrene	1.5	1.0		6.4	4.3		20	8/22/11 11:00	TPH
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9		20	8/22/11 11:00	TPH
Tetrachloroethylene	13	1.0		85	6.8		20	8/22/11 11:00	TPH
Tetrahydrofuran	ND	1.0		ND	2.9		20	8/22/11 11:00	TPH
Toluene	10	1.0		39	3.8		20	8/22/11 11:00	TPH
1,2,4-Trichlorobenzene	ND	1.0		ND	7.4		20	8/22/11 11:00	TPH
1,1,1-Trichloroethane	53	1.0		290	5.5		20	8/22/11 11:00	TPH
1,1,2-Trichloroethane	ND	1.0		ND	5.5		20	8/22/11 11:00	TPH
Trichloroethylene	ND	1.0		ND	5.4		20	8/22/11 11:00	TPH
Trichlorofluoromethane (Freon 11)	2.2	1.0		12	5.6		20	8/22/11 11:00	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0		ND	7.7		20	8/22/11 11:00	TPH
1,2,4-Trimethylbenzene	5.8	1.0		28	4.9		20	8/22/11 11:00	TPH
1,3,5-Trimethylbenzene	1.7	1.0	NJ	8.6	4.9	NJ	20	8/22/11 11:00	TPH
Vinyl Acetate	ND	1.0		ND	3.5		20	8/22/11 11:00	TPH
Vinyl Chloride	ND	1.0		ND	2.6		20	8/22/11 11:00	TPH
m&p-Xylene	15	2.0		67	8.7		20	8/22/11 11:00	TPH
o-Xylene	5.0	1.0		22	4.3		20	8/22/11 11:00	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	102	70-130	8/22/11 11:00

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	DUP-081111	SDG No.:	C3374
Lab Sample ID:	C3374-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023522.D	1		08/20/11	VE081911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	80	J	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	3.1	J	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	7.7	J	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	510	E J	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	160	E J	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	DUP-081111	SDG No.:	C3374
Lab Sample ID:	C3374-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023522.D	1		08/20/11	VE081911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	980	E J	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.6		61 - 141	113%	SPK: 50
1868-53-7	Dibromofluoromethane	60.1		69 - 133	120%	SPK: 50
2037-26-5	Toluene-d8	53		65 - 126	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		58 - 135	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	930891	9.36			
540-36-3	1,4-Difluorobenzene	1828490	10.45			
3114-55-4	Chlorobenzene-d5	1624250	14.85			
3855-82-1	1,4-Dichlorobenzene-d4	570338	18.65			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	TRIPBLANK	SDG No.:	C3374
Lab Sample ID:	C3374-02	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023518.D	1		08/19/11	VE081911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.55	1	ug/L
74-87-3	Chloromethane	1	U	0.54	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.62	1	ug/L
75-00-3	Chloroethane	1	U	0.66	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	2.8	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.54	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.83	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.55	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.62	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.68	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	TRIPBLANK	SDG No.:	C3374
Lab Sample ID:	C3374-02	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023518.D	1		08/19/11	VE081911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.52	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.53	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.62	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.6		61 - 141	111%	SPK: 50
1868-53-7	Dibromofluoromethane	59.3		69 - 133	119%	SPK: 50
2037-26-5	Toluene-d8	53		65 - 126	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		58 - 135	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	954358	9.35			
540-36-3	1,4-Difluorobenzene	1880670	10.45			
3114-55-4	Chlorobenzene-d5	1672940	14.85			
3855-82-1	1,4-Dichlorobenzene-d4	595080	18.65			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-9	SDG No.:	C3374
Lab Sample ID:	C3374-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023525.D	1		08/20/11	VE081911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	76	J	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	3.2	J	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	7.7	J	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	470	E J	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	160	E J	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-9	SDG No.:	C3374
Lab Sample ID:	C3374-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023525.D	1		08/20/11	VE081911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	950	E J	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.8		61 - 141	106%	SPK: 50
1868-53-7	Dibromofluoromethane	59.8		69 - 133	120%	SPK: 50
2037-26-5	Toluene-d8	52.5		65 - 126	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	51		58 - 135	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1035040	9.36			
540-36-3	1,4-Difluorobenzene	1927810	10.45			
3114-55-4	Chlorobenzene-d5	1707540	14.86			
3855-82-1	1,4-Dichlorobenzene-d4	617346	18.65			
TENTATIVE IDENTIFIED COMPOUNDS						
135-98-8	sec-Butylbenzene	0.51	NJ		18.22	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-10	SDG No.:	C3374
Lab Sample ID:	C3374-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023538.D	1		08/21/11	VE082111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	150		0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	0.53	J	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	7.6		0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	240 ~~250~~	~~E~~	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1.1		0.2	1	ug/L
71-43-2	Benzene	0.55	J NJ	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-10	SDG No.:	C3374
Lab Sample ID:	C3374-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023538.D	1		08/21/11	VE082111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1.2	NJ	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	18		0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.8		61 - 141	118%	SPK: 50
1868-53-7	Dibromofluoromethane	59.7		69 - 133	119%	SPK: 50
2037-26-5	Toluene-d8	52.5		65 - 126	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		58 - 135	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	769326	9.37			
540-36-3	1,4-Difluorobenzene	1534870	10.46			
3114-55-4	Chlorobenzene-d5	1350400	14.87			
3855-82-1	1,4-Dichlorobenzene-d4	508209	18.66			
TENTATIVE IDENTIFIED COMPOUNDS						
006221-55-2	Bicyclo[3.2.1]octane	11	NJ		16.1	ug/L
103-65-1	n-propylbenzene	47	NJ		17.04	ug/L
98-06-6	tert-Butylbenzene	3.9	NJ		17.86	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-10	SDG No.:	C3374
Lab Sample ID:	C3374-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023538.D	1		08/21/11	VE082111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
95-63-6	1,2,4-Trimethylbenzene	12	J		17.95	ug/L
000538-93-2	Benzene, (2-methylpropyl)-	8.7	J		18.17	ug/L
135-98-8	sec-Butylbenzene	23	J		18.23	ug/L
99-87-6	p-Isopropyltoluene	1.1	J		18.43	ug/L
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl	7.5	J		18.82	ug/L
000141-93-5	Benzene, 1,3-diethyl-	19	J		18.93	ug/L
104-51-8	n-Butylbenzene	14	J		19.13	ug/L
000135-01-3	Benzene, 1,2-diethyl-	9.0	J		19.31	ug/L
000099-87-6	Benzene, 1-methyl-4-(1-methylethyl	34	J		19.73	ug/L
001560-06-1	Benzene, 2-butenyl-	6.7	J		19.9	ug/L
000767-58-8	Indan, 1-methyl-	41	J		20.03	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	21	J		20.42	ug/L
000934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	25	J		21.29	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-7	SDG No.:	C3374
Lab Sample ID:	C3374-05	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023521.D	1		08/19/11	VE081911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	27		0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1.6		0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	2.4		0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	82		0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-7	SDG No.:	C3374
Lab Sample ID:	C3374-05	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023521.D	1		08/19/11	VE081911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.9		61 - 141	112%	SPK: 50
1868-53-7	Dibromofluoromethane	61		69 - 133	122%	SPK: 50
2037-26-5	Toluene-d8	53.6		65 - 126	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		58 - 135	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	930322	9.36			
540-36-3	1,4-Difluorobenzene	1820530	10.46			
3114-55-4	Chlorobenzene-d5	1616660	14.85			
3855-82-1	1,4-Dichlorobenzene-d4	570840	18.65			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-8	SDG No.:	C3374
Lab Sample ID:	C3374-08	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023540.D	1		08/21/11	VE082111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	2.8		0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-8	SDG No.:	C3374
Lab Sample ID:	C3374-08	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023540.D	1		08/21/11	VE082111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.4		61 - 141	115%	SPK: 50
1868-53-7	Dibromofluoromethane	61.7		69 - 133	123%	SPK: 50
2037-26-5	Toluene-d8	51.8		65 - 126	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		58 - 135	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	760587	9.37			
540-36-3	1,4-Difluorobenzene	1500450	10.45			
3114-55-4	Chlorobenzene-d5	1303920	14.87			
3855-82-1	1,4-Dichlorobenzene-d4	447050	18.66			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	DUP-081111	SDG No.:	C3374
Lab Sample ID:	C3374-01	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048045.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10	U	0.79	10	ug/L
108-95-2	Phenol	10	U	0.22	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.57	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.56	10	ug/L
95-48-7	2-Methylphenol	10	U	0.25	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.18	10	ug/L
98-86-2	Acetophenone	10	U	0.14	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.39	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.21	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	10	ug/L
98-95-3	Nitrobenzene	10	U	0.7	10	ug/L
78-59-1	Isophorone	10	U	0.31	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.54	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.73	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.57	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.68	10	ug/L
91-20-3	Naphthalene	10	U	0.12	10	ug/L
106-47-8	4-Chloroaniline	10	U	2.9	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	10	ug/L
105-60-2	Caprolactam	10	U	2.1	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.41	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.25	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.58	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.41	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.15	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.16	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.51	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.23	10	ug/L
208-96-8	Acenaphthylene	10	U	0.72	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	DUP-081111	SDG No.:	C3374
Lab Sample ID:	C3374-01	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048045.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10	U	1.1	10	ug/L
83-32-9	Acenaphthene	10	U	0.22	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.2	10	ug/L
100-02-7	4-Nitrophenol	10	U	2.1	10	ug/L
132-64-9	Dibenzofuran	10	U	0.25	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	10	ug/L
84-66-2	Diethylphthalate	10	U	0.39	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.22	10	ug/L
86-73-7	Fluorene	10	U	0.32	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.76	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.62	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.24	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.19	10	ug/L
1912-24-9	Atrazine	10	U	0.41	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	10	ug/L
120-12-7	Anthracene	10	U	0.16	10	ug/L
86-74-8	Carbazole	10	U	0.23	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2.1	10	ug/L
206-44-0	Fluoranthene	10	U	0.41	10	ug/L
129-00-0	Pyrene	10	U	0.21	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.2	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2.1	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	10	ug/L
218-01-9	Chrysene	10	U	0.19	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.16	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.53	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.19	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.15	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.43	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	DUP-081111	SDG No.:	C3374
Lab Sample ID:	C3374-01	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048045.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	45.3		10 - 130	30%	SPK: 150
13127-88-3	Phenol-d5	30.2		10 - 130	20%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.8		36 - 131	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.2		39 - 131	87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		25 - 155	88%	SPK: 150
1718-51-0	Terphenyl-d14	72		23 - 130	72%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	74697	3.9			
1146-65-2	Naphthalene-d8	285183	5.39			
15067-26-2	Acenaphthene-d10	147874	7.94			
1517-22-2	Phenanthrene-d10	227018	10.01			
1719-03-5	Chrysene-d12	205752	13.29			
1520-96-3	Perylene-d12	194403	14.89			
TENTATIVE IDENTIFIED COMPOUNDS						
79-01-6	~~Trichloroethylene~~	~~22~~	~~J~~ R		1.21	ug/L
127-18-4	~~Tetrachloroethylene~~	~~220~~	~~J~~ R		2.06	ug/L
123-42-2	~~2-Pentanone, 4-hydroxy-4-methyl-~~	~~7.4~~	~~AB~~ R		2.35	ug/L
65-85-0	Benzoic acid	13	N J		5.19	ug/L
57-10-3	n-Hexadecanoic acid	16	N J		10.92	ug/L
57-11-4	Octadecanoic acid	42	N J		11.91	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-9	SDG No.:	C3374
Lab Sample ID:	C3374-03	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048046.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10	U	0.79	10	ug/L
108-95-2	Phenol	10	U	0.21	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.56	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.55	10	ug/L
95-48-7	2-Methylphenol	10	U	0.24	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.17	10	ug/L
98-86-2	Acetophenone	10	U	0.14	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.39	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.2	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	10	ug/L
98-95-3	Nitrobenzene	10	U	0.69	10	ug/L
78-59-1	Isophorone	10	U	0.31	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.53	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.72	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.56	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.67	10	ug/L
91-20-3	Naphthalene	10	U	0.12	10	ug/L
106-47-8	4-Chloroaniline	10	U	2.9	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	10	ug/L
105-60-2	Caprolactam	10	U	2	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.41	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.24	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.57	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.41	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.15	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.16	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.5	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.22	10	ug/L
208-96-8	Acenaphthylene	10	U	0.71	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-9	SDG No.:	C3374
Lab Sample ID:	C3374-03	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048046.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10	U	1.1	10	ug/L
83-32-9	Acenaphthene	10	U	0.21	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.1	10	ug/L
100-02-7	4-Nitrophenol	10	U	2	10	ug/L
132-64-9	Dibenzofuran	10	U	0.24	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	10	ug/L
84-66-2	Diethylphthalate	10	U	0.39	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.21	10	ug/L
86-73-7	Fluorene	10	U	0.32	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.76	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.61	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.23	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.18	10	ug/L
1912-24-9	Atrazine	10	U	0.41	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	10	ug/L
120-12-7	Anthracene	10	U	0.16	10	ug/L
86-74-8	Carbazole	10	U	0.22	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2	10	ug/L
206-44-0	Fluoranthene	10	U	0.41	10	ug/L
129-00-0	Pyrene	10	U	0.2	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.19	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	10	ug/L
218-01-9	Chrysene	10	U	0.18	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.16	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.52	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.18	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.15	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.43	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-9	SDG No.:	C3374
Lab Sample ID:	C3374-03	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048046.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	48		10 - 130	32%	SPK: 150
13127-88-3	Phenol-d5	31.6		10 - 130	21%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.6		36 - 131	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.8		39 - 131	91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		25 - 155	91%	SPK: 150
1718-51-0	Terphenyl-d14	73.3		23 - 130	73%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	73156	3.9			
1146-65-2	Naphthalene-d8	281195	5.39			
15067-26-2	Acenaphthene-d10	142241	7.94			
1517-22-2	Phenanthrene-d10	219833	10.01			
1719-03-5	Chrysene-d12	207974	13.29			
1520-96-3	Perylene-d12	194460	14.89			
TENTATIVE IDENTIFIED COMPOUNDS						
79-01-6	~~Trichloroethylene~~	~~22~~	~~J~~ R		1.21	ug/L
127-18-4	~~Tetrachloroethylene~~	~~230~~	~~J~~ R		2.06	ug/L
123-42-2	~~2-Pentanone, 4-hydroxy-4-methyl-~~	~~7.6~~	~~AB~~ R		2.35	ug/L
65-85-0	Benzoic acid	4.6	N J		5.17	ug/L
57-10-3	n-Hexadecanoic acid	12	N J		10.92	ug/L
57-11-4	Octadecanoic acid	52	N J		11.91	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-10	SDG No.:	C3374
Lab Sample ID:	C3374-04	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048047.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier		MDL	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	10	U		0.78	10	ug/L
108-95-2	~~Phenol~~	~~10~~	~~U~~	R	0.21	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U		0.56	10	ug/L
95-57-8	~~2-Chlorophenol~~	~~10~~	~~U~~	R	0.55	10	ug/L
95-48-7	~~2-Methylphenol~~	~~10~~	~~U~~	R	0.24	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U		0.17	10	ug/L
98-86-2	Acetophenone	10	U		0.14	10	ug/L
65794-96-9	~~3+4-Methylphenols~~	~~10~~	~~U~~	R	0.38	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U		0.2	10	ug/L
67-72-1	Hexachloroethane	10	U		0.25	10	ug/L
98-95-3	Nitrobenzene	10	U		0.69	10	ug/L
78-59-1	Isophorone	10	U		0.3	10	ug/L
88-75-5	~~2-Nitrophenol~~	~~10~~	~~U~~	R	0.53	10	ug/L
105-67-9	~~2,4-Dimethylphenol~~	~~10~~	~~U~~	R	0.72	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U		0.56	10	ug/L
120-83-2	~~2,4-Dichlorophenol~~	~~10~~	~~U~~	R	0.67	10	ug/L
91-20-3	Naphthalene	10	U		0.12	10	ug/L
106-47-8	4-Chloroaniline	10	U		2.9	10	ug/L
87-68-3	Hexachlorobutadiene	10	U		0.25	10	ug/L
105-60-2	Caprolactam	10	U		2	10	ug/L
59-50-7	~~4-Chloro-3-methylphenol~~	~~10~~	~~U~~	R	0.4	10	ug/L
91-57-6	2-Methylnaphthalene	10	U		0.32	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U		0.24	10	ug/L
88-06-2	~~2,4,6-Trichlorophenol~~	~~10~~	~~U~~	R	0.57	10	ug/L
95-95-4	~~2,4,5-Trichlorophenol~~	~~10~~	~~U~~	R	0.4	10	ug/L
92-52-4	1,1-Biphenyl	10	U		0.15	10	ug/L
91-58-7	2-Chloronaphthalene	10	U		0.16	10	ug/L
88-74-4	2-Nitroaniline	10	U		0.49	10	ug/L
131-11-3	Dimethylphthalate	10	U		0.22	10	ug/L
208-96-8	Acenaphthylene	10	U		0.71	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	P/-10	SDG No.:	C3374
Lab Sample ID:	C3374-04	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048047.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10	U	1.1	10	ug/L
83-32-9	Acenaphthene	10	U	0.21	10	ug/L
51-28-5	~~2,4-Dinitrophenol~~	~~10~~	~~U~~ R	2.1	10	ug/L
100-02-7	~~4-Nitrophenol~~	~~10~~	~~U~~ R	2	10	ug/L
132-64-9	Dibenzofuran	10	U	0.24	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1	10	ug/L
84-66-2	Diethylphthalate	10	U	0.38	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.21	10	ug/L
86-73-7	Fluorene	10	U	0.31	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	10	ug/L
534-52-1	~~4,6-Dinitro-2-methylphenol~~	~~10~~	~~U~~ R	0.75	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.61	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.23	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.18	10	ug/L
1912-24-9	Atrazine	10	U	0.4	10	ug/L
87-86-5	~~Pentachlorophenol~~	~~10~~	~~U~~ R	1.7	10	ug/L
85-01-8	Phenanthrene	10	U	0.26	10	ug/L
120-12-7	Anthracene	10	U	0.16	10	ug/L
86-74-8	Carbazole	10	U	0.22	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2	10	ug/L
206-44-0	Fluoranthene	10	U	0.4	10	ug/L
129-00-0	Pyrene	10	U	0.2	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.19	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	10	ug/L
218-01-9	Chrysene	10	U	0.18	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	4.1	J	0.16	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.52	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.29	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.18	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-10	SDG No.:	C3374
Lab Sample ID:	C3374-04	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048047.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.29	10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	22.2		10 - 130	15%	SPK: 150
13127-88-3	Phenol-d5	14.2	*	10 - 130	9%	SPK: 150
4165-60-0	Nitrobenzene-d5	49.1		36 - 131	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	54		39 - 131	54%	SPK: 100
118-79-6	2,4,6-Tribromophenol	69.8		25 - 155	47%	SPK: 150
1718-51-0	Terphenyl-d14	44.7		23 - 130	45%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	74681	3.9			
1146-65-2	Naphthalene-d8	296013	5.39			
15067-26-2	Acenaphthene-d10	155399	7.94			
1517-22-2	Phenanthrene-d10	233419	10.01			
1719-03-5	Chrysene-d12	224458	13.29			
1520-96-3	Perylene-d12	209366	14.89			
TENTATIVE IDENTIFIED COMPOUNDS						
123-42-2	~~2-Pentanone, 4-hydroxy-4-methyl-~~	~~4.1~~	~~AB~~ R		2.36	ug/L
6236-88-0	Cyclohexane, 1-ethyl-4-methyl-, tr	5.6	J		2.98	ug/L
4442-79-9	Cyclohexaneethanol	7.5	J		3.09	ug/L
98-82-8	Benzene, (1-methylethyl)-	9.8	J		3.11	ug/L
1678-92-8	Cyclohexane, propyl-	12	J		3.19	ug/L
14676-29-0	Heptane, 3-ethyl-2-methyl-	4.8	J		3.25	ug/L
103-65-1	Benzene, propyl-	24	J		3.37	ug/L
6783-92-2	Cyclohexane, 1,1,2,3-tetramethyl-	7.1	J		3.43	ug/L
108-67-8	Benzene, 1,3,5-trimethyl-	7.5	J		3.73	ug/L
538-93-2	Benzene, (2-methylpropyl)-	8.4	J		3.85	ug/L
2847-72-5	Decane, 4-methyl-	4.7	J		3.96	ug/L
	unknown4.01	4.7	J		4.01	ug/L
141-93-5	Benzene, 1,3-diethyl-	14	J		4.19	ug/L
62690-65-7	Naphthalene, 1,2,3,5,8,8a-hexahydr	9.0	J		4.26	ug/L
135-01-3	Benzene, 1,2-diethyl-	5.1	J		4.28	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-10	SDG No.:	C3374
Lab Sample ID:	C3374-04	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048047.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
488-23-3	Benzene, 1,2,3,4-tetramethyl-	14	NJ		4.79	ug/L
824-90-8	1-Phenyl-1-butene	4.6	J		5	ug/L
527-53-7	Benzene, 1,2,3,5-tetramethyl-	14	J		5.09	ug/L
10544-50-0	Cyclic octaatomic sulfur	24	J		11.53	ug/L

U = Not Detected
LOQ – Limit of Quantitation
MDL – Method Detection Limit

J = Estimated Value
B – Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-7	SDG No.:	C3374
Lab Sample ID:	C3374-05	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048051.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10	U	0.8	10	ug/L
108-95-2	Phenol	10	U	0.22	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.57	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.56	10	ug/L
95-48-7	2-Methylphenol	10	U	0.25	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.18	10	ug/L
98-86-2	Acetophenone	10	U	0.15	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.4	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.21	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	10	ug/L
98-95-3	Nitrobenzene	10	U	0.71	10	ug/L
78-59-1	Isophorone	10	U	0.31	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.54	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.74	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.57	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.69	10	ug/L
91-20-3	Naphthalene	10	U	0.12	10	ug/L
106-47-8	4-Chloroaniline	10	U	3	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	10	ug/L
105-60-2	Caprolactam	10	U	2.1	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.42	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.25	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.58	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.42	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.16	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.17	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.51	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.23	10	ug/L
208-96-8	Acenaphthylene	10	U	0.73	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-7	SDG No.:	C3374
Lab Sample ID:	C3374-05	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048051.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10	U	1.1	10	ug/L
83-32-9	Acenaphthene	10	U	0.22	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.2	10	ug/L
100-02-7	4-Nitrophenol	10	U	2.1	10	ug/L
132-64-9	Dibenzofuran	10	U	0.25	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	10	ug/L
84-66-2	Diethylphthalate	10	U	0.4	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.22	10	ug/L
86-73-7	Fluorene	10	U	0.32	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.77	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.62	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.24	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.19	10	ug/L
1912-24-9	Atrazine	10	U	0.42	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	10	ug/L
120-12-7	Anthracene	10	U	0.17	10	ug/L
86-74-8	Carbazole	10	U	0.23	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2.1	10	ug/L
206-44-0	Fluoranthene	10	U	0.42	10	ug/L
129-00-0	Pyrene	10	U	0.21	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.2	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2.1	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.17	10	ug/L
218-01-9	Chrysene	10	U	0.19	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.17	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.53	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.19	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.15	10	ug/L
193-39-5	Indeno(1,2,3-cd)...	10	U	0.16	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-7	SDG No.:	C3374
Lab Sample ID:	C3374-05	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048051.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	42.3		10 - 130	28%	SPK: 150
13127-88-3	Phenol-d5	27.6		10 - 130	18%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.8		36 - 131	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.3		39 - 131	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		25 - 155	88%	SPK: 150
1718-51-0	Terphenyl-d14	71.1		23 - 130	71%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	75633	3.9			
1146-65-2	Naphthalene-d8	292553	5.39			
15067-26-2	Acenaphthene-d10	147648	7.94			
1517-22-2	Phenanthrene-d10	224298	10.01			
1719-03-5	Chrysene-d12	209483	13.29			
1520-96-3	Perylene-d12	193242	14.89			
TENTATIVE IDENTIFIED COMPOUNDS						
123-42-2	~~2-Pentanone, 4-hydroxy-4-methyl-~~	~~6.9~~	~~AB~~ R		2.35	ug/L
615-22-5	Benzothiazole, 2-(methylthio)-	2.1	J		8.87	ug/L
57-10-3	n-Hexadecanoic acid	2.9	J		10.92	ug/L
57-11-4	Octadecanoic acid	9.8	J		11.9	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-8	SDG No.:	C3374
Lab Sample ID:	C3374-08	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048054.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10	U	0.79	10	ug/L
108-95-2	Phenol	10	U	0.22	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.57	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.56	10	ug/L
95-48-7	2-Methylphenol	10	U	0.25	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.18	10	ug/L
98-86-2	Acetophenone	10	U	0.14	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.39	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.21	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	10	ug/L
98-95-3	Nitrobenzene	10	U	0.7	10	ug/L
78-59-1	Isophorone	10	U	0.31	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.54	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.73	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.57	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.68	10	ug/L
91-20-3	Naphthalene	10	U	0.12	10	ug/L
106-47-8	4-Chloroaniline	10	U	2.9	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	10	ug/L
105-60-2	Caprolactam	10	U	2.1	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.41	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.25	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.58	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.41	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.15	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.16	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.51	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.23	10	ug/L
208-96-8	Acenaphthylene	10	U	0.72	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-8	SDG No.:	C3374
Lab Sample ID:	C3374-08	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048054.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10	U	1.1	10	ug/L
83-32-9	Acenaphthene	10	U	0.22	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.2	10	ug/L
100-02-7	4-Nitrophenol	10	U	2.1	10	ug/L
132-64-9	Dibenzofuran	10	U	0.25	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	10	ug/L
84-66-2	Diethylphthalate	10	U	0.39	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.22	10	ug/L
86-73-7	Fluorene	10	U	0.32	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.76	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.62	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.24	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.19	10	ug/L
1912-24-9	Atrazine	10	U	0.41	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	10	ug/L
120-12-7	Anthracene	10	U	0.16	10	ug/L
86-74-8	Carbazole	10	U	0.23	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2.1	10	ug/L
206-44-0	Fluoranthene	10	U	0.41	10	ug/L
129-00-0	Pyrene	10	U	0.21	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.2	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2.1	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	10	ug/L
218-01-9	Chrysene	10	U	0.19	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.16	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.53	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.19	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	10	ug/L
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-8	SDG No.:	C3374
Lab Sample ID:	C3374-08	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048054.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	44.6		10 - 130	30%	SPK: 150
13127-88-3	Phenol-d5	28.5		10 - 130	19%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.1		36 - 131	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	87		39 - 131	87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	130		25 - 155	87%	SPK: 150
1718-51-0	Terphenyl-d14	79.4		23 - 130	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	72786	3.9			
1146-65-2	Naphthalene-d8	280340	5.39			
15067-26-2	Acenaphthene-d10	143896	7.94			
1517-22-2	Phenanthrene-d10	214708	10.01			
1719-03-5	Chrysene-d12	209780	13.29			
1520-96-3	Perylene-d12	193450	14.89			
TENTATIVE IDENTIFIED COMPOUNDS						
123-42-2	~~2-Pentanone, 4-hydroxy-4-methyl-~~	~~7.0~~	~~AB~~ R		2.35	ug/L
615-22-5	Benzothiazole, 2-(methylthio)-	2.3	N J		8.87	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
Facsimile 518-251-4428

June 26, 2012

Stefan Bagnato
Malcolm Pirnie, Inc.
855 Rt 146 Suite 204
Clifton Park, NY 12065

RE: Validation of the Former Majestic Cleaners Analytical Data Packages
Chemtech SDG Nos. D2950

Dear Mr. Bagnato:

Review has been completed for the data package generated by Chemtech that pertains to samples collected between 05/31/12 and 06/04/12 at the Former Majestic Cleaners site. Six aqueous samples and an aqueous field duplicate were analyzed for TCL volatile analytes by method EPA 8260B and TCL semivolatile analytes by EPA 8270C. Data associated with the soil samples were not reviewed and are not discussed in this report.

The data packages submitted by the laboratory contain full deliverables for validation, but this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. Full validation has not been performed. However, the reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA national and regional validation documents, and in consideration for the specific requirements of the analytical methodology. The following items were reviewed:

The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Method and Trip Blanks
* Matrix Spike Recoveries/Duplicate Correlations
* Field Duplicate Correlations
* Laboratory Control Sample (LCS)
* Instrumental Tunes
* Initial and Continuing Calibration and Standards
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable.

In summary, most results for target analyte are usable either as reported or with minor qualification as estimated in value. However, the results for the one volatile analyte are rejected in all samples due to poor performance inherent with the analytical methodology, and the result of one semivolatile analyte is rejected in one sample due to very poor recoveries in the matrix spikes.

Copies of the client sample identifications and the laboratory case narrative are attached to this text, and should be reviewed in conjunction with this report.

Also attached are client results tables, with recommended qualifiers applied in red ink.

Chain-of-Custody

Relinquish entries and analytical requirement entries were omitted from the second of the two custody forms pertaining to samples received at the laboratory on 06/02/12.

Blind Field Duplicate

The blind field duplicate evaluation of PZ-11 shows acceptable correlations.

Volatile Analyses by EPA8260B

The result for vinyl chloride in PZ-13 is edited to reflect non-detection due to very poor mass spectral quality.

Holding time requirements were met, and instrument tunes meet fragmentation requirements. Surrogate and internal standard recoveries are within laboratory acceptance ranges.

Blanks show no contamination.

Matrix spikes of all analytes in PZ-13 show acceptable recoveries and duplicate correlations. LCS recoveries are compliant.

Initial and continuing calibration standard (ICV and CCV) responses are within protocol and validation guidelines, with the exception of that for methyl acetate (21%D) in the standard associated with all samples except PZ-13. The results for that compound in those samples are qualified as estimated in value.

Tentatively Identified Compounds (TICs) reported with a CAS number should have been flagged by the laboratory as "N" to indicate that the identifications are tentative.

Semivolatile Analyses by EPA8270C

The matrix spikes of all analytes in PZ-13 show very poor recoveries (9% and 10%) for caprolactum, and low recoveries for 1,2,4,5-tetrachlorobenzene and 2,3,4,6-tetrachlorophenol (68% to 78%). The result for caprolactum is rejected in the parent sample\, and the results for the latter two compounds are qualified as estimated.

LCS recoveries are compliant, with the exception of that for dimethylphthalate (66%). The results for that compound in the project samples are qualified as estimated.

Initial and continuing calibration standard (ICV and CCV) responses are within protocol and validation guidelines.

Holding time requirements were met, and instrument tunes meet fragmentation requirements. Surrogate and internal standard recoveries are within required limits. Blanks show no contamination.

TICs that are flagged by the laboratory as "B" or "A" are rejected as sample components, as they are also present in the associated blank and/or are extraction artifacts.

TICs reported with a CAS number should have been flagged by the laboratory as "N" to indicate that the identifications are tentative.

The identification of the TIC identified as m-isopropoxyaniline is edited to be "Unknown".

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

Judy Harry

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected. The associated reported quantitation limit is an estimate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs and CASE NARRATIVE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
TRIPBLANK	D2950-01	8260-Low					
PZ-11	D2950-02	8260-Low	8270D				
DUP-053112	D2950-03	8260-Low	8270D				
PZ-13	D2950-04	8260-Low	8270D				
IDW-053112	D2950-07	8260C				6010B, 7471A	Chemtech -SOP
PZ-14	D2950-08	8260-Low	8270D				
PZ-12	D2950-09	8260-Low	8270D				
PZ-15	D2950-10	8260-Low	8270D				
PZ-16	D2950-11	8260-Low	8270D				
IDW-060412	D2950-12	8260C				6010B, 7471A	Chemtech -SOP

CHEMTECH

CASE NARRATIVE

Arcadis Inc.
Project Name: 02-66-384 Former Majestic cleaners
Project # N/A
Chemtech Project # D2950
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 06/02/2012.
1 Solid sample was received on 06/05/2012.
10 Water samples were received on 06/02/2012.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, SVOC-TCL BNA -20, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_R were done using GC column RXI-624SIL MS 30m 0.25mm 1.4um 872456The analysis performed on instrument MSVOA_F were done using GC column RTX-VMS, which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator.The analysis performed on instrument MSVOA_G were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.The analysis performed on instrument MSVOA_H were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.The analysis of VOC-TCLVOA-10 was based on method 8260-Low.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD for {BSF0606S2} with File ID: VF033797.D recoveries met criteria except for Bromomethane[23%] .
The Blank Spike for {BSF0606S1} with File ID: VF033796.D met requirements for all samples except for Chloromethane[145%], Dichlorodifluoromethane[145%], Methylcyclohexane[125%] and Vinyl chloride[145%] .

The Blank Spike Duplicate for {BSF0606S2} with File ID: VF033797.D met requirements for all samples except for Bromochloromethane[65%], Vinyl chloride[135%] .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .The %RSD is greater than 15% in the Initial Calibration (Method 82F060112W.M) for Chloromethane, Bromomethane, Chloroethane and Carbon Disulfide these compounds are passing on Quadratic regression. Dichlorodifluoromethane is passing on linear regression.
The %RSD is greater than 15% in the Initial Calibration (Method 82G053112W.M) for Chloroethane, Methyl Acetate, 1,2-Dibromo-3-Chloropropane, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene, and 4-Bromofluorobenzene these compounds are passing on linear regression and Ethyl Benzene,4-Methyl-2-Pentanone, 2-Hexanone, Isopropylbenzene, Carbon Disulfide and Toluene-d8, these compounds are passing on Quadratic regression.
The %RSD is greater than 15% in the Initial Calibration (Method 82R053012W.M) for Acetone, Methyl Acetate, Cyclohexane, Bromochloromethane, t-1,3-Dichloropropene, 1,2-Dibromo-3-Chloropropane, and 1,2,3-Trichlorobenzene these compounds are passing on linear regression andBromomethane, this compound is passing on Quadratic regression.
The %RSD is greater than 15% in the Initial Calibration (Method 82H060512W.M) for Bromoform this compound is passing on linear regression
The Continuous Calibration File ID VF033794.D met the requirements except for Chloromethane,Dichlorodifluoromethane and Vinyl Chloride .TThe Continuous Calibration File ID VG042935.D met the requirements except for Acetone,Carbon Disulfide,1,2,3-Trichlorobenzene and 4-Bromofluorobenzene .The Continuous Calibration File ID VR005751.D met the requirements except for 4-Methyl-2-Pentanone and 2-Hexanone .
The Tuning criteria met requirements.

E. Additional Comments:

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.
Due to bad matrix soil sample IDW-060412 run directly as a Meoh dilution.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed

above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes Mildred V. Reyes, QA/QC Supervisor 2012.06.19 13:55:24 -05'00'

CHEMTECH

CASE NARRATIVE

Arcadis Inc.
Project Name: 02-66-384 Former Majestic cleaners
Project # N/A
Chemtech Project # D2950
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 06/02/2012.
1 Solid sample was received on 06/05/2012.
10 Water samples were received on 06/02/2012.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, SVOC-TCL BNA -20, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_E using GC Column RXI-5 SILMS which is 30 meters, 0.25 mm ID, 0.50 um df, Catalog # 13638-124.The analysis of SVOC-TCL BNA -20 was based on method 8270D and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS {D2950-05MS} with File ID: BE077732.D recoveries met the requirements for all compounds except for 1,2,4,5-Tetrachlorobenzene[74%] and 2,3,4,6-Tetrachlorophenol[68%] .
The MSD {D2950-06MSD} with File ID: BE077733.D recoveries met the acceptable requirements except for 1,2,4,5-Tetrachlorobenzene[78%], 2,3,4,6-Tetrachlorophenol[74%] and Caprolactam[9%] .
The RPD recoveries met criteria .
The Blank Spike for {PB63588BS} with File ID: BE077726.D met requirements for all samples except for Dimethylphthalate[66%] .
The %RSD is greater than 15% in the Initial Calibration (Method 8270-BE0060412.M) for 2,4-Dinitrophenol, 4-Nitrophenol,4,6-Dinitro-2-methylphenol, Pentachlorophenol, Butylbenzylphthalate, Bis(2-ethylhexyl)phthalate, Di-n-octyl phthalate compounds are passing on linear regression and Atrazine this compound is passing on Quadratic regression.
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

CHEMTECH

E. Additional Comments:
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes Mildred V. Reyes, QA/QC Supervisor
2012.06.19 13:55:11 -05'00'

CASE NARRATIVE

Arcadis Inc.
Project Name: 02-66-384 Former Majestic cleaners
Project # N/A
Chemtech Project # D2950
Test Name: Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 06/02/2012.
1 Solid sample was received on 06/05/2012.
10 Water samples were received on 06/02/2012.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, SVOC-TCL BNA -20, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for Mercury,Metals ICP-TAL.

C. Analytical Techniques:
The analysis of Metals ICP-TAL was based on method 6010B, digestion based on method 3050 (soils). The analysis of Mercury was based on method 7471A and digestion was based on method 7471B (soils).

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples except for Barium, Calcium, Copper, Lead, Magnesium, Manganese, Mercury, Nickel, Vanadium and Zinc.
The Matrix Spike analysis met criteria for all samples except for Antimony, Barium and Copper.
The Matrix Spike Duplicate analysis met criteria for all samples except for Antimony, Barium, Copper and Lead.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met criteria for all samples except for Calcium, Chromium, Copper, Iron, Magnesium, Manganese and Zinc.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes

Mildred V. Reyes, QA/QC Supervisor
2012.06.19 13:54:43 -05'00'

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
Facsimile 518-251-4428

August 8, 2012

Stefan Bagnato
ARCADIS Malcolm Pirnie, Inc.
855 Rt 146 Suite 204
Clifton Park, NY 12065

RE: Validation of the Former Majestic Cleaners Analytical Data Packages
Con-test SDG No. 12G0003

Dear Mr. Bagnato:

Review has been completed for the data package generated by Con-test Analytical Laboratory that pertains to samples collected 06/26/12 at the Former Majestic Cleaners site. Four air samples were processed for volatile analytes by USEPA method TO-15.

The data packages submitted by the laboratory contain full deliverables for validation, but this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. Full validation has not been performed. However, the reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA national and regional validation documents, and in consideration for the specific requirements of the analytical methodology.

The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Method Blanks
* Laboratory Control Sample (LCS)
* Instrumental Tunes
* Initial and Continuing Calibration Standards
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable.

In summary, most results for target analyte are usable either as reported or with qualification.

Copies of the client sample identification and the laboratory case narrative are attached to this text, and should be reviewed in conjunction with this report. Also attached are qualified report forms, with recommended qualifiers applied in red ink.

Volatile Analyses in Air by TO-15

The following detections have been qualified as tentative in identification and estimated in value due to poor spectral quality:

- ethyl acetate and ethylbenzene in SVE-1230
- 1,3,5-trimethylbenzene in AS/SVE-1400

Due to very poor mass spectral quality and/or signal to noise response ratios, the following reported detections have been edited to reflect non-detection, often at significantly elevated reporting limits (due to matrix interferences):

- 1,1,2-trichloroethane, ethylbenzene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene in SVE-1035
- 1,2,4-trimethylbenzene in SVE-1230
- 1,1,2-trichloroethane, ethylbenzene, o-xylene, 1,2,4-trimethylbenzene in AS/SVE-1400
- m,p-xylene, o-xylene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene in AS/SVE-1540

Holding times were met. Surrogate and internal standard recoveries are within required limits. The low level contamination in the canister blanks does not affect sample reported results, as the concentrations are well below those of the field samples. LCS recoveries are within validation guidelines.

Calibration standard responses are acceptable, with the exceptions of those for 2-hexanone and isopropyl alcohol (33%D and 35%D). Results for those two compounds in the project samples have been qualified as estimated.

The method blank QC summary report Forms 4 should state the date of analysis.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected. The associated reported quantitation limit is an estimate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs and CASE NARRATIVE

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: Stefan Bagnato

REPORT DATE: 7/11/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 00266384.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12G0003

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Majestic Cleaners Brooklyn, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SVE-1035	12G0003-01	Soil Gas		EPA TO-15	
SVE-1230	12G0003-02	Soil Gas		EPA TO-15	
AS/SVE-1400	12G0003-03	Soil Gas		EPA TO-15	
AS/SVE-1540	12G0003-04	Soil Gas		EPA TO-15	

con-test®
ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Michael A. Erickson
Laboratory Director

QUALIFIED SAMPLE RESULTS FORMS

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Majestic Cleaners Brooklyn, NY
Date Received: 6/29/2012
Field Sample #: SVE-1035
Sample ID: 12G0003-01
Sample Matrix: Soil Gas
Sampled: 6/26/2012 10:35

Sample Description/Location:
Sub Description/Location:
Canister ID: 1119
Canister Size: 6 liter
Flow Controller ID: 4001
Sample Type: grab

Work Order: 12G0003
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -9.5
Flow Controller Type: fixed-orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: Grab

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	1100	400		2500	950	200	7/11/12 1:49	WSD
Benzene	130	10		420	32	200	7/11/12 1:49	WSD
Benzyl chloride	ND	10		ND	52	200	7/11/12 1:49	WSD
Bromodichloromethane	ND	10		ND	67	200	7/11/12 1:49	WSD
Bromoform	ND	10		ND	100	200	7/11/12 1:49	WSD
Bromomethane	ND	10		ND	39	200	7/11/12 1:49	WSD
1,3-Butadiene	ND	10		ND	22	200	7/11/12 1:49	WSD
2-Butanone (MEK)	ND	400		ND	1200	200	7/11/12 1:49	WSD
Carbon Disulfide	ND	100		ND	310	200	7/11/12 1:49	WSD
Carbon Tetrachloride	ND	10		ND	63	200	7/11/12 1:49	WSD
Chlorobenzene	ND	10		ND	46	200	7/11/12 1:49	WSD
Chloroethane	ND	10		ND	26	200	7/11/12 1:49	WSD
Chloroform	ND	10		ND	49	200	7/11/12 1:49	WSD
Chloromethane	ND	10		ND	21	200	7/11/12 1:49	WSD
Cyclohexane	88	10		300	34	200	7/11/12 1:49	WSD
Dibromochloromethane	ND	10		ND	85	200	7/11/12 1:49	WSD
1,2-Dibromoethane (EDB)	ND	10		ND	77	200	7/11/12 1:49	WSD
1,2-Dichlorobenzene	ND	10		ND	60	200	7/11/12 1:49	WSD
1,3-Dichlorobenzene	ND	10		ND	60	200	7/11/12 1:49	WSD
1,4-Dichlorobenzene	ND	10		ND	60	200	7/11/12 1:49	WSD
Dichlorodifluoromethane (Freon 12)	ND	10		ND	49	200	7/11/12 1:49	WSD
1,1-Dichloroethane	ND	10		ND	40	200	7/11/12 1:49	WSD
1,2-Dichloroethane	ND	10		ND	40	200	7/11/12 1:49	WSD
1,1-Dichloroethylene	200	10		780	40	200	7/11/12 1:49	WSD
cis-1,2-Dichloroethylene	88000	200		350000	790	4000	7/11/12 2:26	WSD
trans-1,2-Dichloroethylene	430	10		1700	40	200	7/11/12 1:49	WSD
1,2-Dichloropropane	ND	10		ND	46	200	7/11/12 1:49	WSD
cis-1,3-Dichloropropene	ND	10		ND	45	200	7/11/12 1:49	WSD
trans-1,3-Dichloropropene	ND	10		ND	45	200	7/11/12 1:49	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	10		ND	70	200	7/11/12 1:49	WSD
1,4-Dioxane	ND	10		ND	36	200	7/11/12 1:49	WSD
Ethanol	ND	400		ND	750	200	7/11/12 1:49	WSD
Ethyl Acetate	ND	10		ND	36	200	7/11/12 1:49	WSD
Ethylbenzene	ND ~~15~~	~~10~~ 15	U	~~64~~ ND	~~42~~ 64	200	7/11/12 1:49	WSD
4-Ethyltoluene	ND	10		ND	49	200	7/11/12 1:49	WSD
Heptane	65	10		270	41	200	7/11/12 1:49	WSD
Hexachlorobutadiene	ND	10		ND	110	200	7/11/12 1:49	WSD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Majestic Cleaners Brooklyn, NY
Date Received: 6/29/2012
Field Sample #: SVE-1035
Sample ID: 12G0003-01
Sample Matrix: Soil Gas
Sampled: 6/26/2012 10:35

Sample Description/Location:
Sub Description/Location:
Canister ID: 1119
Canister Size: 6 liter
Flow Controller ID: 4001
Sample Type: grab

Work Order: 12G0003
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -9.5
Flow Controller Type: fixed-orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: Grab

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	400		ND	1400	200	7/11/12 1:49	WSD
2-Hexanone (MBK)	ND	10	UJ	ND	41	200	7/11/12 1:49	WSD
Isopropanol	ND	400	UJ	ND	980	200	7/11/12 1:49	WSD
Methyl tert-Butyl Ether (MTBE)	ND	10		ND	36	200	7/11/12 1:49	WSD
Methylene Chloride	250	100		870	350	200	7/11/12 1:49	WSD
4-Methyl-2-pentanone (MIBK)	ND	10		ND	41	200	7/11/12 1:49	WSD
Naphthalene	33	10		170	52	200	7/11/12 1:49	WSD
Propene	ND	400		ND	690	200	7/11/12 1:49	WSD
Styrene	ND	10		ND	43	200	7/11/12 1:49	WSD
1,1,2,2-Tetrachloroethane	ND	10		ND	69	200	7/11/12 1:49	WSD
Tetrachloroethylene	120000	200		830000	1400	4000	7/11/12 2:26	WSD
Tetrahydrofuran	ND	10		ND	29	200	7/11/12 1:49	WSD
Toluene	78	10		290	38	200	7/11/12 1:49	WSD
1,2,4-Trichlorobenzene	ND	20		ND	150	200	7/11/12 1:49	WSD
1,1,1-Trichloroethane	ND	10		ND	55	200	7/11/12 1:49	WSD
1,1,2-Trichloroethane	ND ~~36~~	~~10~~ 36	U	~~200~~ ND	~~55~~ 200	200	7/11/12 1:49	WSD
Trichloroethylene	7500	200		40000	1100	4000	7/11/12 2:26	WSD
Trichlorofluoromethane (Freon 11)	ND	10		ND	56	200	7/11/12 1:49	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10		ND	77	200	7/11/12 1:49	WSD
1,2,4-Trimethylbenzene	ND ~~21~~	~~10~~ 21	U	~~110~~ ND	~~49~~ 110	200	7/11/12 1:49	WSD
1,3,5-Trimethylbenzene	ND ~~11~~	~~10~~ 11	U	~~53~~ ND	~~49~~ 53	200	7/11/12 1:49	WSD
Vinyl Acetate	ND	20		ND	70	200	7/11/12 1:49	WSD
Vinyl Chloride	28000	200		71000	510	4000	7/11/12 2:26	WSD
m&p-Xylene	ND	20		ND	87	200	7/11/12 1:49	WSD
o-Xylene	ND	10		ND	43	200	7/11/12 1:49	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	7/11/12 2:26
4-Bromofluorobenzene (1)	102	70-130	7/11/12 1:49

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners Brooklyn, NY
Date Received: 6/29/2012
Field Sample #: SVE-1230
Sample ID: 12G0003-02
Sample Matrix: Soil Gas
Sampled: 6/26/2012 12:30

Sample Description/Location:
Sub Description/Location:
Canister ID: 1623
Canister Size: 6 liter
Flow Controller ID: 4002
Sample Type: grab

Work Order: 12G0003
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -9.2
Flow Controller Type: fixed-orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: Grab

EPA TO-15

Analyte	ppbv Results	RL	Flag	ug/m3 Results	RL	Dilution	Date/Time Analyzed	Analyst
Acetone	980	400		2300	950	200	7/11/12 3:05	WSD
Benzene	39	10		120	32	200	7/11/12 3:05	WSD
Benzyl chloride	ND	10		ND	52	200	7/11/12 3:05	WSD
Bromodichloromethane	ND	10		ND	67	200	7/11/12 3:05	WSD
Bromoform	ND	10		ND	100	200	7/11/12 3:05	WSD
Bromomethane	ND	10		ND	39	200	7/11/12 3:05	WSD
1,3-Butadiene	ND	10		ND	22	200	7/11/12 3:05	WSD
2-Butanone (MEK)	ND	400		ND	1200	200	7/11/12 3:05	WSD
Carbon Disulfide	ND	100		ND	310	200	7/11/12 3:05	WSD
Carbon Tetrachloride	ND	10		ND	63	200	7/11/12 3:05	WSD
Chlorobenzene	ND	10		ND	46	200	7/11/12 3:05	WSD
Chloroethane	ND	10		ND	26	200	7/11/12 3:05	WSD
Chloroform	ND	10		ND	49	200	7/11/12 3:05	WSD
Chloromethane	ND	10		ND	21	200	7/11/12 3:05	WSD
Cyclohexane	30	10		100	34	200	7/11/12 3:05	WSD
Dibromochloromethane	ND	10		ND	85	200	7/11/12 3:05	WSD
1,2-Dibromoethane (EDB)	ND	10		ND	77	200	7/11/12 3:05	WSD
1,2-Dichlorobenzene	ND	10		ND	60	200	7/11/12 3:05	WSD
1,3-Dichlorobenzene	ND	10		ND	60	200	7/11/12 3:05	WSD
1,4-Dichlorobenzene	ND	10		ND	60	200	7/11/12 3:05	WSD
Dichlorodifluoromethane (Freon 12)	ND	10		ND	49	200	7/11/12 3:05	WSD
1,1-Dichloroethane	ND	10		ND	40	200	7/11/12 3:05	WSD
1,2-Dichloroethane	ND	10		ND	40	200	7/11/12 3:05	WSD
1,1-Dichloroethylene	22	10		88	40	200	7/11/12 3:05	WSD
cis-1,2-Dichloroethylene	19000	200		77000	790	4000	7/11/12 3:43	WSD
trans-1,2-Dichloroethylene	91	10		360	40	200	7/11/12 3:05	WSD
1,2-Dichloropropane	ND	10		ND	46	200	7/11/12 3:05	WSD
cis-1,3-Dichloropropene	ND	10		ND	45	200	7/11/12 3:05	WSD
trans-1,3-Dichloropropene	ND	10		ND	45	200	7/11/12 3:05	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	10		ND	70	200	7/11/12 3:05	WSD
1,4-Dioxane	17	10		63	36	200	7/11/12 3:05	WSD
Ethanol	ND	400		ND	750	200	7/11/12 3:05	WSD
Ethyl Acetate	560	10	NJ	2000	36	200	7/11/12 3:05	WSD
Ethylbenzene	11	10	NJ	49	43	200	7/11/12 3:05	WSD
4-Ethyltoluene	ND	10		ND	49	200	7/11/12 3:05	WSD
Heptane	33	10		140	41	200	7/11/12 3:05	WSD
Hexachlorobutadiene	ND	10		ND	110	200	7/11/12 3:05	WSD

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners Brooklyn, NY
Date Received: 6/29/2012
Field Sample #: SVE-1230
Sample ID: 12G0003-02
Sample Matrix: Soil Gas
Sampled: 6/26/2012 12:30

Sample Description/Location:
Sub Description/Location:
Canister ID: 1623
Canister Size: 6 liter
Flow Controller ID: 4002
Sample Type: grab

Work Order: 12G0003
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -9.2
Flow Controller Type: fixed-orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: Grab

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	400		ND	1400	200	7/11/12 3:05	WSD
2-Hexanone (MBK)	ND	10	UJ	ND	41	200	7/11/12 3:05	WSD
Isopropanol	ND	400	UJ	ND	980	200	7/11/12 3:05	WSD
Methyl tert-Butyl Ether (MTBE)	ND	10		ND	36	200	7/11/12 3:05	WSD
Methylene Chloride	170	100		610	350	200	7/11/12 3:05	WSD
4-Methyl-2-pentanone (MIBK)	ND	10		ND	41	200	7/11/12 3:05	WSD
Naphthalene	32	10		170	52	200	7/11/12 3:05	WSD
Propene	ND	400		ND	690	200	7/11/12 3:05	WSD
Styrene	ND	10		ND	43	200	7/11/12 3:05	WSD
1,1,2,2-Tetrachloroethane	ND	10		ND	69	200	7/11/12 3:05	WSD
Tetrachloroethylene	41000	200		280000	1400	4000	7/11/12 3:43	WSD
Tetrahydrofuran	ND	10		ND	29	200	7/11/12 3:05	WSD
Toluene	65	10		240	38	200	7/11/12 3:05	WSD
1,2,4-Trichlorobenzene	ND	20		ND	150	200	7/11/12 3:05	WSD
1,1,1-Trichloroethane	ND	10		ND	55	200	7/11/12 3:05	WSD
1,1,2-Trichloroethane	ND	10		ND	55	200	7/11/12 3:05	WSD
Trichloroethylene	2600	10		14000	54	200	7/11/12 3:05	WSD
Trichlorofluoromethane (Freon 11)	ND	10		ND	56	200	7/11/12 3:05	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10		ND	77	200	7/11/12 3:05	WSD
1,2,4-Trimethylbenzene	ND ~~17~~	~~10~~ 17 U		~~83~~ ND	~~49~~ 83	200	7/11/12 3:05	WSD
1,3,5-Trimethylbenzene	ND	10		ND	49	200	7/11/12 3:05	WSD
Vinyl Acetate	ND	20		ND	70	200	7/11/12 3:05	WSD
Vinyl Chloride	5000	10		13000	26	200	7/11/12 3:05	WSD
m&p-Xylene	ND	20		ND	87	200	7/11/12 3:05	WSD
o-Xylene	ND	10		ND	43	200	7/11/12 3:05	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	7/11/12 3:43
4-Bromofluorobenzene (1)	100	70-130	7/11/12 3:05

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners Brooklyn, NY
Date Received: 6/29/2012
Field Sample #: AS/SVE-1400
Sample ID: 12G0003-03
Sample Matrix: Soil Gas
Sampled: 6/26/2012 14:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1868
Canister Size: 6 liter
Flow Controller ID: 5039
Sample Type: grab

Work Order: 12G0003
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -8.9
Flow Controller Type: fixed-orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: Grab

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	1100	400		2600	950	200	7/11/12 4:22	WSD
Benzene	61	10		200	32	200	7/11/12 4:22	WSD
Benzyl chloride	ND	10		ND	52	200	7/11/12 4:22	WSD
Bromodichloromethane	ND	10		ND	67	200	7/11/12 4:22	WSD
Bromoform	ND	10		ND	100	200	7/11/12 4:22	WSD
Bromomethane	ND	10		ND	39	200	7/11/12 4:22	WSD
1,3-Butadiene	ND	10		ND	22	200	7/11/12 4:22	WSD
2-Butanone (MEK)	ND	400		ND	1200	200	7/11/12 4:22	WSD
Carbon Disulfide	ND	100		ND	310	200	7/11/12 4:22	WSD
Carbon Tetrachloride	ND	10		ND	63	200	7/11/12 4:22	WSD
Chlorobenzene	ND	10		ND	46	200	7/11/12 4:22	WSD
Chloroethane	ND	10		ND	26	200	7/11/12 4:22	WSD
Chloroform	ND	10		ND	49	200	7/11/12 4:22	WSD
Chloromethane	ND	10		ND	21	200	7/11/12 4:22	WSD
Cyclohexane	130	10		460	34	200	7/11/12 4:22	WSD
Dibromochloromethane	ND	10		ND	85	200	7/11/12 4:22	WSD
1,2-Dibromoethane (EDB)	ND	10		ND	77	200	7/11/12 4:22	WSD
1,2-Dichlorobenzene	ND	10		ND	60	200	7/11/12 4:22	WSD
1,3-Dichlorobenzene	ND	10		ND	60	200	7/11/12 4:22	WSD
1,4-Dichlorobenzene	ND	10		ND	60	200	7/11/12 4:22	WSD
Dichlorodifluoromethane (Freon 12)	ND	10		ND	49	200	7/11/12 4:22	WSD
1,1-Dichloroethane	ND	10		ND	40	200	7/11/12 4:22	WSD
1,2-Dichloroethane	ND	10		ND	40	200	7/11/12 4:22	WSD
1,1-Dichloroethylene	33	10		130	40	200	7/11/12 4:22	WSD
cis-1,2-Dichloroethylene	26000	200		100000	790	4000	7/11/12 4:58	WSD
trans-1,2-Dichloroethylene	130	10		530	40	200	7/11/12 4:22	WSD
1,2-Dichloropropane	ND	10		ND	46	200	7/11/12 4:22	WSD
cis-1,3-Dichloropropene	ND	10		ND	45	200	7/11/12 4:22	WSD
trans-1,3-Dichloropropene	ND	10		ND	45	200	7/11/12 4:22	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	10		ND	70	200	7/11/12 4:22	WSD
1,4-Dioxane	ND	10		ND	36	200	7/11/12 4:22	WSD
Ethanol	ND	400		ND	750	200	7/11/12 4:22	WSD
Ethyl Acetate	600	10		2200	36	200	7/11/12 4:22	WSD
Ethylbenzene	ND ~~52~~	~~10~~ 52	U	~~230~~ ND	~~43~~ 230	200	7/11/12 4:22	WSD
4-Ethyltoluene	ND	10		ND	49	200	7/11/12 4:22	WSD
Heptane	130	10		550	41	200	7/11/12 4:22	WSD
Hexachlorobutadiene	ND	10		ND	110	200	7/11/12 4:22	WSD

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners Brooklyn, NY
Date Received: 6/29/2012
Field Sample #: AS/SVE-1400
Sample ID: 12G0003-03
Sample Matrix: Soil Gas
Sampled: 6/26/2012 14:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1868
Canister Size: 6 liter
Flow Controller ID: 5039
Sample Type: grab

Work Order: 12G0003
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -8.9
Flow Controller Type: fixed-orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: Grab

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	400		ND	1400	200	7/11/12 4:22	WSD
2-Hexanone (MBK)	ND	10	UJ	ND	41	200	7/11/12 4:22	WSD
Isopropanol	ND	400	UJ	ND	980	200	7/11/12 4:22	WSD
Methyl tert-Butyl Ether (MTBE)	ND	10		ND	36	200	7/11/12 4:22	WSD
Methylene Chloride	230	100		790	350	200	7/11/12 4:22	WSD
4-Methyl-2-pentanone (MIBK)	ND	10		ND	41	200	7/11/12 4:22	WSD
Naphthalene	29	10		150	52	200	7/11/12 4:22	WSD
Propene	ND	400		ND	690	200	7/11/12 4:22	WSD
Styrene	ND	10		ND	43	200	7/11/12 4:22	WSD
1,1,2,2-Tetrachloroethane	ND	10		ND	69	200	7/11/12 4:22	WSD
Tetrachloroethylene	57000	200		390000	1400	4000	7/11/12 4:58	WSD
Tetrahydrofuran	ND	10		ND	29	200	7/11/12 4:22	WSD
Toluene	73	10		270	38	200	7/11/12 4:22	WSD
1,2,4-Trichlorobenzene	ND	20		ND	150	200	7/11/12 4:22	WSD
1,1,1-Trichloroethane	ND	10		ND	55	200	7/11/12 4:22	WSD
1,1,2-Trichloroethane	ND ~~37~~	~~10~~ 37	U	~~200~~ ND	~~55~~ 200	200	7/11/12 4:22	WSD
Trichloroethylene	3500	10		19000	54	200	7/11/12 4:22	WSD
Trichlorofluoromethane (Freon 11)	ND	10		ND	56	200	7/11/12 4:22	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10		ND	77	200	7/11/12 4:22	WSD
1,2,4-Trimethylbenzene	ND ~~34~~	~~10~~ 34	U	~~170~~ ND	~~49~~ 170	200	7/11/12 4:22	WSD
1,3,5-Trimethylbenzene	14	10	NJ	67	49	200	7/11/12 4:22	WSD
Vinyl Acetate	ND	20		ND	70	200	7/11/12 4:22	WSD
Vinyl Chloride	6900	10		18000	26	200	7/11/12 4:22	WSD
m&p-Xylene	ND	20		ND	87	200	7/11/12 4:22	WSD
o-Xylene	ND ~~12~~	~~10~~ 12	U	~~53~~ ND	~~43~~ 53	200	7/11/12 4:22	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	7/11/12 4:58
4-Bromofluorobenzene (1)	102	70-130	7/11/12 4:22

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners Brooklyn, NY
Date Received: 6/29/2012
Field Sample #: AS/SVE-1540
Sample ID: 12G0003-04
Sample Matrix: Soil Gas
Sampled: 6/26/2012 15:40

Sample Description/Location:
Sub Description/Location:
Canister ID: 1331
Canister Size: 6 liter
Flow Controller ID: 5040
Sample Type: grab

Work Order: 12G0003
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -9
Flow Controller Type: fixed-orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: Grab

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	1100	400		2700	950	200	7/11/12 5:37	WSD
Benzene	93	10		300	32	200	7/11/12 5:37	WSD
Benzyl chloride	ND	10		ND	52	200	7/11/12 5:37	WSD
Bromodichloromethane	ND	10		ND	67	200	7/11/12 5:37	WSD
Bromoform	ND	10		ND	100	200	7/11/12 5:37	WSD
Bromomethane	ND	10		ND	39	200	7/11/12 5:37	WSD
1,3-Butadiene	ND	10		ND	22	200	7/11/12 5:37	WSD
2-Butanone (MEK)	ND	400		ND	1200	200	7/11/12 5:37	WSD
Carbon Disulfide	110	100		330	310	200	7/11/12 5:37	WSD
Carbon Tetrachloride	ND	10		ND	63	200	7/11/12 5:37	WSD
Chlorobenzene	ND	10		ND	46	200	7/11/12 5:37	WSD
Chloroethane	ND	10		ND	26	200	7/11/12 5:37	WSD
Chloroform	ND	10		ND	49	200	7/11/12 5:37	WSD
Chloromethane	ND	10		ND	21	200	7/11/12 5:37	WSD
Cyclohexane	300	10		1000	34	200	7/11/12 5:37	WSD
Dibromochloromethane	ND	10		ND	85	200	7/11/12 5:37	WSD
1,2-Dibromoethane (EDB)	ND	10		ND	77	200	7/11/12 5:37	WSD
1,2-Dichlorobenzene	ND	10		ND	60	200	7/11/12 5:37	WSD
1,3-Dichlorobenzene	ND	10		ND	60	200	7/11/12 5:37	WSD
1,4-Dichlorobenzene	ND	10		ND	60	200	7/11/12 5:37	WSD
Dichlorodifluoromethane (Freon 12)	ND	10		ND	49	200	7/11/12 5:37	WSD
1,1-Dichloroethane	ND	10		ND	40	200	7/11/12 5:37	WSD
1,2-Dichloroethane	ND	10		ND	40	200	7/11/12 5:37	WSD
1,1-Dichloroethylene	37	10		150	40	200	7/11/12 5:37	WSD
cis-1,2-Dichloroethylene	32000	200		130000	790	4000	7/11/12 6:13	WSD
trans-1,2-Dichloroethylene	170	10		670	40	200	7/11/12 5:37	WSD
1,2-Dichloropropane	ND	10		ND	46	200	7/11/12 5:37	WSD
cis-1,3-Dichloropropene	ND	10		ND	45	200	7/11/12 5:37	WSD
trans-1,3-Dichloropropene	ND	10		ND	45	200	7/11/12 5:37	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	10		ND	70	200	7/11/12 5:37	WSD
1,4-Dioxane	ND	10		ND	36	200	7/11/12 5:37	WSD
Ethanol	ND	400		ND	750	200	7/11/12 5:37	WSD
Ethyl Acetate	670	10		2400	36	200	7/11/12 5:37	WSD
Ethylbenzene	67	10		290	43	200	7/11/12 5:37	WSD
4-Ethyltoluene	ND	10		ND	49	200	7/11/12 5:37	WSD
Heptane	290	10		1200	41	200	7/11/12 5:37	WSD
Hexachlorobutadiene	ND	10		ND	110	200	7/11/12 5:37	WSD

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners Brooklyn, NY
Date Received: 6/29/2012
Field Sample #: AS/SVE-1540
Sample ID: 12G0003-04
Sample Matrix: Soil Gas
Sampled: 6/26/2012 15:40

Sample Description/Location:
Sub Description/Location:
Canister ID: 1331
Canister Size: 6 liter
Flow Controller ID: 5040
Sample Type: grab

Work Order: 12G0003
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -9
Flow Controller Type: fixed-orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: Grab

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	400		ND	1400	200	7/11/12 5:37	WSD
2-Hexanone (MBK)	ND	10	UJ	ND	41	200	7/11/12 5:37	WSD
Isopropanol	ND	400	UJ	ND	980	200	7/11/12 5:37	WSD
Methyl tert-Butyl Ether (MTBE)	ND	10		ND	36	200	7/11/12 5:37	WSD
Methylene Chloride	270	100		930	350	200	7/11/12 5:37	WSD
4-Methyl-2-pentanone (MIBK)	ND	10		ND	41	200	7/11/12 5:37	WSD
Naphthalene	26	10		130	52	200	7/11/12 5:37	WSD
Propene	ND	400		ND	690	200	7/11/12 5:37	WSD
Styrene	ND	10		ND	43	200	7/11/12 5:37	WSD
1,1,2,2-Tetrachloroethane	ND	10		ND	69	200	7/11/12 5:37	WSD
Tetrachloroethylene	67000	200		460000	1400	4000	7/11/12 6:13	WSD
Tetrahydrofuran	ND	10		ND	29	200	7/11/12 5:37	WSD
Toluene	82	10		310	38	200	7/11/12 5:37	WSD
1,2,4-Trichlorobenzene	ND	20		ND	150	200	7/11/12 5:37	WSD
1,1,1-Trichloroethane	ND	10		ND	55	200	7/11/12 5:37	WSD
1,1,2-Trichloroethane	ND	10		ND	55	200	7/11/12 5:37	WSD
Trichloroethylene	4100	10		22000	54	200	7/11/12 5:37	WSD
Trichlorofluoromethane (Freon 11)	ND	10		ND	56	200	7/11/12 5:37	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10		ND	77	200	7/11/12 5:37	WSD
1,2,4-Trimethylbenzene	ND ~~35~~	~~10~~ 35	U	~~170~~ ND	~~49~~ 170	200	7/11/12 5:37	WSD
1,3,5-Trimethylbenzene	ND ~~12~~	~~10~~ 12	U	~~61~~ ND	~~49~~ 61	200	7/11/12 5:37	WSD
Vinyl Acetate	ND	20		ND	70	200	7/11/12 5:37	WSD
Vinyl Chloride	7400	10		19000	26	200	7/11/12 5:37	WSD
m&p-Xylene	ND ~~22~~	~~20~~ 22	U	~~95~~ ND	~~87~~ 95	200	7/11/12 5:37	WSD
o-Xylene	ND ~~12~~	~~10~~ 13	U	~~58~~ ND	~~43~~ 58	200	7/11/12 5:37	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	100	70-130	7/11/12 6:13
4-Bromofluorobenzene (1)	102	70-130	7/11/12 5:37

ARCADIS

Appendix G

Site Photographs



Photo 1. Sampling of PZ-1.



Photo 2. Eastward view of the corner of Loring Avenue and Pine Street. PZ-2 was destroyed during sidewalk repairs.



Photo 3. Eastward view of SV-3 on the south side of Loring Avenue.



Photo 4. Westward view of SV-2 on the south side of Loring Avenue.



Photo 5. Eastward view of SV-1 and PZ-1 on the north side of Loring Avenue.



Photo 6. Ambient air sampling location near PZ-1.



Photo 7. Northward view of Pine Street. SV-4 is in the foreground.



Photo 8. Eastward view of PZ-3 at the corner of Loring Avenue and Pine Street..



Photo 9. Installation of PZ-6 on the east side of Pine Street.



Photo 10. Eastward view of the site from gate area.



Photo 11. Northward view of the site from the gate area.



Photo 12. Southwestward view of the site from the gate area.



Photo 13. View of southwest corner of the site.



Photo 14. Northward view of the site and PZ-4R drilling location.



Photo 15. Installation of PZ-4R in the northern portion of the site.



Photo 16. View of northwest corner of the site.

ARCADIS

Appendix H

Analytical Laboratory Reporting Forms

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

ANALYTICAL RESULTS
SUMMARY

PROJECT NAME : 02-66-384 FORMER MAJESTIC CLEANERS

MALCOLM PIRNIE, INC.
855 Route 146, Suite 210

Clifton Park , NY - 12065
Phone No: 5182507300

ORDER ID : **B3953**
ATTENTION : **Stefan Bagnato**

ACCREDITED IN ACCORDANCE WITH nelac
LABORATORY ACCREDITATION BUREAU ACCREDITED ISO/IEC 17025
DoD ELAP

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Cover Page

Order ID : B3953

Project ID : 02-66-384 Former Majestic cleaners

Client : Malcolm Pirnie, Inc.

Lab Sample Number	Client Sample Number
B3953-01	MW-1
B3953-02	MW-X
B3953-03	TRIPBLANK
B3953-04	MW-3
B3953-05	B3953-04MS
B3953-06	B3953-04MSD

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MW-1	B3953-01	8260B	8270C				
MW-X	B3953-02	8260B	8270C				
TRIPBLANK	B3953-03	8260B					
MW-3	B3953-04	8260B	8270C				

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIa

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
B3953-01	WATER	10/19/10	10/20/10	10/22/10	10/23/10
B3953-02	WATER	10/19/10	10/20/10	10/22/10	10/23/10
B3953-04	WATER	10/19/10	10/20/10	10/22/10	10/23/10

* Details For Test :SVOC-TCL BNA -20

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
B3953-01	WATER	10/19/10	10/20/10		10/21/10
B3953-02	WATER	10/19/10	10/20/10		10/21/10
B3953-03	WATER	10/19/10	10/20/10		10/21/10
B3953-04	WATER	10/19/10	10/20/10		10/21/10

* Details For Test :VOC-TCLVOA-10

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY
MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
B3953-01	Water	8260B	5030		
B3953-02	Water	8260B	5030		
B3953-03	Water	8260B	5030		
B3953-04	Water	8260B	5030		
B3953-05	Water	8260B	5030		
B3953-06	Water	8260B	5030		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY
MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
B3953-01	Water	8270C	3510C		
B3953-02	Water	8270C	3510C		
B3953-04	Water	8270C	3510C		
B3953-05	Water	8270C	3510C		
B3953-06	Water	8270C	3510C		

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: 02-66-384 Former Majestic cleaners
Project # N/A
Chemtech Project # B3953

A. Number of Samples and Date of Receipt:
6 Water samples were received on 10/20/10.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20, and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA F were done using GC column RTX624, which is 75 meters, 0.53 mm id, 3.0 um df, Restek Cat. #10974. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator. The analysis of method VOC-CLVOA-10 was based on 8260B

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD recoveries met criteria.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The %RSD is greater than 15% in the Initial Calibration (Method 82F102110.M) for Bromomethane, Chloroethane, Acetone and Methyl Acetate. Linear /Quadratic regression was performed for these compounds and the coef of det (r ^2) is greater than 0.99.
The Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:
Please use %D calculated based on AvgRF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration Curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

Response Factor when the %RSD value for a compound is <15% for the Initial Calibration Curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: Chemtech Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG No.: B3953

Matrix (soil/water): WATER Lab Sample ID: B3953-01

Sample wt/vol: 5 (g/mL) ml Lab File ID: VF024146.D

Level: (low/med) LOW Date Received: 10/20/10

% Moisture: not dec. 100 Date Analyzed: 10/21/10

GC Column: RTX-VMS ID: 0.53 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	0.66	J
75-01-4	Vinyl Chloride	1.6	
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
1634-04-4	Methyl tert-butyl Ether	1	U
79-20-9	Methyl Acetate	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	0.65	J
75-34-3	1,1-Dichloroethane	1	U
110-82-7	Cyclohexane	1	U
78-93-3	2-Butanone	5	U
56-23-5	Carbon Tetrachloride	1	U
156-59-2	cis-1,2-Dichloroethene	15	
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
108-87-2	Methylcyclohexane	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	5.5	
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: Chemtech Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG No.: B3953

Matrix (soil/water): WATER Lab Sample ID: B3953-01

Sample wt/vol: 5 (g/mL) ml Lab File ID: VF024146.D

Level: (low/med) LOW Date Received: 10/20/10

% Moisture: not dec. 100 Date Analyzed: 10/21/10

GC Column: RTX-VMS ID: 0.53 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U
10061-02-6	t-1,3-Dichloropropene	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
127-18-4	Tetrachloroethene	10	
108-90-7	Chlorobenzene	1	U
100-41-4	Ethyl Benzene	1	U
179601-23-1	m/p-Xylenes	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-X

Lab Name: Chemtech Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG No.: B3953

Matrix (soil/water): WATER Lab Sample ID: B3953-02

Sample wt/vol: 5 (g/mL) ml Lab File ID: VF024147.D

Level: (low/med) LOW Date Received: 10/20/10

% Moisture: not dec. 100 Date Analyzed: 10/21/10

GC Column: RTX-VMS ID: 0.53 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1.6	
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
1634-04-4	Methyl tert-butyl Ether	1	U
79-20-9	Methyl Acetate	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	0.65	J
75-34-3	1,1-Dichloroethane	1	U
110-82-7	Cyclohexane	1	U
78-93-3	2-Butanone	5	U
56-23-5	Carbon Tetrachloride	1	U
156-59-2	cis-1,2-Dichloroethene	16	
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
108-87-2	Methylcyclohexane	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	5.4	
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-X

Lab Name: Chemtech Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG No.: B3953

Matrix (soil/water): WATER Lab Sample ID: B3953-02

Sample wt/vol: 5 (g/mL) ml Lab File ID: VF024147.D

Level: (low/med) LOW Date Received: 10/20/10

% Moisture: not dec. 100 Date Analyzed: 10/21/10

GC Column: RTX-VMS ID: 0.53 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
10061-02-6	t-1,3-Dichloropropene	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
127-18-4	Tetrachloroethene	9.8	
108-90-7	Chlorobenzene	1	U
100-41-4	Ethyl Benzene	1	U
179601-23-1	m/p-Xylenes	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: Chemtech Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG No.: B3953

Matrix (soil/water): WATER Lab Sample ID: B3953-03

Sample wt/vol: 5 (g/mL) ml Lab File ID: VF024145.D

Level: (low/med) LOW Date Received: 10/20/10

% Moisture: not dec. 100 Date Analyzed: 10/21/10

GC Column: RTX-VMS ID: 0.53 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
1634-04-4	Methyl tert-butyl Ether	1	U
79-20-9	Methyl Acetate	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
110-82-7	Cyclohexane	1	U
78-93-3	2-Butanone	5	U
56-23-5	Carbon Tetrachloride	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
108-87-2	Methylcyclohexane	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: Chemtech Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG No.: B3953

Matrix (soil/water): WATER Lab Sample ID: B3953-03

Sample wt/vol: 5 (g/mL) ml Lab File ID: VF024145.D

Level: (low/med) LOW Date Received: 10/20/10

% Moisture: not dec. 100 Date Analyzed: 10/21/10

GC Column: RTX-VMS ID: 0.53 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
10061-02-6	t-1,3-Dichloropropene	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
127-18-4	Tetrachloroethene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethyl Benzene	1	U
179601-23-1	m/p-Xylenes	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: Chemtech Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG No.: B3953

Matrix (soil/water): WATER Lab Sample ID: B3953-04

Sample wt/vol: 5 (g/mL) ml Lab File ID: VF024148.D

Level: (low/med) LOW Date Received: 10/20/10

% Moisture: not dec. 100 Date Analyzed: 10/21/10

GC Column: RTX-VMS ID: 0.53 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
1634-04-4	Methyl tert-butyl Ether	1	U
79-20-9	Methyl Acetate	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
110-82-7	Cyclohexane	1	U
78-93-3	2-Butanone	5	U
56-23-5	Carbon Tetrachloride	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
108-87-2	Methylcyclohexane	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: Chemtech Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG No.: B3953

Matrix (soil/water): WATER Lab Sample ID: B3953-04

Sample wt/vol: 5 (g/mL) ml Lab File ID: VF024148.D

Level: (low/med) LOW Date Received: 10/20/10

% Moisture: not dec. 100 Date Analyzed: 10/21/10

GC Column: RTX-VMS ID: 0.53 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
10061-02-6	t-1,3-Dichloropropene	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
127-18-4	Tetrachloroethene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethyl Benzene	1	U
179601-23-1	m/p-Xylenes	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: B3953

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**MW-1**							
B3953-01	MW-1	WATER	Chloromethane	0.66	J	1.0	0.20	ug/L
B3953-01	MW-1	WATER	Vinyl Chloride	1.60		1.0	0.34	ug/L
B3953-01	MW-1	WATER	trans-1,2-Dichloroethene	0.65	J	1.0	0.41	ug/L
B3953-01	MW-1	WATER	cis-1,2-Dichloroethene	15.00		1.0	0.35	ug/L
B3953-01	MW-1	WATER	Trichloroethene	5.50		1.0	0.28	ug/L
B3953-01	MW-1	WATER	Tetrachloroethene	10.00		1.0	0.27	ug/L
			Total Voc :		**33.41**			
			Total Concentration:		**33.41**			
Client ID:	**MW-X**							
B3953-02	MW-X	WATER	Vinyl Chloride	1.60		1.0	0.34	ug/L
B3953-02	MW-X	WATER	trans-1,2-Dichloroethene	0.65	J	1.0	0.41	ug/L
B3953-02	MW-X	WATER	cis-1,2-Dichloroethene	16.00		1.0	0.35	ug/L
B3953-02	MW-X	WATER	Trichloroethene	5.40		1.0	0.28	ug/L
B3953-02	MW-X	WATER	Tetrachloroethene	9.80		1.0	0.27	ug/L
			Total Voc :		**33.45**			
			Total Concentration:		**33.45**			

CHEMTECH

Surrogate Summary

SW-846

SDG No.: B3953

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW846 8260

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
B3953-01	MW-1	1,2-Dichloroethane-d4	50	47.51	95		66	150
		Dibromofluoromethane	50	48.64	97		76	130
		Toluene-d8	50	50.57	101		78	121
		4-Bromofluorobenzene	50	51.54	103		70	131
B3953-02	MW-X	1,2-Dichloroethane-d4	50	48.67	97		66	150
		Dibromofluoromethane	50	49.58	99		76	130
		Toluene-d8	50	50.11	100		78	121
		4-Bromofluorobenzene	50	51.5	103		70	131
B3953-03	TRIPBLANK	1,2-Dichloroethane-d4	50	46.7	93		66	150
		Dibromofluoromethane	50	49.88	100		76	130
		Toluene-d8	50	51.02	102		78	121
		4-Bromofluorobenzene	50	52.31	105		70	131
B3953-04	MW-3	1,2-Dichloroethane-d4	50	50.13	100		66	150
		Dibromofluoromethane	50	50.77	102		76	130
		Toluene-d8	50	50.57	101		78	121
		4-Bromofluorobenzene	50	52.02	104		70	131
B3953-05MS	MW-3MS	1,2-Dichloroethane-d4	50	52.96	106		66	150
		Dibromofluoromethane	50	48.26	97		76	130
		Toluene-d8	50	53.4	107		78	121
		4-Bromofluorobenzene	50	54.27	109		70	131
B3953-06MSD	MW-3MSD	1,2-Dichloroethane-d4	50	51.34	103		66	150
		Dibromofluoromethane	50	46.76	94		76	130
		Toluene-d8	50	52.84	106		78	121
		4-Bromofluorobenzene	50	53.46	107		70	131
BSF1021W1	BSF1021W1	1,2-Dichloroethane-d4	50	42.06	84		66	150
		Dibromofluoromethane	50	43.28	87		76	130
		Toluene-d8	50	45.14	90		78	121
		4-Bromofluorobenzene	50	44.13	88		70	131
VBF1021W1	VBF1021W1	1,2-Dichloroethane-d4	50	45.22	90		66	150
		Dibromofluoromethane	50	49.92	100		76	130
		Toluene-d8	50	50.96	102		78	121
		4-Bromofluorobenzene	50	51.53	103		70	131

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: B3953

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW846 8260

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : B3953-05MS	**Client Sample ID : MW-3MS**									
Dichlorodifluoromethane	50	0	62	124				24	175	
Chloromethane	50	0	65	130				29	190	
Vinyl chloride	50	0	62	124				39	171	
Bromomethane	50	0	59	118				34	167	
Chloroethane	50	0	58	116				38	170	
Trichlorofluoromethane	50	0	72	144				38	171	
1,1,2-Trichlorotrifluoroethane	50	0	65	130				47	152	
1,1-Dichloroethene	50	0	63	126				47	149	
Acetone	250	0	190	76				28	181	
Carbon disulfide	50	0	50	100				34	160	
Methyl tert-butyl Ether	50	0	65	130				39	166	
Methyl Acetate	50	0	52	104				29	176	
Methylene Chloride	50	0	60	120				48	149	
trans-1,2-Dichloroethene	50	0	61	122				53	143	
1,1-Dichloroethane	50	0	62	124				57	150	
Cyclohexane	50	0	60	120				42	159	
2-Butanone	250	0	260	104				47	160	
Carbon Tetrachloride	50	0	60	120				38	158	
cis-1,2-Dichloroethene	50	0	61	122				41	160	
Chloroform	50	0	60	120				56	152	
1,1,1-Trichloroethane	50	0	59	118				57	148	
Methylcyclohexane	50	0	54	108				41	152	
Benzene	50	0	54	108				59	140	
1,2-Dichloroethane	50	0	56	112				56	151	
Trichloroethene	50	0	53	106				49	146	
1,2-Dichloropropane	50	0	55	110				63	140	
Bromodichloromethane	50	0	55	110				60	144	
4-Methyl-2-Pentanone	250	0	280	112				51	160	
Toluene	50	0	54	108				60	139	
t-1,3-Dichloropropene	50	0	54	108				51	148	
cis-1,3-Dichloropropene	50	0	54	108				53	143	
1,1,2-Trichloroethane	50	0	55	110				65	138	
2-Hexanone	250	0	280	112				44	170	
Dibromochloromethane	50	0	54	108				56	146	
1,2-Dibromoethane	50	0	56	112				63	142	
Tetrachloroethene	50	0	42	84				23	148	
Chlorobenzene	50	0	49	98				57	136	
Ethyl Benzene	50	0	49	98				49	146	
m/p-Xylenes	100	0	98	98				51	140	
o-Xylene	50	0	49	98				54	139	
Styrene	50	0	49	98				48	141	
Bromoform	50	0	46	92				48	141	
Isopropylbenzene	50	0	46	92				48	143	
1,1,2,2-Tetrachloroethane	50	0	47	94				52	151	
1,3-Dichlorobenzene	50	0	46	92				63	129	
1,4-Dichlorobenzene	50	0	46	92				57	134	
1,2-Dichlorobenzene	50	0	47	94				57	136	

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: B3953

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW846 8260

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,2-Dibromo-3-Chloropropane	50	0	48	96				46	157	
1,2,4-Trichlorobenzene	50	0	46	92				53	137	

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: B3953

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW846 8260

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : B3953-06MSD	**Client Sample ID : MW-3MSD**									
Dichlorodifluoromethane	50	0	62	124		0		24	175	20
Chloromethane	50	0	64	128		2		29	190	20
Vinyl chloride	50	0	59	118		5		39	171	20
Bromomethane	50	0	55	110		7		34	167	20
Chloroethane	50	0	52	104		11		38	170	20
Trichlorofluoromethane	50	0	67	134		7		38	171	20
1,1,2-Trichlorotrifluoroethane	50	0	63	126		3		47	152	20
1,1-Dichloroethene	50	0	60	120		5		47	149	20
Acetone	250	0	180	72		5		28	181	20
Carbon disulfide	50	0	46	92		8		34	160	20
Methyl tert-butyl Ether	50	0	62	124		5		39	166	20
Methyl Acetate	50	0	50	100		4		29	176	20
Methylene Chloride	50	0	58	116		3		48	149	20
trans-1,2-Dichloroethene	50	0	59	118		3		53	143	20
1,1-Dichloroethane	50	0	59	118		5		57	150	20
Cyclohexane	50	0	59	118		2		42	159	20
2-Butanone	250	0	260	104		0		47	160	20
Carbon Tetrachloride	50	0	61	122		2		38	158	20
cis-1,2-Dichloroethene	50	0	60	120		2		41	160	20
Chloroform	50	0	59	118		2		56	152	20
1,1,1-Trichloroethane	50	0	58	116		2		57	148	20
Methylcyclohexane	50	0	54	108		0		41	152	20
Benzene	50	0	55	110		2		59	140	20
1,2-Dichloroethane	50	0	56	112		0		56	151	20
Trichloroethene	50	0	55	110		4		49	146	20
1,2-Dichloropropane	50	0	56	112		2		63	140	20
Bromodichloromethane	50	0	55	110		0		60	144	20
4-Methyl-2-Pentanone	250	0	280	112		0		51	160	20
Toluene	50	0	55	110		2		60	139	20
t-1,3-Dichloropropene	50	0	54	108		0		51	148	20
cis-1,3-Dichloropropene	50	0	54	108		0		53	143	20
1,1,2-Trichloroethane	50	0	56	112		2		65	138	20
2-Hexanone	250	0	270	108		4		44	170	20
Dibromochloromethane	50	0	55	110		2		56	146	20
1,2-Dibromoethane	50	0	56	112		0		63	142	20
Tetrachloroethene	50	0	44	88		5		23	148	20
Chlorobenzene	50	0	50	100		2		57	136	20
Ethyl Benzene	50	0	50	100		2		49	146	20
m/p-Xylenes	100	0	100	100		2		51	140	20
o-Xylene	50	0	50	100		2		54	139	20
Styrene	50	0	49	98		0		48	141	20
Bromoform	50	0	47	94		2		48	141	20
Isopropylbenzene	50	0	48	96		4		48	143	20
1,1,2,2-Tetrachloroethane	50	0	49	98		4		52	151	20
1,3-Dichlorobenzene	50	0	48	96		4		63	129	20
1,4-Dichlorobenzene	50	0	47	94		2		57	134	20
1,2-Dichlorobenzene	50	0	49	98		4		57	136	20

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: B3953

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW846 8260

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,2-Dibromo-3-Chloropropane	50	0	51	102		6		46	157	20
1,2,4-Trichlorobenzene	50	0	50	100		8		53	137	20

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: B3953

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
BSF1021W1	Dichlorodifluoromethane	20	18	90			35	124	
	Chloromethane	20	20	100			37	148	
	Vinyl chloride	20	20	100			45	144	
	Bromomethane	20	19	95			44	146	
	Chloroethane	20	18	90			46	148	
	Trichlorofluoromethane	20	21	105			56	137	
	1,1,2-Trichlorotrifluoroethane	20	20	100			52	142	
	1,1-Dichloroethene	20	20	100			57	135	
	Acetone	100	93	93			50	149	
	Carbon disulfide	20	20	100			36	155	
	Methyl tert-butyl Ether	20	21	105			60	144	
	Methyl Acetate	20	20	100			51	158	
	Methylene Chloride	20	19	95			61	138	
	trans-1,2-Dichloroethene	20	20	100			59	137	
	1,1-Dichloroethane	20	20	100			64	142	
	Cyclohexane	20	20	100			56	141	
	2-Butanone	100	100	100			56	152	
	Carbon Tetrachloride	20	20	100			59	138	
	cis-1,2-Dichloroethene	20	21	105			64	137	
	Chloroform	20	20	100			67	138	
	1,1,1-Trichloroethane	20	20	100			65	132	
	Methylcyclohexane	20	20	100			56	137	
	Benzene	20	21	105			66	135	
	1,2-Dichloroethane	20	21	105			65	137	
	Trichloroethene	20	21	105			65	134	
	1,2-Dichloropropane	20	20	100			68	137	
	Bromodichloromethane	20	21	105			67	134	
	4-Methyl-2-Pentanone	100	110	110			63	146	
	Toluene	20	21	105			67	133	
	t-1,3-Dichloropropene	20	21	105			66	135	
	cis-1,3-Dichloropropene	20	20	100			66	132	
	1,1,2-Trichloroethane	20	20	100			67	136	
	2-Hexanone	100	100	100			56	153	
	Dibromochloromethane	20	21	105			64	137	
	1,2-Dibromoethane	20	21	105			66	137	
	Tetrachloroethene	20	23	115			37	178	
	Chlorobenzene	20	21	105			67	133	
	Ethyl Benzene	20	21	105			66	133	
	m/p-Xylenes	40	41	103			65	134	
	o-Xylene	20	21	105			65	134	
	Styrene	20	21	105			65	136	
	Bromoform	20	21	105			56	157	
	Isopropylbenzene	20	20	100			66	133	
	1,1,2,2-Tetrachloroethane	20	21	105			63	136	
	1,3-Dichlorobenzene	20	20	100			66	131	
	1,4-Dichlorobenzene	20	21	105			65	131	
	1,2-Dichlorobenzene	20	21	105			66	132	
	1,2-Dibromo-3-Chloropropane	20	21	105			54	141	
	1,2,4-Trichlorobenzene	20	21	105			61	133	

CHEMTECH

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF1021W1

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG NO.: B3953

Lab File ID: VF024141.D Lab Sample ID: VBF1021W1

Date Analyzed: 10/21/2010 Time Analyzed: 15:29

GC Column: RTX-VMS ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAF

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF1021W1	BSF1021W1	VF024142.D	10/21/2010
TRIPBLANK	B3953-03	VF024145.D	10/21/2010
MW-1	B3953-01	VF024146.D	10/21/2010
MW-X	B3953-02	VF024147.D	10/21/2010
MW-3	B3953-04	VF024148.D	10/21/2010
MW-3MS	B3953-05MS	VF024149.D	10/21/2010
MW-3MSD	B3953-06MSD	VF024150.D	10/21/2010

COMMENTS:

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBF1021W1

Lab Name: Chemtech Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG No.: B3953

Matrix (soil/water): WATER Lab Sample ID: VBF1021W1

Sample wt/vol: 5 (g/mL) ml Lab File ID: VF024141.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. 100 Date Analyzed: 10/21/10

GC Column: RTX-VMS ID: 0.53 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U
75-35-4	1,1-Dichloroethene	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	1	U
1634-04-4	Methyl tert-butyl Ether	1	U
79-20-9	Methyl Acetate	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
110-82-7	Cyclohexane	1	U
78-93-3	2-Butanone	5	U
56-23-5	Carbon Tetrachloride	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
108-87-2	Methylcyclohexane	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	1	U

CHEMTECH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBF1021W1

Lab Name: Chemtech Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG No.: B3953

Matrix (soil/water): WATER Lab Sample ID: VBF1021W1

Sample wt/vol: 5 (g/mL) ml Lab File ID: VF024141.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. 100 Date Analyzed: 10/21/10

GC Column: RTX-VMS ID: 0.53 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
10061-02-6	t-1,3-Dichloropropene	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
127-18-4	Tetrachloroethene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethyl Benzene	1	U
179601-23-1	m/p-Xylenes	2	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG NO.: B3953

Lab File ID: VF024138.D Date Analyzed: 10/21/2010

Instrument ID: MSVOAF Time Analyzed: 13:24

GC Column: RTX-VMS ID: 0.53 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1580330	3.25	2912785	3.66	2625833	6.56
UPPER LIMIT	3160660	3.75	5825570	4.16	5251666	7.06
LOWER LIMIT	790165	2.75	1456393	3.16	1312917	6.06
EPA SAMPLE NO.						
MW-1	1358955	3.24	2575464	3.66	2490803	6.55
MW-X	1318039	3.24	2500826	3.66	2383702	6.55
TRIPBLANK	1420793	3.25	2660995	3.65	2532729	6.55
MW-3	1262595	3.24	2422718	3.65	2304789	6.55
MW-3MS	1172101	3.24	2300877	3.66	2285580	6.55
MW-3MSD	1243651	3.24	2421615	3.65	2376044	6.55
BSF1021W1	1603333	3.25	2965610	3.66	2615121	6.55
VBF1021W1	1457309	3.25	2703954	3.66	2573898	6.55

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG NO.: B3953

Lab File ID: VF024138.D Date Analyzed: 10/21/2010

Instrument ID: MSVOAF Time Analyzed: 13:24

GC Column: RTX-VMS ID: 0.53 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	1346720	8.98				
UPPER LIMIT	2693440	9.48				
LOWER LIMIT	673360	8.48				
EPA SAMPLE NO.						
MW-1	1327427	8.97				
MW-X	1282271	8.97				
TRIPBLANK	1374779	8.98				
MW-3	1248539	8.98				
MW-3MS	1261948	8.98				
MW-3MSD	1283931	8.98				
BSF1021W1	1352545	8.98				
VBF1021W1	1403508	8.98				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: Chemtech Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG No.: B3953

Matrix (soil/water): WATER Lab Sample ID: B3953-01

Sample wt/vol: 930 (g/mL) ml Lab File ID: BE067034.D

Level: (low/med) LOW Date Received: 10/20/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 10/22/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/23/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 6 Extraction: (Type) SEPF

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
100-52-7	Benzaldehyde	11	U
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2-oxybis(1-Chloropropane)	11	U
98-86-2	Acetophenone	11	U
65794-96-9	3+4-Methylphenols	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
105-60-2	Caprolactam	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
92-52-4	1,1-Biphenyl	11	U
91-58-7	2-Chloronaphthalene	11	U

Comments:

CHEMTECH

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: Chemtech Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG No.: B3953

Matrix (soil/water): WATER Lab Sample ID: B3953-01

Sample wt/vol: 930 (g/mL) ml Lab File ID: BE067034.D

Level: (low/med) LOW Date Received: 10/20/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 10/22/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/23/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 6 Extraction: (Type) SEPF

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
88-74-4	2-Nitroaniline	11	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	11	U
83-32-9	Acenaphthene	11	U
51-28-5	2,4-Dinitrophenol	11	U
100-02-7	4-Nitrophenol	11	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	11	U
534-52-1	4,6-Dinitro-2-methylphenol	11	U
86-30-6	N-Nitrosodiphenylamine	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
1912-24-9	Atrazine	11	U
87-86-5	Pentachlorophenol	11	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U

Comments:

CHEMTECH

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: Chemtech Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG No.: B3953

Matrix (soil/water): WATER Lab Sample ID: B3953-01

Sample wt/vol: 930 (g/mL) ml Lab File ID: BE067034.D

Level: (low/med) LOW Date Received: 10/20/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 10/22/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/23/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 6 Extraction: (Type) SEPF

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

Comments:

CHEMTECH

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-X

Lab Name: Chemtech Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG No.: B3953

Matrix (soil/water): WATER Lab Sample ID: B3953-02

Sample wt/vol: 930 (g/mL) ml Lab File ID: BE067035.D

Level: (low/med) LOW Date Received: 10/20/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 10/22/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/23/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 6 Extraction: (Type) SEPF

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
100-52-7	Benzaldehyde	11	U
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2-oxybis(1-Chloropropane)	11	U
98-86-2	Acetophenone	11	U
65794-96-9	3+4-Methylphenols	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
105-60-2	Caprolactam	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
92-52-4	1,1-Biphenyl	11	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	11	U
131-11-3	Dimethylphthalate	11	U

Comments:

CHEMTECH

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-X

Lab Name: Chemtech Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG No.: B3953

Matrix (soil/water): WATER Lab Sample ID: B3953-02

Sample wt/vol: 930 (g/mL) ml Lab File ID: BE067035.D

Level: (low/med) LOW Date Received: 10/20/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 10/22/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/23/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 6 Extraction: (Type) SEPF

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	11	U
83-32-9	Acenaphthene	11	U
51-28-5	2,4-Dinitrophenol	11	U
100-02-7	4-Nitrophenol	11	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	11	U
534-52-1	4,6-Dinitro-2-methylphenol	11	U
86-30-6	N-Nitrosodiphenylamine	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
1912-24-9	Atrazine	11	U
87-86-5	Pentachlorophenol	11	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U

Comments:

CHEMTECH

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-X

Lab Name: Chemtech Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG No.: B3953

Matrix (soil/water): WATER Lab Sample ID: B3953-02

Sample wt/vol: 930 (g/mL) ml Lab File ID: BE067035.D

Level: (low/med) LOW Date Received: 10/20/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 10/22/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/23/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 6 Extraction: (Type) SEPF

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

Comments:

CHEMTECH

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: Chemtech Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG No.: B3953

Matrix (soil/water): WATER Lab Sample ID: B3953-04

Sample wt/vol: 930 (g/mL) ml Lab File ID: BE067036.D

Level: (low/med) LOW Date Received: 10/20/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 10/22/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/23/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 6 Extraction: (Type) SEPF

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
100-52-7	Benzaldehyde	11	U
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2-oxybis(1-Chloropropane)	11	U
98-86-2	Acetophenone	11	U
65794-96-9	3+4-Methylphenols	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
105-60-2	Caprolactam	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
92-52-4	1,1-Biphenyl	11	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	11	U
131-11-3	Dimethylphthalate	11	U

Comments:

CHEMTECH

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: Chemtech Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG No.: B3953

Matrix (soil/water): WATER Lab Sample ID: B3953-04

Sample wt/vol: 930 (g/mL) ml Lab File ID: BE067036.D

Level: (low/med) LOW Date Received: 10/20/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 10/22/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/23/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 6 Extraction: (Type) SEPF

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	11	U
83-32-9	Acenaphthene	11	U
51-28-5	2,4-Dinitrophenol	11	U
100-02-7	4-Nitrophenol	11	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	11	U
534-52-1	4,6-Dinitro-2-methylphenol	11	U
86-30-6	N-Nitrosodiphenylamine	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
1912-24-9	Atrazine	11	U
87-86-5	Pentachlorophenol	11	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U

Comments:

CHEMTECH

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: Chemtech Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG No.: B3953

Matrix (soil/water): WATER Lab Sample ID: B3953-04

Sample wt/vol: 930 (g/mL) ml Lab File ID: BE067036.D

Level: (low/med) LOW Date Received: 10/20/10

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 10/22/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/23/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: 6 Extraction: (Type) SEPF

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

Comments:

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: B3953

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
Client ID	**MW-1**								
B3953-01	MW-1	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	7.800	AB	0	0	ug/L
B3953-01	MW-1	WATER	unknown14.07	*	3.200	JB	0	0	ug/L
B3953-01	MW-1	WATER	unknown3.26	*	2.600	J	0	0	ug/L
			Total Tics :			**13.60**			
			Total Concentration:			**13.60**			
Client ID	**MW-3**								
B3953-04	MW-3	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	10.000	AB	0	0	ug/L
B3953-04	MW-3	WATER	unknown14.07	*	3.300	JB	0	0	ug/L
			Total Tics :			**13.30**			
			Total Concentration:			**13.30**			
Client ID	**MW-X**								
B3953-02	MW-X	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	9.100	AB	0	0	ug/L
B3953-02	MW-X	WATER	3-[(2-Methyl-5-nitro-phenylimino	*	3.200	J	0	0	ug/L
B3953-02	MW-X	WATER	unknown3.26	*	2.800	J	0	0	ug/L
			Total Tics :			**15.10**			
			Total Concentration:			**15.10**			

CHEMTECH

Surrogate Summary

SW-846

SDG No.: B3953

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
B3953-01	MW-1	2-Fluorophenol	150	72.66	48		10	160
		Phenol-d5	150	48.00	32		10	160
		Nitrobenzene-d5	100	64.84	65		20	139
		2-Fluorobiphenyl	100	79.47	79		10	173
		2,4,6-Tribromophenol	150	182.13	121		10	169
		Terphenyl-d14	100	103.55	104		20	171
B3953-02	MW-X	2-Fluorophenol	150	86.36	58		10	160
		Phenol-d5	150	58.64	39		10	160
		Nitrobenzene-d5	100	75.69	76		20	139
		2-Fluorobiphenyl	100	87.72	88		10	173
		2,4,6-Tribromophenol	150	186.80	125		10	169
		Terphenyl-d14	100	98.90	99		20	171
B3953-04	MW-3	2-Fluorophenol	150	100.83	67		10	160
		Phenol-d5	150	67.88	45		10	160
		Nitrobenzene-d5	100	85.36	85		20	139
		2-Fluorobiphenyl	100	96.91	97		10	173
		2,4,6-Tribromophenol	150	187.43	125		10	169
		Terphenyl-d14	100	99.85	100		20	171
B3953-05MS	MW-3MS	2-Fluorophenol	150	95.25	64		10	160
		Phenol-d5	150	60.15	40		10	160
		Nitrobenzene-d5	100	87.41	87		20	139
		2-Fluorobiphenyl	100	94.75	95		10	173
		2,4,6-Tribromophenol	150	184.06	123		10	169
		Terphenyl-d14	100	97.56	98		20	171
B3953-06MSD	MW-3MSD	2-Fluorophenol	150	107.45	72		10	160
		Phenol-d5	150	72.08	48		10	160
		Nitrobenzene-d5	100	90.86	91		20	139
		2-Fluorobiphenyl	100	94.99	95		10	173
		2,4,6-Tribromophenol	150	174.76	117		10	169
		Terphenyl-d14	100	95.30	95		20	171
PB51980B	PB51980B	2-Fluorophenol	150	102.05	68		10	160
		Phenol-d5	150	61.86	41		10	160
		Nitrobenzene-d5	100	101.02	101		20	139
		2-Fluorobiphenyl	100	104.51	105		10	173
		2,4,6-Tribromophenol	150	181.18	121		10	169
		Terphenyl-d14	100	108.51	109		20	171
PB51980BS	PB51980BS	2-Fluorophenol	150	112.59	75		10	160
		Phenol-d5	150	71.22	47		10	160
		Nitrobenzene-d5	100	98.32	98		20	139
		2-Fluorobiphenyl	100	101.54	102		10	173
		2,4,6-Tribromophenol	150	185.43	124		10	169
		Terphenyl-d14	100	105.82	106		20	171

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: B3953

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: B3953-05MS	**Client Sample ID: MW-3MS**									
Benzaldehyde	50	0	30	60				10	160	
Phenol	50	0	18	36				10	161	
bis(2-Chloroethyl)ether	50	0	41	82				27	159	
2-Chlorophenol	50	0	40	80				10	148	
2-Methylphenol	50	0	35	70				10	150	
2,2-oxybis(1-Chloropropane)	50	0	40	80				30	151	
Acetophenone	50	0	44	88				42	139	
3+4-Methylphenols	50	0	32	64				10	131	
N-Nitroso-di-n-propylamine	50	0	40	80				22	167	
Hexachloroethane	50	0	42	84				13	140	
Nitrobenzene	50	0	43	86				24	157	
Isophorone	50	0	41	82				23	168	
2-Nitrophenol	50	0	42	84				10	166	
2,4-Dimethylphenol	50	0	39	78				10	153	
bis(2-Chloroethoxy)methane	50	0	41	82				22	165	
2,4-Dichlorophenol	50	0	42	84				10	166	
Naphthalene	50	0	42	84				10	169	
4-Chloroaniline	50	0	22	44				10	161	
Hexachlorobutadiene	50	0	44	88				14	140	
Caprolactam	50	0	9.4	19				10	160	
4-Chloro-3-methylphenol	50	0	43	86				10	177	
2-Methylnaphthalene	50	0	42	84				25	151	
Hexachlorocyclopentadiene	100	0	95	95				10	145	
2,4,6-Trichlorophenol	50	0	46	92				10	155	
2,4,5-Trichlorophenol	50	0	47	94				10	173	
1,1-Biphenyl	50	0	46	92				35	142	
2-Chloronaphthalene	50	0	45	90				27	158	
2-Nitroaniline	50	0	46	92				22	178	
Dimethylphthalate	50	0	49	98				11	146	
Acenaphthylene	50	0	45	90				25	162	
2,6-Dinitrotoluene	50	0	48	96				33	168	
3-Nitroaniline	50	0	31	62				10	120	
Acenaphthene	50	0	46	92				19	166	
2,4-Dinitrophenol	100	0	100	100				10	192	
4-Nitrophenol	100	0	53	53				10	161	
Dibenzofuran	50	0	47	94				26	164	
2,4-Dinitrotoluene	50	0	48	96				27	172	
Diethylphthalate	50	0	49	98				31	158	
4-Chlorophenyl-phenylether	50	0	48	96				25	168	
Fluorene	50	0	48	96				18	171	
4-Nitroaniline	50	0	40	80				17	162	
4,6-Dinitro-2-methylphenol	50	0	52	104				10	203	
N-Nitrosodiphenylamine	50	0	49	98				26	167	
4-Bromophenyl-phenylether	50	0	50	100				44	155	
Hexachlorobenzene	50	0	50	100				31	160	
Atrazine	50	0	48	96				25	169	
Pentachlorophenol	100	0	120	120				10	179	
Phenanthrene	50	0	49	98				29	168	

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: B3953

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Anthracene	50	0	49	98				20	176	
Carbazole	50	0	49	98				36	171	
Di-n-butylphthalate	50	0	49	98				33	177	
Fluoranthene	50	0	49	98				23	174	
Pyrene	50	0	52	104				19	182	
Butylbenzylphthalate	50	0	50	100				37	172	
3,3-Dichlorobenzidine	50	0	26	52				10	160	
Benzo(a)anthracene	50	0	50	100				33	165	
Chrysene	50	0	50	100				37	163	
bis(2-Ethylhexyl)phthalate	50	0	50	100				35	180	
Di-n-octyl phthalate	50	0	50	100				36	179	
Benzo(b)fluoranthene	50	0	49	98				39	171	
Benzo(k)fluoranthene	50	0	51	102				36	171	
Benzo(a)pyrene	50	0	50	100				36	165	
Indeno(1,2,3-cd)pyrene	50	0	50	100				10	179	
Dibenz(a,h)anthracene	50	0	50	100				23	172	
Benzo(g,h,i)perylene	50	0	50	100				10	183	

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: B3953

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: B3953-06MSD	**Client Sample ID: MW-3MSD**									
Benzaldehyde	50	0	35	70		15		10	160	20
Phenol	50	0	22	44		20		10	161	20
bis(2-Chloroethyl)ether	50	0	45	90		9		27	159	20
2-Chlorophenol	50	0	44	88		10		10	148	20
2-Methylphenol	50	0	40	80		13		10	150	20
2,2-oxybis(1-Chloropropane)	50	0	43	86		7		30	151	20
Acetophenone	50	0	47	94		7		42	139	20
3+4-Methylphenols	50	0	37	74		14		10	131	20
N-Nitroso-di-n-propylamine	50	0	44	88		10		22	167	20
Hexachloroethane	50	0	44	88		5		13	140	20
Nitrobenzene	50	0	46	92		7		24	157	20
Isophorone	50	0	45	90		9		23	168	20
2-Nitrophenol	50	0	46	92		9		10	166	20
2,4-Dimethylphenol	50	0	42	84		7		10	153	20
bis(2-Chloroethoxy)methane	50	0	44	88		7		22	165	20
2,4-Dichlorophenol	50	0	46	92		9		10	166	20
Naphthalene	50	0	46	92		9		10	169	20
4-Chloroaniline	50	0	21	42		5		10	161	20
Hexachlorobutadiene	50	0	46	92		4		14	140	20
Caprolactam	50	0	11	22		15		10	160	20
4-Chloro-3-methylphenol	50	0	45	90		5		10	177	20
2-Methylnaphthalene	50	0	47	94		11		25	151	20
Hexachlorocyclopentadiene	100	0	110	110		15		10	145	20
2,4,6-Trichlorophenol	50	0	47	94		2		10	155	20
2,4,5-Trichlorophenol	50	0	47	94		0		10	173	20
1,1-Biphenyl	50	0	48	96		4		35	142	20
2-Chloronaphthalene	50	0	47	94		4		27	158	20
2-Nitroaniline	50	0	46	92		0		22	178	20
Dimethylphthalate	50	0	48	96		2		11	146	20
Acenaphthylene	50	0	46	92		2		25	162	20
2,6-Dinitrotoluene	50	0	49	98		2		33	168	20
3-Nitroaniline	50	0	28	56		10		10	120	20
Acenaphthene	50	0	46	92		0		19	166	20
2,4-Dinitrophenol	100	0	100	100		0		10	192	20
4-Nitrophenol	100	0	59	59		11		10	161	20
Dibenzofuran	50	0	48	96		2		26	164	20
2,4-Dinitrotoluene	50	0	48	96		0		27	172	20
Diethylphthalate	50	0	48	96		2		31	158	20
4-Chlorophenyl-phenylether	50	0	47	94		2		25	168	20
Fluorene	50	0	48	96		0		18	171	20
4-Nitroaniline	50	0	40	80		0		17	162	20
4,6-Dinitro-2-methylphenol	50	0	52	104		0		10	203	20
N-Nitrosodiphenylamine	50	0	49	98		0		26	167	20
4-Bromophenyl-phenylether	50	0	51	102		2		44	155	20
Hexachlorobenzene	50	0	50	100		0		31	160	20
Atrazine	50	0	50	100		4		25	169	20
Pentachlorophenol	100	0	120	120		0		10	179	20
Phenanthrene	50	0	50	100		2		29	168	20

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: B3953

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Anthracene	50	0	48	96		2		20	176	20
Carbazole	50	0	47	94		4		36	171	20
Di-n-butylphthalate	50	0	48	96		2		33	177	20
Fluoranthene	50	0	48	96		2		23	174	20
Pyrene	50	0	52	104		0		19	182	20
Butylbenzylphthalate	50	0	50	100		0		37	172	20
3,3-Dichlorobenzidine	50	0	29	58		11		10	160	20
Benzo(a)anthracene	50	0	51	102		2		33	165	20
Chrysene	50	0	50	100		0		37	163	20
bis(2-Ethylhexyl)phthalate	50	0	50	100		0		35	180	20
Di-n-octyl phthalate	50	0	50	100		0		36	179	20
Benzo(b)fluoranthene	50	0	50	100		2		39	171	20
Benzo(k)fluoranthene	50	0	52	104		2		36	171	20
Benzo(a)pyrene	50	0	50	100		0		36	165	20
Indeno(1,2,3-cd)pyrene	50	0	51	102		2		10	179	20
Dibenz(a,h)anthracene	50	0	51	102		2		23	172	20
Benzo(g,h,i)perylene	50	0	51	102		2		10	183	20

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: B3953

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB51980BS	Benzaldehyde	50	36	72				10	161	
	Phenol	50	20	40				10	132	
	bis(2-Chloroethyl)ether	50	46	92				38	127	
	2-Chlorophenol	50	43	86				10	148	
	2-Methylphenol	50	39	78				10	152	
	2,2-oxybis(1-Chloropropane)	50	44	88				46	118	
	Acetophenone	50	46	92				57	116	
	3+4-Methylphenols	50	35	70				10	152	
	N-Nitroso-di-n-propylamine	50	44	88				49	120	
	Hexachloroethane	50	42	84				26	152	
	Nitrobenzene	50	44	88				37	127	
	Isophorone	50	44	88				50	122	
	2-Nitrophenol	50	44	88				49	122	
	2,4-Dimethylphenol	50	43	86				10	119	
	bis(2-Chloroethoxy)methane	50	44	88				48	123	
	2,4-Dichlorophenol	50	45	90				10	124	
	Naphthalene	50	44	88				42	115	
	4-Chloroaniline	50	25	50				10	161	
	Hexachlorobutadiene	50	44	88				33	114	
	Caprolactam	50	9.4	19				10	161	
	4-Chloro-3-methylphenol	50	42	84				10	114	
	2-Methylnaphthalene	50	45	90				51	114	
	Hexachlorocyclopentadiene	100	100	100				10	155	
	2,4,6-Trichlorophenol	50	46	92				10	121	
	2,4,5-Trichlorophenol	50	45	90				10	123	
	1,1-Biphenyl	50	48	96				58	115	
	2-Chloronaphthalene	50	46	92				52	117	
	2-Nitroaniline	50	45	90				62	123	
	Dimethylphthalate	50	46	92				3	142	
	Acenaphthylene	50	45	90				52	118	
	2,6-Dinitrotoluene	50	46	92				65	120	
	3-Nitroaniline	50	33	66				10	120	
	Acenaphthene	50	45	90				51	118	
	2,4-Dinitrophenol	100	86	86				10	136	
	4-Nitrophenol	100	50	50				10	161	
	Dibenzofuran	50	46	92				61	115	
	2,4-Dinitrotoluene	50	46	92				68	122	
	Diethylphthalate	50	46	92				51	122	
	4-Chlorophenyl-phenylether	50	46	92				62	119	
	Fluorene	50	45	90				55	121	
	4-Nitroaniline	50	44	88				66	123	
	4,6-Dinitro-2-methylphenol	50	46	92				10	144	
	N-Nitrosodiphenylamine	50	47	94				64	119	
	4-Bromophenyl-phenylether	50	49	98				63	123	
	Hexachlorobenzene	50	49	98				45	136	
	Atrazine	50	50	100				61	132	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: B3953

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB51980BS	Pentachlorophenol	100	110	110				10	124	
	Phenanthrene	50	47	94				55	126	
	Anthracene	50	47	94				59	122	
	Carbazole	50	47	94				70	124	
	Di-n-butylphthalate	50	48	96				72	121	
	Fluoranthene	50	47	94				61	127	
	Pyrene	50	50	100				62	128	
	Butylbenzylphthalate	50	49	98				66	129	
	3,3-Dichlorobenzidine	50	37	74				10	160	
	Benzo(a)anthracene	50	49	98				52	136	
	Chrysene	50	48	96				55	136	
	bis(2-Ethylhexyl)phthalate	50	49	98				69	130	
	Di-n-octyl phthalate	50	49	98				66	131	
	Benzo(b)fluoranthene	50	51	102				48	149	
	Benzo(k)fluoranthene	50	46	92				54	138	
	Benzo(a)pyrene	50	48	96				55	139	
	Indeno(1,2,3-cd)pyrene	50	48	96				10	145	
	Dibenz(a,h)anthracene	50	49	98				45	150	
	Benzo(g,h,i)perylene	50	50	100				54	138	

CHEMTECH

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB51980B

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG NO.: B3953

Lab File ID: BE067024.D Lab Sample ID: PB51980B

Instrument ID: BNAE Date Extracted: 10/22/2010

Matrix: (soil/water) WATER Date Analyzed: 10/22/2010

Level: (low/med) LOW Time Analyzed: 19:18

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MW-3MSD	B3953-06MSD	BE067038.D	10/23/2010
MW-3MS	B3953-05MS	BE067037.D	10/23/2010
MW-3	B3953-04	BE067036.D	10/23/2010
MW-X	B3953-02	BE067035.D	10/23/2010
MW-1	B3953-01	BE067034.D	10/23/2010
PB51980BS	PB51980BS	BE067023.D	10/22/2010

COMMENTS:

CHEMTECH

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB51980B

Lab Name: Chemtech Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG No.: B3953

Matrix (soil/water): WATER Lab Sample ID: PB51980B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: BE067024.D

Level: (low/med) LOW Date Received:

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 10/22/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/22/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Extraction: (Type) SEPF

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
65794-96-9	3+4-Methylphenols	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
92-52-4	1,1-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U

Comments:

CHEMTECH

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB51980B

Lab Name: Chemtech Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG No.: B3953

Matrix (soil/water): WATER Lab Sample ID: PB51980B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: BE067024.D

Level: (low/med) LOW Date Received:

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 10/22/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/22/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Extraction: (Type) SEPF

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U

Comments:

CHEMTECH

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PB51980B

Lab Name: Chemtech Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG No.: B3953

Matrix (soil/water): WATER Lab Sample ID: PB51980B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: BE067024.D

Level: (low/med) LOW Date Received:

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 10/22/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/22/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Extraction: (Type) SEPF

Concentration Units:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

Comments:

CHEMTECH

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

PB51980B

Lab Name: Chemtech Contract: MALC02

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG No.: B3953

Matrix (soil/water): WATER Lab Sample ID: PB51980B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: BE067024.D

Level: (low/med) LOW Date Received:

% Moisture: 100 Decanted: (Y/N) N Date Extracted: 10/22/10

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/22/10

Injection Volume: 1 Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: Concentration Units: ug/L

Number TICS found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.68	10	A
104-76-7	1-Hexanol, 2-ethyl-	6.13	2.7	J
	unknown14.07	14.07	3.1	J

CHEMTECH

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG NO.: B3953

EPA Sample No.: SSTD040 Date Analyzed: 10/22/2010

Lab File ID: BE067021.D Time Analyzed: 17:43

Instrument ID: BNAE GC Column: RTX-5 SILMS ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	121757	6.01	443344	7.93	262891	10.48
	UPPER LIMIT	243514	6.51	886688	8.43	525782	10.98
	LOWER LIMIT	60878.5	5.51	221672	7.43	131445.5	9.98
	EPA SAMPLE NO.						
01	PB51980BS	139061	6.01	504108	7.93	278790	10.48
02	PB51980B	132991	6.01	481129	7.93	268937	10.47
03	MW-1	102303	6.01	368162	7.93	204617	10.47
04	MW-X	132399	6.01	478428	7.93	267142	10.47
05	MW-3	116509	6.01	415379	7.93	232229	10.47
06	MW-3MS	121304	6.01	431986	7.93	233932	10.48
07	MW-3MSD	137032	6.01	493926	7.93	275524	10.47

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: B3953 SAS No.: B3953 SDG NO.: B3953

EPA Sample No.: SSTD040 Date Analyzed: 10/22/2010

Lab File ID: BE067021.D Time Analyzed: 17:43

Instrument ID: BNAE GC Column: RTX-5 SILMS ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	510964	12.42	528665	15.71	453822	17.64
	UPPER LIMIT	1021928	12.92	1057330	16.21	907644	18.14
	LOWER LIMIT	255482	11.92	264332.5	15.21	226911	17.14
	EPA SAMPLE NO.						
01	PB51980BS	523083	12.42	496619	15.71	426182	17.63
02	PB51980B	521903	12.41	488770	15.70	437861	17.64
03	MW-1	398866	12.41	389660	15.70	339467	17.63
04	MW-X	523637	12.41	508444	15.70	448262	17.64
05	MW-3	450548	12.41	433642	15.70	385396	17.63
06	MW-3MS	446898	12.41	430871	15.70	376083	17.63
07	MW-3MSD	518496	12.41	486308	15.70	421589	17.63

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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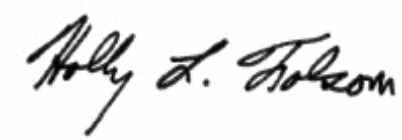
April 5, 2011

Stefan Bagnato
Malcolm Pirnie - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065

Project Location: Majestic Cleaners
Client Job Number:
Project Number: NY DEC 0266384-Majestic Cleaners
Laboratory Work Order Number: 11C0770

Enclosed are results of analyses for samples received by the laboratory on March 24, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Holly L. Folsom
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Malcolm Pirnie - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: Stefan Bagnato

REPORT DATE: 4/5/2011

PURCHASE ORDER NUMBER:

PROJECT NUMBER: NY DEC 0266384-Majestic Cleaners

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11C0770

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Majestic Cleaners

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
AA-1	11C0770-01	Ambient Air		EPA TO-15	
SV-1	11C0770-02	Soil Gas		EPA TO-15	
SV-2	11C0770-03	Soil Gas		EPA TO-15	
SV-X	11C0770-04	Soil Gas		EPA TO-15	
SV-3	11C0770-05	Soil Gas		EPA TO-15	
SV-4	11C0770-06	Soil Gas		EPA TO-15	
SV-5	11C0770-07	Soil Gas		EPA TO-15	
SV-6	11C0770-08	Soil Gas		EPA TO-15	
SV-7	11C0770-09	Soil Gas		EPA TO-15	
SV-8	11C0770-10	Soil Gas		EPA TO-15	
SV-9	11C0770-11	Soil Gas		EPA TO-15	
SV-10	11C0770-12	Soil Gas		EPA TO-15	
SV-11	11C0770-13	Soil Gas		EPA TO-15	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA TO-15

Qualifications:

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:

Tetrachloroethylene

B028215-DUP1

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), Benzyl chloride, Ethanol, Hexachlorobutadiene, Styrene, Vinyl Acetate

11C0770-09[SV-7], 11C0770-11[SV-9], 11C0770-12[SV-10], 11C0770-13[SV-11], B028216-BLK1, B028216-BS1, 11C0770-01[AA-1], 11C0770-02[SV-1], 11C0770-03[SV-2], 11C0770-04[SV-X], 11C0770-05[SV-3], 11C0770-06[SV-4], 11C0770-07[SV-5], 11C0770-08[SV-6], 11C0770-10[SV-8], B028215-BLK1, B028215-BS1, B028215-DUP1

Elevated reporting limit due to high concentration of target compounds. Requested detection limit not met.

Analyte & Samples(s) Qualified:

11C0770-09[SV-7], 11C0770-10[SV-8], 11C0770-11[SV-9], 11C0770-13[SV-11]

Elevated reporting limit due to high concentration of non-target compounds. Requested detection limit not met.

Analyte & Samples(s) Qualified:

11C0770-12[SV-10]

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Styrene

11C0770-01[AA-1], 11C0770-02[SV-1], 11C0770-03[SV-2], 11C0770-04[SV-X], 11C0770-05[SV-3], 11C0770-06[SV-4], 11C0770-07[SV-5], 11C0770-08[SV-6], 11C0770-10[SV-8], B028215-BLK1, B028215-BS1, B028215-DUP1, S000675-CCV1

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The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: AA-1
Sample ID: 11C0770-01
Sample Matrix: Ambient Air
Sampled: 3/22/2011 14:30

Sample Description/Location:
Sub Description/Location:
Canister ID: 1753
Canister Size: 6 liter
Flow Controller ID: 3023
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -15
Receipt Vacuum(in Hg): -14
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	5.8	0.35		14	0.83	0.702	3/30/11 20:50	WSD
Benzene	0.27	0.035		0.85	0.11	0.702	3/30/11 20:50	WSD
Benzyl chloride	ND	0.035		ND	0.18	0.702	3/30/11 20:50	WSD
Bromodichloromethane	ND	0.035		ND	0.24	0.702	3/30/11 20:50	WSD
Bromoform	ND	0.035		ND	0.36	0.702	3/30/11 20:50	WSD
Bromomethane	ND	0.035		ND	0.14	0.702	3/30/11 20:50	WSD
1,3-Butadiene	ND	0.035		ND	0.078	0.702	3/30/11 20:50	WSD
2-Butanone (MEK)	0.74	0.035		2.2	0.10	0.702	3/30/11 20:50	WSD
Carbon Disulfide	ND	0.035		ND	0.11	0.702	3/30/11 20:50	WSD
Carbon Tetrachloride	0.062	0.035		0.39	0.22	0.702	3/30/11 20:50	WSD
Chlorobenzene	ND	0.035		ND	0.16	0.702	3/30/11 20:50	WSD
Chloroethane	ND	0.035		ND	0.093	0.702	3/30/11 20:50	WSD
Chloroform	ND	0.035		ND	0.17	0.702	3/30/11 20:50	WSD
Chloromethane	0.46	0.035		0.96	0.072	0.702	3/30/11 20:50	WSD
Cyclohexane	ND	0.035		ND	0.12	0.702	3/30/11 20:50	WSD
Dibromochloromethane	ND	0.035		ND	0.30	0.702	3/30/11 20:50	WSD
1,2-Dibromoethane (EDB)	ND	0.035		ND	0.27	0.702	3/30/11 20:50	WSD
1,2-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/30/11 20:50	WSD
1,3-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/30/11 20:50	WSD
1,4-Dichlorobenzene	ND	0.035		ND	0.21	0.702	3/30/11 20:50	WSD
Dichlorodifluoromethane (Freon 12)	0.46	0.035		2.3	0.17	0.702	3/30/11 20:50	WSD
1,1-Dichloroethane	ND	0.035		ND	0.14	0.702	3/30/11 20:50	WSD
1,2-Dichloroethane	ND	0.035		ND	0.14	0.702	3/30/11 20:50	WSD
1,1-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/30/11 20:50	WSD
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/30/11 20:50	WSD
trans-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	3/30/11 20:50	WSD
1,2-Dichloropropane	ND	0.035		ND	0.16	0.702	3/30/11 20:50	WSD
cis-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	3/30/11 20:50	WSD
trans-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	3/30/11 20:50	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035		ND	0.25	0.702	3/30/11 20:50	WSD
Ethanol	3.3	0.35		6.3	0.66	0.702	3/30/11 20:50	WSD
Ethyl Acetate	ND	0.035		ND	0.13	0.702	3/30/11 20:50	WSD
Ethylbenzene	ND	0.035		ND	0.15	0.702	3/30/11 20:50	WSD
4-Ethyltoluene	ND	0.035		ND	0.17	0.702	3/30/11 20:50	WSD
Heptane	0.046	0.035		0.19	0.14	0.702	3/30/11 20:50	WSD
Hexachlorobutadiene	ND	0.035		ND	0.37	0.702	3/30/11 20:50	WSD
Hexane	0.18	0.035		0.64	0.12	0.702	3/30/11 20:50	WSD
2-Hexanone (MBK)	0.070	0.035	L-03	0.29	0.14	0.702	3/30/11 20:50	WSD

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: AA-1
Sample ID: 11C0770-01
Sample Matrix: Ambient Air
Sampled: 3/22/2011 14:30

Sample Description/Location:
Sub Description/Location:
Canister ID: 1753
Canister Size: 6 liter
Flow Controller ID: 3023
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -15
Receipt Vacuum(in Hg): -14
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	0.53	0.035		1.3	0.086	0.702	3/30/11 20:50	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.035		ND	0.13	0.702	3/30/11 20:50	WSD
Methylene Chloride	0.51	0.070		1.8	0.24	0.702	3/30/11 20:50	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.035	L-03	ND	0.14	0.702	3/30/11 20:50	WSD
Propene	ND	0.35		ND	0.60	0.702	3/30/11 20:50	WSD
Styrene	ND	0.035	L-03, V-05	ND	0.15	0.702	3/30/11 20:50	WSD
1,1,2,2-Tetrachloroethane	ND	0.035		ND	0.24	0.702	3/30/11 20:50	WSD
Tetrachloroethylene	0.079	0.035		0.53	0.24	0.702	3/30/11 20:50	WSD
Tetrahydrofuran	ND	0.035		ND	0.10	0.702	3/30/11 20:50	WSD
Toluene	0.44	0.035		1.7	0.13	0.702	3/30/11 20:50	WSD
1,2,4-Trichlorobenzene	ND	0.035		ND	0.26	0.702	3/30/11 20:50	WSD
1,1,1-Trichloroethane	ND	0.035		ND	0.19	0.702	3/30/11 20:50	WSD
1,1,2-Trichloroethane	ND	0.035		ND	0.19	0.702	3/30/11 20:50	WSD
Trichloroethylene	ND	0.035		ND	0.19	0.702	3/30/11 20:50	WSD
Trichlorofluoromethane (Freon 11)	0.22	0.035		1.2	0.20	0.702	3/30/11 20:50	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.070	0.035		0.54	0.27	0.702	3/30/11 20:50	WSD
1,2,4-Trimethylbenzene	0.054	0.035		0.27	0.17	0.702	3/30/11 20:50	WSD
1,3,5-Trimethylbenzene	ND	0.035		ND	0.17	0.702	3/30/11 20:50	WSD
Vinyl Acetate	ND	0.035	L-03	ND	0.12	0.702	3/30/11 20:50	WSD
Vinyl Chloride	ND	0.035		ND	0.090	0.702	3/30/11 20:50	WSD
m&p-Xylene	0.098	0.070		0.43	0.30	0.702	3/30/11 20:50	WSD
o-Xylene	0.039	0.035		0.17	0.15	0.702	3/30/11 20:50	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	106	70-130	3/30/11 20:50

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: SV-1
Sample ID: 11C0770-02
Sample Matrix: Soil Gas
Sampled: 3/22/2011 09:25

Sample Description/Location:
Sub Description/Location:
Canister ID: 1047
Canister Size: 6 liter
Flow Controller ID: 3191
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	3.5	1.0		8.4	2.4	2	3/30/11 22:07	WSD
Benzene	ND	0.10		ND	0.32	2	3/30/11 22:07	WSD
Benzyl chloride	ND	0.10		ND	0.52	2	3/30/11 22:07	WSD
Bromodichloromethane	ND	0.10		ND	0.67	2	3/30/11 22:07	WSD
Bromoform	ND	0.10		ND	1.0	2	3/30/11 22:07	WSD
Bromomethane	ND	0.10		ND	0.39	2	3/30/11 22:07	WSD
1,3-Butadiene	ND	0.10		ND	0.22	2	3/30/11 22:07	WSD
2-Butanone (MEK)	0.49	0.10		1.5	0.29	2	3/30/11 22:07	WSD
Carbon Disulfide	ND	0.10		ND	0.31	2	3/30/11 22:07	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	3/30/11 22:07	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	3/30/11 22:07	WSD
Chloroethane	ND	0.10		ND	0.26	2	3/30/11 22:07	WSD
Chloroform	0.44	0.10		2.1	0.49	2	3/30/11 22:07	WSD
Chloromethane	ND	0.10		ND	0.21	2	3/30/11 22:07	WSD
Cyclohexane	ND	0.10		ND	0.34	2	3/30/11 22:07	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	3/30/11 22:07	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	3/30/11 22:07	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	3/30/11 22:07	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	3/30/11 22:07	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	3/30/11 22:07	WSD
Dichlorodifluoromethane (Freon 12)	0.42	0.10		2.1	0.49	2	3/30/11 22:07	WSD
1,1-Dichloroethane	ND	0.10		ND	0.40	2	3/30/11 22:07	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	3/30/11 22:07	WSD
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	3/30/11 22:07	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	3/30/11 22:07	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	3/30/11 22:07	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	3/30/11 22:07	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	3/30/11 22:07	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	3/30/11 22:07	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	3/30/11 22:07	WSD
Ethanol	2.3	1.0		4.3	1.9	2	3/30/11 22:07	WSD
Ethyl Acetate	ND	0.10		ND	0.36	2	3/30/11 22:07	WSD
Ethylbenzene	ND	0.10		ND	0.43	2	3/30/11 22:07	WSD
4-Ethyltoluene	ND	0.10		ND	0.49	2	3/30/11 22:07	WSD
Heptane	ND	0.10		ND	0.41	2	3/30/11 22:07	WSD
Hexachlorobutadiene	ND	0.10		ND	1.1	2	3/30/11 22:07	WSD
Hexane	ND	0.10		ND	0.35	2	3/30/11 22:07	WSD
2-Hexanone (MBK)	ND	0.10	L-03	ND	0.41	2	3/30/11 22:07	WSD

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: SV-1
Sample ID: 11C0770-02
Sample Matrix: Soil Gas
Sampled: 3/22/2011 09:25

Sample Description/Location:
Sub Description/Location:
Canister ID: 1047
Canister Size: 6 liter
Flow Controller ID: 3191
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	0.27	0.10		0.66	0.25	2	3/30/11 22:07	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	3/30/11 22:07	WSD
Methylene Chloride	0.37	0.20		1.3	0.69	2	3/30/11 22:07	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.10	L-03	ND	0.41	2	3/30/11 22:07	WSD
Propene	ND	1.0		ND	1.7	2	3/30/11 22:07	WSD
Styrene	ND	0.10	L-03, V-05	ND	0.43	2	3/30/11 22:07	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	3/30/11 22:07	WSD
Tetrachloroethylene	240	1.0		1600	6.8	20	3/29/11 20:59	WSD
Tetrahydrofuran	ND	0.10		ND	0.29	2	3/30/11 22:07	WSD
Toluene	0.14	0.10		0.54	0.38	2	3/30/11 22:07	WSD
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	3/30/11 22:07	WSD
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	3/30/11 22:07	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	3/30/11 22:07	WSD
Trichloroethylene	0.55	0.10		2.9	0.54	2	3/30/11 22:07	WSD
Trichlorofluoromethane (Freon 11)	0.16	0.10		0.91	0.56	2	3/30/11 22:07	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.10		ND	0.77	2	3/30/11 22:07	WSD
1,2,4-Trimethylbenzene	ND	0.10		ND	0.49	2	3/30/11 22:07	WSD
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	3/30/11 22:07	WSD
Vinyl Acetate	ND	0.10	L-03	ND	0.35	2	3/30/11 22:07	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	3/30/11 22:07	WSD
m&p-Xylene	ND	0.20		ND	0.87	2	3/30/11 22:07	WSD
o-Xylene	ND	0.10		ND	0.43	2	3/30/11 22:07	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	102	70-130	3/29/11 20:59
4-Bromofluorobenzene (1)	107	70-130	3/30/11 22:07

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: SV-2
Sample ID: 11C0770-03
Sample Matrix: Soil Gas
Sampled: 3/22/2011 10:10

Sample Description/Location:
Sub Description/Location:
Canister ID: 1144
Canister Size: 6 liter
Flow Controller ID: 3171
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	21	1.0		49	2.4	2	3/30/11 23:22	WSD
Benzene	0.81	0.10		2.6	0.32	2	3/30/11 23:22	WSD
Benzyl chloride	ND	0.10		ND	0.52	2	3/30/11 23:22	WSD
Bromodichloromethane	ND	0.10		ND	0.67	2	3/30/11 23:22	WSD
Bromoform	ND	0.10		ND	1.0	2	3/30/11 23:22	WSD
Bromomethane	ND	0.10		ND	0.39	2	3/30/11 23:22	WSD
1,3-Butadiene	ND	0.10		ND	0.22	2	3/30/11 23:22	WSD
2-Butanone (MEK)	1.4	0.10		4.1	0.29	2	3/30/11 23:22	WSD
Carbon Disulfide	0.59	0.10		1.8	0.31	2	3/30/11 23:22	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	3/30/11 23:22	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	3/30/11 23:22	WSD
Chloroethane	ND	0.10		ND	0.26	2	3/30/11 23:22	WSD
Chloroform	ND	0.10		ND	0.49	2	3/30/11 23:22	WSD
Chloromethane	0.13	0.10		0.27	0.21	2	3/30/11 23:22	WSD
Cyclohexane	2.5	0.10		8.6	0.34	2	3/30/11 23:22	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	3/30/11 23:22	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	3/30/11 23:22	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	3/30/11 23:22	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	3/30/11 23:22	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	3/30/11 23:22	WSD
Dichlorodifluoromethane (Freon 12)	0.59	0.10		2.9	0.49	2	3/30/11 23:22	WSD
1,1-Dichloroethane	ND	0.10		ND	0.40	2	3/30/11 23:22	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	3/30/11 23:22	WSD
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	3/30/11 23:22	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	3/30/11 23:22	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	3/30/11 23:22	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	3/30/11 23:22	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	3/30/11 23:22	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	3/30/11 23:22	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	3/30/11 23:22	WSD
Ethanol	2.2	1.0		4.1	1.9	2	3/30/11 23:22	WSD
Ethyl Acetate	ND	0.10		ND	0.36	2	3/30/11 23:22	WSD
Ethylbenzene	0.26	0.10		1.1	0.43	2	3/30/11 23:22	WSD
4-Ethyltoluene	0.16	0.10		0.80	0.49	2	3/30/11 23:22	WSD
Heptane	2.1	0.10		8.8	0.41	2	3/30/11 23:22	WSD
Hexachlorobutadiene	ND	0.10		ND	1.1	2	3/30/11 23:22	WSD
Hexane	15	0.10		54	0.35	2	3/30/11 23:22	WSD
2-Hexanone (MBK)	ND	0.10	L-03	ND	0.41	2	3/30/11 23:22	WSD

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: SV-2
Sample ID: 11C0770-03
Sample Matrix: Soil Gas
Sampled: 3/22/2011 10:10

Sample Description/Location:
Sub Description/Location:
Canister ID: 1144
Canister Size: 6 liter
Flow Controller ID: 3171
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	0.10		ND	0.25	2	3/30/11 23:22	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	3/30/11 23:22	WSD
Methylene Chloride	0.74	0.20		2.6	0.69	2	3/30/11 23:22	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.10	L-03	ND	0.41	2	3/30/11 23:22	WSD
Propene	ND	1.0		ND	1.7	2	3/30/11 23:22	WSD
Styrene	ND	0.10	L-03, V-05	ND	0.43	2	3/30/11 23:22	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	3/30/11 23:22	WSD
Tetrachloroethylene	1.2	0.10		8.5	0.68	2	3/30/11 23:22	WSD
Tetrahydrofuran	ND	0.10		ND	0.29	2	3/30/11 23:22	WSD
Toluene	1.2	0.10		4.7	0.38	2	3/30/11 23:22	WSD
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	3/30/11 23:22	WSD
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	3/30/11 23:22	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	3/30/11 23:22	WSD
Trichloroethylene	ND	0.10		ND	0.54	2	3/30/11 23:22	WSD
Trichlorofluoromethane (Freon 11)	0.32	0.10		1.8	0.56	2	3/30/11 23:22	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.10		ND	0.77	2	3/30/11 23:22	WSD
1,2,4-Trimethylbenzene	0.78	0.10		3.8	0.49	2	3/30/11 23:22	WSD
1,3,5-Trimethylbenzene	0.20	0.10		0.98	0.49	2	3/30/11 23:22	WSD
Vinyl Acetate	ND	0.10	L-03	ND	0.35	2	3/30/11 23:22	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	3/30/11 23:22	WSD
m&p-Xylene	0.92	0.20		4.0	0.87	2	3/30/11 23:22	WSD
o-Xylene	0.36	0.10		1.6	0.43	2	3/30/11 23:22	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	109	70-130	3/30/11 23:22

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: SV-X
Sample ID: 11C0770-04
Sample Matrix: Soil Gas
Sampled: 3/22/2011 10:20

Sample Description/Location:
Sub Description/Location:
Canister ID: 1334
Canister Size: 6 liter
Flow Controller ID: 3201
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Acetone	12	1.0		30	2.4	2	3/31/11 0:00	WSD
Benzene	ND	0.10		ND	0.32	2	3/31/11 0:00	WSD
Benzyl chloride	ND	0.10		ND	0.52	2	3/31/11 0:00	WSD
Bromodichloromethane	ND	0.10		ND	0.67	2	3/31/11 0:00	WSD
Bromoform	ND	0.10		ND	1.0	2	3/31/11 0:00	WSD
Bromomethane	ND	0.10		ND	0.39	2	3/31/11 0:00	WSD
1,3-Butadiene	ND	0.10		ND	0.22	2	3/31/11 0:00	WSD
2-Butanone (MEK)	0.17	0.10		0.51	0.29	2	3/31/11 0:00	WSD
Carbon Disulfide	0.49	0.10		1.5	0.31	2	3/31/11 0:00	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	3/31/11 0:00	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	3/31/11 0:00	WSD
Chloroethane	ND	0.10		ND	0.26	2	3/31/11 0:00	WSD
Chloroform	ND	0.10		ND	0.49	2	3/31/11 0:00	WSD
Chloromethane	0.11	0.10		0.22	0.21	2	3/31/11 0:00	WSD
Cyclohexane	0.40	0.10		1.4	0.34	2	3/31/11 0:00	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	3/31/11 0:00	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	3/31/11 0:00	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	3/31/11 0:00	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	3/31/11 0:00	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	3/31/11 0:00	WSD
Dichlorodifluoromethane (Freon 12)	0.57	0.10		2.8	0.49	2	3/31/11 0:00	WSD
1,1-Dichloroethane	ND	0.10		ND	0.40	2	3/31/11 0:00	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	3/31/11 0:00	WSD
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	3/31/11 0:00	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	3/31/11 0:00	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	3/31/11 0:00	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	3/31/11 0:00	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	3/31/11 0:00	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	3/31/11 0:00	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	3/31/11 0:00	WSD
Ethanol	2.0	1.0		3.8	1.9	2	3/31/11 0:00	WSD
Ethyl Acetate	ND	0.10		ND	0.36	2	3/31/11 0:00	WSD
Ethylbenzene	ND	0.10		ND	0.43	2	3/31/11 0:00	WSD
4-Ethyltoluene	ND	0.10		ND	0.49	2	3/31/11 0:00	WSD
Heptane	ND	0.10		ND	0.41	2	3/31/11 0:00	WSD
Hexachlorobutadiene	ND	0.10		ND	1.1	2	3/31/11 0:00	WSD
Hexane	0.48	0.10		1.7	0.35	2	3/31/11 0:00	WSD
2-Hexanone (MBK)	ND	0.10	L-03	ND	0.41	2	3/31/11 0:00	WSD

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: SV-X
Sample ID: 11C0770-04
Sample Matrix: Soil Gas
Sampled: 3/22/2011 10:20

Sample Description/Location:
Sub Description/Location:
Canister ID: 1334
Canister Size: 6 liter
Flow Controller ID: 3201
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -3
Receipt Vacuum(in Hg): -1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	0.10		ND	0.25	2	3/31/11 0:00	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	3/31/11 0:00	WSD
Methylene Chloride	0.72	0.20		2.5	0.69	2	3/31/11 0:00	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.10	L-03	ND	0.41	2	3/31/11 0:00	WSD
Propene	ND	1.0		ND	1.7	2	3/31/11 0:00	WSD
Styrene	ND	0.10	L-03, V-05	ND	0.43	2	3/31/11 0:00	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	3/31/11 0:00	WSD
Tetrachloroethylene	ND	0.10		ND	0.68	2	3/31/11 0:00	WSD
Tetrahydrofuran	ND	0.10		ND	0.29	2	3/31/11 0:00	WSD
Toluene	ND	0.10		ND	0.38	2	3/31/11 0:00	WSD
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	3/31/11 0:00	WSD
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	3/31/11 0:00	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	3/31/11 0:00	WSD
Trichloroethylene	ND	0.10		ND	0.54	2	3/31/11 0:00	WSD
Trichlorofluoromethane (Freon 11)	0.24	0.10		1.4	0.56	2	3/31/11 0:00	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.10		ND	0.77	2	3/31/11 0:00	WSD
1,2,4-Trimethylbenzene	ND	0.10		ND	0.49	2	3/31/11 0:00	WSD
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	3/31/11 0:00	WSD
Vinyl Acetate	ND	0.10	L-03	ND	0.35	2	3/31/11 0:00	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	3/31/11 0:00	WSD
m&p-Xylene	ND	0.20		ND	0.87	2	3/31/11 0:00	WSD
o-Xylene	ND	0.10		ND	0.43	2	3/31/11 0:00	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	108	70-130	3/31/11 0:00

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: SV-3
Sample ID: 11C0770-05
Sample Matrix: Soil Gas
Sampled: 3/22/2011 09:55

Sample Description/Location:
Sub Description/Location:
Canister ID: 1007
Canister Size: 6 liter
Flow Controller ID: 3006
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	Results	RL	Flag	Results	RL	Dilution	Analyzed	Analyst
Acetone	ND	1.0		ND	2.4	2	3/31/11 0:38	WSD
Benzene	1.8	0.10		5.8	0.32	2	3/31/11 0:38	WSD
Benzyl chloride	ND	0.10		ND	0.52	2	3/31/11 0:38	WSD
Bromodichloromethane	ND	0.10		ND	0.67	2	3/31/11 0:38	WSD
Bromoform	ND	0.10		ND	1.0	2	3/31/11 0:38	WSD
Bromomethane	ND	0.10		ND	0.39	2	3/31/11 0:38	WSD
1,3-Butadiene	ND	0.10		ND	0.22	2	3/31/11 0:38	WSD
2-Butanone (MEK)	1.2	0.10		3.4	0.29	2	3/31/11 0:38	WSD
Carbon Disulfide	0.56	0.10		1.7	0.31	2	3/31/11 0:38	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	3/31/11 0:38	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	3/31/11 0:38	WSD
Chloroethane	ND	0.10		ND	0.26	2	3/31/11 0:38	WSD
Chloroform	0.36	0.10		1.8	0.49	2	3/31/11 0:38	WSD
Chloromethane	ND	0.10		ND	0.21	2	3/31/11 0:38	WSD
Cyclohexane	8.5	0.10		29	0.34	2	3/31/11 0:38	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	3/31/11 0:38	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	3/31/11 0:38	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	3/31/11 0:38	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	3/31/11 0:38	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	3/31/11 0:38	WSD
Dichlorodifluoromethane (Freon 12)	0.55	0.10		2.7	0.49	2	3/31/11 0:38	WSD
1,1-Dichloroethane	ND	0.10		ND	0.40	2	3/31/11 0:38	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	3/31/11 0:38	WSD
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	3/31/11 0:38	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	3/31/11 0:38	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	3/31/11 0:38	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	3/31/11 0:38	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	3/31/11 0:38	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	3/31/11 0:38	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	3/31/11 0:38	WSD
Ethanol	4.5	1.0		8.4	1.9	2	3/31/11 0:38	WSD
Ethyl Acetate	ND	0.10		ND	0.36	2	3/31/11 0:38	WSD
Ethylbenzene	0.63	0.10		2.7	0.43	2	3/31/11 0:38	WSD
4-Ethyltoluene	0.43	0.10		2.1	0.49	2	3/31/11 0:38	WSD
Heptane	0.34	0.10		1.4	0.41	2	3/31/11 0:38	WSD
Hexachlorobutadiene	ND	0.10		ND	1.1	2	3/31/11 0:38	WSD
Hexane	4.6	0.10		16	0.35	2	3/31/11 0:38	WSD
2-Hexanone (MBK)	ND	0.10	L-03	ND	0.41	2	3/31/11 0:38	WSD

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: SV-3
Sample ID: 11C0770-05
Sample Matrix: Soil Gas
Sampled: 3/22/2011 09:55

Sample Description/Location:
Sub Description/Location:
Canister ID: 1007
Canister Size: 6 liter
Flow Controller ID: 3006
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	0.99	0.10		2.4	0.25	2	3/31/11 0:38	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	3/31/11 0:38	WSD
Methylene Chloride	0.97	0.20		3.4	0.69	2	3/31/11 0:38	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.10	L-03	ND	0.41	2	3/31/11 0:38	WSD
Propene	ND	1.0		ND	1.7	2	3/31/11 0:38	WSD
Styrene	0.15	0.10	L-03, V-05	0.64	0.43	2	3/31/11 0:38	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	3/31/11 0:38	WSD
Tetrachloroethylene	2.2	0.10		15	0.68	2	3/31/11 0:38	WSD
Tetrahydrofuran	ND	0.10		ND	0.29	2	3/31/11 0:38	WSD
Toluene	2.4	0.10		9.2	0.38	2	3/31/11 0:38	WSD
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	3/31/11 0:38	WSD
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	3/31/11 0:38	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	3/31/11 0:38	WSD
Trichloroethylene	ND	0.10		ND	0.54	2	3/31/11 0:38	WSD
Trichlorofluoromethane (Freon 11)	0.30	0.10		1.7	0.56	2	3/31/11 0:38	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.10	0.10		0.78	0.77	2	3/31/11 0:38	WSD
1,2,4-Trimethylbenzene	1.0	0.10		5.0	0.49	2	3/31/11 0:38	WSD
1,3,5-Trimethylbenzene	0.24	0.10		1.2	0.49	2	3/31/11 0:38	WSD
Vinyl Acetate	ND	0.10	L-03	ND	0.35	2	3/31/11 0:38	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	3/31/11 0:38	WSD
m&p-Xylene	1.3	0.20		5.8	0.87	2	3/31/11 0:38	WSD
o-Xylene	1.1	0.10		4.6	0.43	2	3/31/11 0:38	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	110	70-130	3/31/11 0:38

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: SV-4
Sample ID: 11C0770-06
Sample Matrix: Soil Gas
Sampled: 3/22/2011 12:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1666
Canister Size: 6 liter
Flow Controller ID: 3353
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	Results	RL	Flag	Results	RL	Dilution	Analyzed	Analyst
Acetone	6.7	1.0		16	2.4	2	3/31/11 1:16	WSD
Benzene	ND	0.10		ND	0.32	2	3/31/11 1:16	WSD
Benzyl chloride	ND	0.10		ND	0.52	2	3/31/11 1:16	WSD
Bromodichloromethane	ND	0.10		ND	0.67	2	3/31/11 1:16	WSD
Bromoform	ND	0.10		ND	1.0	2	3/31/11 1:16	WSD
Bromomethane	ND	0.10		ND	0.39	2	3/31/11 1:16	WSD
1,3-Butadiene	ND	0.10		ND	0.22	2	3/31/11 1:16	WSD
2-Butanone (MEK)	0.51	0.10		1.5	0.29	2	3/31/11 1:16	WSD
Carbon Disulfide	0.20	0.10		0.62	0.31	2	3/31/11 1:16	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	3/31/11 1:16	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	3/31/11 1:16	WSD
Chloroethane	ND	0.10		ND	0.26	2	3/31/11 1:16	WSD
Chloroform	0.30	0.10		1.5	0.49	2	3/31/11 1:16	WSD
Chloromethane	0.23	0.10		0.48	0.21	2	3/31/11 1:16	WSD
Cyclohexane	ND	0.10		ND	0.34	2	3/31/11 1:16	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	3/31/11 1:16	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	3/31/11 1:16	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	3/31/11 1:16	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	3/31/11 1:16	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	3/31/11 1:16	WSD
Dichlorodifluoromethane (Freon 12)	0.44	0.10		2.2	0.49	2	3/31/11 1:16	WSD
1,1-Dichloroethane	ND	0.10		ND	0.40	2	3/31/11 1:16	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	3/31/11 1:16	WSD
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	3/31/11 1:16	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	3/31/11 1:16	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	3/31/11 1:16	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	3/31/11 1:16	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	3/31/11 1:16	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	3/31/11 1:16	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	3/31/11 1:16	WSD
Ethanol	4.4	1.0		8.3	1.9	2	3/31/11 1:16	WSD
Ethyl Acetate	ND	0.10		ND	0.36	2	3/31/11 1:16	WSD
Ethylbenzene	ND	0.10		ND	0.43	2	3/31/11 1:16	WSD
4-Ethyltoluene	ND	0.10		ND	0.49	2	3/31/11 1:16	WSD
Heptane	ND	0.10		ND	0.41	2	3/31/11 1:16	WSD
Hexachlorobutadiene	ND	0.10		ND	1.1	2	3/31/11 1:16	WSD
Hexane	0.12	0.10		0.42	0.35	2	3/31/11 1:16	WSD
2-Hexanone (MBK)	ND	0.10	L-03	ND	0.41	2	3/31/11 1:16	WSD

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: SV-4
Sample ID: 11C0770-06
Sample Matrix: Soil Gas
Sampled: 3/22/2011 12:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1666
Canister Size: 6 liter
Flow Controller ID: 3353
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	1.0	0.10		2.5	0.25	2	3/31/11 1:16	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	3/31/11 1:16	WSD
Methylene Chloride	0.76	0.20		2.6	0.69	2	3/31/11 1:16	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.10	L-03	ND	0.41	2	3/31/11 1:16	WSD
Propene	ND	1.0		ND	1.7	2	3/31/11 1:16	WSD
Styrene	ND	0.10	L-03, V-05	ND	0.43	2	3/31/11 1:16	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	3/31/11 1:16	WSD
Tetrachloroethylene	2.1	0.10		14	0.68	2	3/31/11 1:16	WSD
Tetrahydrofuran	ND	0.10		ND	0.29	2	3/31/11 1:16	WSD
Toluene	0.11	0.10		0.41	0.38	2	3/31/11 1:16	WSD
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	3/31/11 1:16	WSD
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	3/31/11 1:16	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	3/31/11 1:16	WSD
Trichloroethylene	ND	0.10		ND	0.54	2	3/31/11 1:16	WSD
Trichlorofluoromethane (Freon 11)	0.17	0.10		0.93	0.56	2	3/31/11 1:16	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.10		ND	0.77	2	3/31/11 1:16	WSD
1,2,4-Trimethylbenzene	ND	0.10		ND	0.49	2	3/31/11 1:16	WSD
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	3/31/11 1:16	WSD
Vinyl Acetate	ND	0.10	L-03	ND	0.35	2	3/31/11 1:16	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	3/31/11 1:16	WSD
m&p-Xylene	ND	0.20		ND	0.87	2	3/31/11 1:16	WSD
o-Xylene	ND	0.10		ND	0.43	2	3/31/11 1:16	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	109	70-130	3/31/11 1:16

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: SV-5
Sample ID: 11C0770-07
Sample Matrix: Soil Gas
Sampled: 3/22/2011 12:05

Sample Description/Location:
Sub Description/Location:
Canister ID: 1258
Canister Size: 6 liter
Flow Controller ID: 3093
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	22	1.0		51	2.4	2	3/31/11 1:54	WSD
Benzene	0.23	0.10		0.73	0.32	2	3/31/11 1:54	WSD
Benzyl chloride	ND	0.10		ND	0.52	2	3/31/11 1:54	WSD
Bromodichloromethane	ND	0.10		ND	0.67	2	3/31/11 1:54	WSD
Bromoform	ND	0.10		ND	1.0	2	3/31/11 1:54	WSD
Bromomethane	ND	0.10		ND	0.39	2	3/31/11 1:54	WSD
1,3-Butadiene	ND	0.10		ND	0.22	2	3/31/11 1:54	WSD
2-Butanone (MEK)	1.5	0.10		4.5	0.29	2	3/31/11 1:54	WSD
Carbon Disulfide	0.17	0.10		0.54	0.31	2	3/31/11 1:54	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	3/31/11 1:54	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	3/31/11 1:54	WSD
Chloroethane	ND	0.10		ND	0.26	2	3/31/11 1:54	WSD
Chloroform	0.16	0.10		0.76	0.49	2	3/31/11 1:54	WSD
Chloromethane	0.19	0.10		0.39	0.21	2	3/31/11 1:54	WSD
Cyclohexane	0.52	0.10		1.8	0.34	2	3/31/11 1:54	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	3/31/11 1:54	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	3/31/11 1:54	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	3/31/11 1:54	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	3/31/11 1:54	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	3/31/11 1:54	WSD
Dichlorodifluoromethane (Freon 12)	0.36	0.10		1.8	0.49	2	3/31/11 1:54	WSD
1,1-Dichloroethane	ND	0.10		ND	0.40	2	3/31/11 1:54	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	3/31/11 1:54	WSD
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	3/31/11 1:54	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	3/31/11 1:54	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	3/31/11 1:54	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	3/31/11 1:54	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	3/31/11 1:54	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	3/31/11 1:54	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	3/31/11 1:54	WSD
Ethanol	8.7	1.0		16	1.9	2	3/31/11 1:54	WSD
Ethyl Acetate	ND	0.10		ND	0.36	2	3/31/11 1:54	WSD
Ethylbenzene	0.33	0.10		1.4	0.43	2	3/31/11 1:54	WSD
4-Ethyltoluene	ND	0.10		ND	0.49	2	3/31/11 1:54	WSD
Heptane	0.61	0.10		2.5	0.41	2	3/31/11 1:54	WSD
Hexachlorobutadiene	ND	0.10		ND	1.1	2	3/31/11 1:54	WSD
Hexane	1.5	0.10		5.3	0.35	2	3/31/11 1:54	WSD
2-Hexanone (MBK)	ND	0.10	L-03	ND	0.41	2	3/31/11 1:54	WSD

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: SV-5
Sample ID: 11C0770-07
Sample Matrix: Soil Gas
Sampled: 3/22/2011 12:05

Sample Description/Location:
Sub Description/Location:
Canister ID: 1258
Canister Size: 6 liter
Flow Controller ID: 3093
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -26
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	2.7	0.10		6.7	0.25	2	3/31/11 1:54	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	3/31/11 1:54	WSD
Methylene Chloride	2.6	0.20		8.9	0.69	2	3/31/11 1:54	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.10	L-03	ND	0.41	2	3/31/11 1:54	WSD
Propene	ND	1.0		ND	1.7	2	3/31/11 1:54	WSD
Styrene	ND	0.10	L-03, V-05	ND	0.43	2	3/31/11 1:54	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	3/31/11 1:54	WSD
Tetrachloroethylene	4.6	0.10		32	0.68	2	3/31/11 1:54	WSD
Tetrahydrofuran	ND	0.10		ND	0.29	2	3/31/11 1:54	WSD
Toluene	9.5	0.10		36	0.38	2	3/31/11 1:54	WSD
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	3/31/11 1:54	WSD
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	3/31/11 1:54	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	3/31/11 1:54	WSD
Trichloroethylene	ND	0.10		ND	0.54	2	3/31/11 1:54	WSD
Trichlorofluoromethane (Freon 11)	0.11	0.10		0.63	0.56	2	3/31/11 1:54	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.10		ND	0.77	2	3/31/11 1:54	WSD
1,2,4-Trimethylbenzene	0.24	0.10		1.2	0.49	2	3/31/11 1:54	WSD
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	3/31/11 1:54	WSD
Vinyl Acetate	ND	0.10	L-03	ND	0.35	2	3/31/11 1:54	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	3/31/11 1:54	WSD
m&p-Xylene	0.74	0.20		3.2	0.87	2	3/31/11 1:54	WSD
o-Xylene	0.23	0.10		1.0	0.43	2	3/31/11 1:54	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	110	70-130	3/31/11 1:54

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: SV-6
Sample ID: 11C0770-08
Sample Matrix: Soil Gas
Sampled: 3/22/2011 13:20

Sample Description/Location:
Sub Description/Location:
Canister ID: 1158
Canister Size: 6 liter
Flow Controller ID: 3018
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	Results	RL	Flag	Results	RL	Dilution	Analyzed	Analyst
Acetone	34	1.0		80	2.4	2	3/31/11 2:31	WSD
Benzene	1.2	0.10		3.7	0.32	2	3/31/11 2:31	WSD
Benzyl chloride	ND	0.10		ND	0.52	2	3/31/11 2:31	WSD
Bromodichloromethane	ND	0.10		ND	0.67	2	3/31/11 2:31	WSD
Bromoform	ND	0.10		ND	1.0	2	3/31/11 2:31	WSD
Bromomethane	ND	0.10		ND	0.39	2	3/31/11 2:31	WSD
1,3-Butadiene	ND	0.10		ND	0.22	2	3/31/11 2:31	WSD
2-Butanone (MEK)	1.9	0.10		5.5	0.29	2	3/31/11 2:31	WSD
Carbon Disulfide	0.26	0.10		0.80	0.31	2	3/31/11 2:31	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	3/31/11 2:31	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	3/31/11 2:31	WSD
Chloroethane	ND	0.10		ND	0.26	2	3/31/11 2:31	WSD
Chloroform	0.18	0.10		0.88	0.49	2	3/31/11 2:31	WSD
Chloromethane	0.37	0.10		0.77	0.21	2	3/31/11 2:31	WSD
Cyclohexane	1.2	0.10		4.2	0.34	2	3/31/11 2:31	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	3/31/11 2:31	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	3/31/11 2:31	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	3/31/11 2:31	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	3/31/11 2:31	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	3/31/11 2:31	WSD
Dichlorodifluoromethane (Freon 12)	0.41	0.10		2.0	0.49	2	3/31/11 2:31	WSD
1,1-Dichloroethane	ND	0.10		ND	0.40	2	3/31/11 2:31	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	3/31/11 2:31	WSD
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	3/31/11 2:31	WSD
cis-1,2-Dichloroethylene	0.27	0.10		1.1	0.40	2	3/31/11 2:31	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	3/31/11 2:31	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	3/31/11 2:31	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	3/31/11 2:31	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	3/31/11 2:31	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	3/31/11 2:31	WSD
Ethanol	3.0	1.0		5.7	1.9	2	3/31/11 2:31	WSD
Ethyl Acetate	ND	0.10		ND	0.36	2	3/31/11 2:31	WSD
Ethylbenzene	0.44	0.10		1.9	0.43	2	3/31/11 2:31	WSD
4-Ethyltoluene	0.22	0.10		1.1	0.49	2	3/31/11 2:31	WSD
Heptane	1.5	0.10		6.1	0.41	2	3/31/11 2:31	WSD
Hexachlorobutadiene	ND	0.10		ND	1.1	2	3/31/11 2:31	WSD
Hexane	10	0.10		36	0.35	2	3/31/11 2:31	WSD
2-Hexanone (MBK)	0.19	0.10	L-03	0.77	0.41	2	3/31/11 2:31	WSD

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: SV-6
Sample ID: 11C0770-08
Sample Matrix: Soil Gas
Sampled: 3/22/2011 13:20

Sample Description/Location:
Sub Description/Location:
Canister ID: 1158
Canister Size: 6 liter
Flow Controller ID: 3018
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	0.10		ND	0.25	2	3/31/11 2:31	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	3/31/11 2:31	WSD
Methylene Chloride	4.8	0.20		17	0.69	2	3/31/11 2:31	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.10	L-03	ND	0.41	2	3/31/11 2:31	WSD
Propene	ND	1.0		ND	1.7	2	3/31/11 2:31	WSD
Styrene	ND	0.10	L-03, V-05	ND	0.43	2	3/31/11 2:31	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	3/31/11 2:31	WSD
Tetrachloroethylene	38	0.10		260	0.68	2	3/31/11 2:31	WSD
Tetrahydrofuran	ND	0.10		ND	0.29	2	3/31/11 2:31	WSD
Toluene	2.8	0.10		11	0.38	2	3/31/11 2:31	WSD
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	3/31/11 2:31	WSD
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	3/31/11 2:31	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	3/31/11 2:31	WSD
Trichloroethylene	1.5	0.10		8.0	0.54	2	3/31/11 2:31	WSD
Trichlorofluoromethane (Freon 11)	0.38	0.10		2.1	0.56	2	3/31/11 2:31	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.10		ND	0.77	2	3/31/11 2:31	WSD
1,2,4-Trimethylbenzene	0.97	0.10		4.7	0.49	2	3/31/11 2:31	WSD
1,3,5-Trimethylbenzene	0.25	0.10		1.2	0.49	2	3/31/11 2:31	WSD
Vinyl Acetate	ND	0.10	L-03	ND	0.35	2	3/31/11 2:31	WSD
Vinyl Chloride	0.22	0.10		0.57	0.26	2	3/31/11 2:31	WSD
m&p-Xylene	1.5	0.20		6.7	0.87	2	3/31/11 2:31	WSD
o-Xylene	0.61	0.10		2.6	0.43	2	3/31/11 2:31	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	109	70-130	3/31/11 2:31

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: SV-7
Sample ID: 11C0770-09
Sample Matrix: Soil Gas
Sampled: 3/22/2011 13:23

Sample Description/Location:
Sub Description/Location:
Canister ID: 1504
Canister Size: 6 liter
Flow Controller ID: 3041
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Sample Flags: RL-01

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	45	10		110	24	20	3/30/11 1:10	WSD
Benzene	310	1.0		980	3.2	20	3/30/11 1:10	WSD
Benzyl chloride	ND	1.0	L-03	ND	5.2	20	3/30/11 1:10	WSD
Bromodichloromethane	ND	1.0		ND	6.7	20	3/30/11 1:10	WSD
Bromoform	ND	1.0		ND	10	20	3/30/11 1:10	WSD
Bromomethane	ND	1.0		ND	3.9	20	3/30/11 1:10	WSD
1,3-Butadiene	ND	1.0		ND	2.2	20	3/30/11 1:10	WSD
2-Butanone (MEK)	6.5	1.0		19	2.9	20	3/30/11 1:10	WSD
Carbon Disulfide	26	1.0		82	3.1	20	3/30/11 1:10	WSD
Carbon Tetrachloride	ND	1.0		ND	6.3	20	3/30/11 1:10	WSD
Chlorobenzene	ND	1.0		ND	4.6	20	3/30/11 1:10	WSD
Chloroethane	170	1.0		450	2.6	20	3/30/11 1:10	WSD
Chloroform	ND	1.0		ND	4.9	20	3/30/11 1:10	WSD
Chloromethane	ND	1.0		ND	2.1	20	3/30/11 1:10	WSD
Cyclohexane	96	1.0		330	3.4	20	3/30/11 1:10	WSD
Dibromochloromethane	ND	1.0		ND	8.5	20	3/30/11 1:10	WSD
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	3/30/11 1:10	WSD
1,2-Dichlorobenzene	ND	1.0	L-03	ND	6.0	20	3/30/11 1:10	WSD
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	3/30/11 1:10	WSD
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	3/30/11 1:10	WSD
Dichlorodifluoromethane (Freon 12)	ND	1.0		ND	4.9	20	3/30/11 1:10	WSD
1,1-Dichloroethane	ND	1.0		ND	4.0	20	3/30/11 1:10	WSD
1,2-Dichloroethane	ND	1.0		ND	4.0	20	3/30/11 1:10	WSD
1,1-Dichloroethylene	510	1.0		2000	4.0	20	3/30/11 1:10	WSD
cis-1,2-Dichloroethylene	110000	200		440000	790	4000	3/31/11 3:46	WSD
trans-1,2-Dichloroethylene	1200	200		4800	790	4000	3/31/11 3:46	WSD
1,2-Dichloropropane	ND	1.0		ND	4.6	20	3/30/11 1:10	WSD
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	3/30/11 1:10	WSD
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	3/30/11 1:10	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	3/30/11 1:10	WSD
Ethanol	ND	10	L-03	ND	19	20	3/30/11 1:10	WSD
Ethyl Acetate	ND	1.0		ND	3.6	20	3/30/11 1:10	WSD
Ethylbenzene	19	1.0		82	4.3	20	3/30/11 1:10	WSD
4-Ethyltoluene	18	1.0		88	4.9	20	3/30/11 1:10	WSD
Heptane	38	1.0		150	4.1	20	3/30/11 1:10	WSD
Hexachlorobutadiene	ND	1.0	L-03	ND	11	20	3/30/11 1:10	WSD
Hexane	93	1.0		330	3.5	20	3/30/11 1:10	WSD
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	3/30/11 1:10	WSD

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: SV-7
Sample ID: 11C0770-09
Sample Matrix: Soil Gas
Sampled: 3/22/2011 13:23

Sample Description/Location:
Sub Description/Location:
Canister ID: 1504
Canister Size: 6 liter
Flow Controller ID: 3041
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Sample Flags: RL-01

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	1.3	1.0		3.2	2.5	20	3/30/11 1:10	WSD
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6	20	3/30/11 1:10	WSD
Methylene Chloride	3.6	2.0		12	6.9	20	3/30/11 1:10	WSD
4-Methyl-2-pentanone (MIBK)	ND	1.0	L-03	ND	4.1	20	3/30/11 1:10	WSD
Propene	ND	10		ND	17	20	3/30/11 1:10	WSD
Styrene	ND	1.0		ND	4.3	20	3/30/11 1:10	WSD
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	3/30/11 1:10	WSD
Tetrachloroethylene	12000	200		79000	1400	4000	3/31/11 3:46	WSD
Tetrahydrofuran	ND	1.0		ND	2.9	20	3/30/11 1:10	WSD
Toluene	48	1.0		180	3.8	20	3/30/11 1:10	WSD
1,2,4-Trichlorobenzene	ND	1.0	L-03	ND	7.4	20	3/30/11 1:10	WSD
1,1,1-Trichloroethane	ND	1.0		ND	5.5	20	3/30/11 1:10	WSD
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	3/30/11 1:10	WSD
Trichloroethylene	4500	200		24000	1100	4000	3/31/11 3:46	WSD
Trichlorofluoromethane (Freon 11)	ND	1.0		ND	5.6	20	3/30/11 1:10	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0		ND	7.7	20	3/30/11 1:10	WSD
1,2,4-Trimethylbenzene	49	1.0		240	4.9	20	3/30/11 1:10	WSD
1,3,5-Trimethylbenzene	39	1.0		190	4.9	20	3/30/11 1:10	WSD
Vinyl Acetate	ND	1.0		ND	3.5	20	3/30/11 1:10	WSD
Vinyl Chloride	130000	200		330000	510	4000	3/31/11 3:46	WSD
m&p-Xylene	72	2.0		310	8.7	20	3/30/11 1:10	WSD
o-Xylene	82	1.0		360	4.3	20	3/30/11 1:10	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	110	70-130	3/31/11 3:46
4-Bromofluorobenzene (1)	106	70-130	3/30/11 1:10

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: SV-8
Sample ID: 11C0770-10
Sample Matrix: Soil Gas
Sampled: 3/22/2011 13:40

Sample Description/Location:
Sub Description/Location:
Canister ID: 1855
Canister Size: 6 liter
Flow Controller ID: 3219
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Sample Flags: RL-01

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	89	20		210	48	40	3/31/11 7:30	WSD
Benzene	24	2.0		75	6.4	40	3/31/11 7:30	WSD
Benzyl chloride	ND	2.0		ND	10	40	3/31/11 7:30	WSD
Bromodichloromethane	ND	2.0		ND	13	40	3/31/11 7:30	WSD
Bromoform	ND	2.0		ND	21	40	3/31/11 7:30	WSD
Bromomethane	ND	2.0		ND	7.8	40	3/31/11 7:30	WSD
1,3-Butadiene	ND	2.0		ND	4.4	40	3/31/11 7:30	WSD
2-Butanone (MEK)	7.0	2.0		21	5.9	40	3/31/11 7:30	WSD
Carbon Disulfide	2.2	2.0		7.0	6.2	40	3/31/11 7:30	WSD
Carbon Tetrachloride	ND	2.0		ND	13	40	3/31/11 7:30	WSD
Chlorobenzene	ND	2.0		ND	9.2	40	3/31/11 7:30	WSD
Chloroethane	ND	2.0		ND	5.3	40	3/31/11 7:30	WSD
Chloroform	14	2.0		70	9.8	40	3/31/11 7:30	WSD
Chloromethane	ND	2.0		ND	4.1	40	3/31/11 7:30	WSD
Cyclohexane	ND	2.0		ND	6.9	40	3/31/11 7:30	WSD
Dibromochloromethane	ND	2.0		ND	17	40	3/31/11 7:30	WSD
1,2-Dibromoethane (EDB)	ND	2.0		ND	15	40	3/31/11 7:30	WSD
1,2-Dichlorobenzene	ND	2.0		ND	12	40	3/31/11 7:30	WSD
1,3-Dichlorobenzene	ND	2.0		ND	12	40	3/31/11 7:30	WSD
1,4-Dichlorobenzene	ND	2.0		ND	12	40	3/31/11 7:30	WSD
Dichlorodifluoromethane (Freon 12)	ND	2.0		ND	9.9	40	3/31/11 7:30	WSD
1,1-Dichloroethane	ND	2.0		ND	8.1	40	3/31/11 7:30	WSD
1,2-Dichloroethane	ND	2.0		ND	8.1	40	3/31/11 7:30	WSD
1,1-Dichloroethylene	2.1	2.0		8.2	7.9	40	3/31/11 7:30	WSD
cis-1,2-Dichloroethylene	1500	50		5900	200	1000	3/31/11 9:00	WSD
trans-1,2-Dichloroethylene	120	2.0		470	7.9	40	3/31/11 7:30	WSD
1,2-Dichloropropane	ND	2.0		ND	9.2	40	3/31/11 7:30	WSD
cis-1,3-Dichloropropene	ND	2.0		ND	9.1	40	3/31/11 7:30	WSD
trans-1,3-Dichloropropene	ND	2.0		ND	9.1	40	3/31/11 7:30	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	2.0		ND	14	40	3/31/11 7:30	WSD
Ethanol	29	20		55	38	40	3/31/11 7:30	WSD
Ethyl Acetate	ND	2.0		ND	7.2	40	3/31/11 7:30	WSD
Ethylbenzene	4.5	2.0		19	8.7	40	3/31/11 7:30	WSD
4-Ethyltoluene	ND	2.0		ND	9.8	40	3/31/11 7:30	WSD
Heptane	33	2.0		140	8.2	40	3/31/11 7:30	WSD
Hexachlorobutadiene	ND	2.0		ND	21	40	3/31/11 7:30	WSD
Hexane	17	2.0		59	7.0	40	3/31/11 7:30	WSD
2-Hexanone (MBK)	ND	2.0	L-03	ND	8.2	40	3/31/11 7:30	WSD

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: SV-8
Sample ID: 11C0770-10
Sample Matrix: Soil Gas
Sampled: 3/22/2011 13:40

Sample Description/Location:
Sub Description/Location:
Canister ID: 1855
Canister Size: 6 liter
Flow Controller ID: 3219
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -3
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Sample Flags: RL-01

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	2.4	2.0		5.8	4.9	40	3/31/11 7:30	WSD
Methyl tert-Butyl Ether (MTBE)	ND	2.0		ND	7.2	40	3/31/11 7:30	WSD
Methylene Chloride	ND	4.0		ND	14	40	3/31/11 7:30	WSD
4-Methyl-2-pentanone (MIBK)	ND	2.0	L-03	ND	8.2	40	3/31/11 7:30	WSD
Propene	ND	20		ND	34	40	3/31/11 7:30	WSD
Styrene	4.4	2.0	L-03, V-05	19	8.5	40	3/31/11 7:30	WSD
1,1,2,2-Tetrachloroethane	ND	2.0		ND	14	40	3/31/11 7:30	WSD
Tetrachloroethylene	27000	50		180000	340	1000	3/31/11 9:00	WSD
Tetrahydrofuran	ND	2.0		ND	5.9	40	3/31/11 7:30	WSD
Toluene	230	2.0		860	7.5	40	3/31/11 7:30	WSD
1,2,4-Trichlorobenzene	ND	2.0		ND	15	40	3/31/11 7:30	WSD
1,1,1-Trichloroethane	ND	2.0		ND	11	40	3/31/11 7:30	WSD
1,1,2-Trichloroethane	ND	2.0		ND	11	40	3/31/11 7:30	WSD
Trichloroethylene	770	50		4100	270	1000	3/31/11 9:00	WSD
Trichlorofluoromethane (Freon 11)	ND	2.0		ND	11	40	3/31/11 7:30	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0		ND	15	40	3/31/11 7:30	WSD
1,2,4-Trimethylbenzene	4.2	2.0		20	9.8	40	3/31/11 7:30	WSD
1,3,5-Trimethylbenzene	ND	2.0		ND	9.8	40	3/31/11 7:30	WSD
Vinyl Acetate	ND	2.0	L-03	ND	7.0	40	3/31/11 7:30	WSD
Vinyl Chloride	ND	2.0		ND	5.1	40	3/31/11 7:30	WSD
m&p-Xylene	13	4.0		58	17	40	3/31/11 7:30	WSD
o-Xylene	5.6	2.0		24	8.7	40	3/31/11 7:30	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	109	70-130	3/31/11 9:00
4-Bromofluorobenzene (1)	110	70-130	3/31/11 7:30

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: SV-9
Sample ID: 11C0770-11
Sample Matrix: Soil Gas
Sampled: 3/22/2011 13:10

Sample Description/Location:
Sub Description/Location:
Canister ID: 1063
Canister Size: 6 liter
Flow Controller ID: 3149
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Sample Flags: RL-01

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	29	10		68	24	20	3/30/11 2:22	WSD
Benzene	180	1.0		560	3.2	20	3/30/11 2:22	WSD
Benzyl chloride	ND	1.0	L-03	ND	5.2	20	3/30/11 2:22	WSD
Bromodichloromethane	ND	1.0		ND	6.7	20	3/30/11 2:22	WSD
Bromoform	ND	1.0		ND	10	20	3/30/11 2:22	WSD
Bromomethane	ND	1.0		ND	3.9	20	3/30/11 2:22	WSD
1,3-Butadiene	ND	1.0		ND	2.2	20	3/30/11 2:22	WSD
2-Butanone (MEK)	1.2	1.0		3.5	2.9	20	3/30/11 2:22	WSD
Carbon Disulfide	5.5	1.0		17	3.1	20	3/30/11 2:22	WSD
Carbon Tetrachloride	ND	1.0		ND	6.3	20	3/30/11 2:22	WSD
Chlorobenzene	ND	1.0		ND	4.6	20	3/30/11 2:22	WSD
Chloroethane	2.3	1.0		6.2	2.6	20	3/30/11 2:22	WSD
Chloroform	11	1.0		55	4.9	20	3/30/11 2:22	WSD
Chloromethane	ND	1.0		ND	2.1	20	3/30/11 2:22	WSD
Cyclohexane	2.8	1.0		9.7	3.4	20	3/30/11 2:22	WSD
Dibromochloromethane	ND	1.0		ND	8.5	20	3/30/11 2:22	WSD
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	3/30/11 2:22	WSD
1,2-Dichlorobenzene	ND	1.0	L-03	ND	6.0	20	3/30/11 2:22	WSD
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	3/30/11 2:22	WSD
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	3/30/11 2:22	WSD
Dichlorodifluoromethane (Freon 12)	ND	1.0		ND	4.9	20	3/30/11 2:22	WSD
1,1-Dichloroethane	ND	1.0		ND	4.0	20	3/30/11 2:22	WSD
1,2-Dichloroethane	ND	1.0		ND	4.0	20	3/30/11 2:22	WSD
1,1-Dichloroethylene	27	1.0		110	4.0	20	3/30/11 2:22	WSD
cis-1,2-Dichloroethylene	21000	200		85000	790	4000	3/31/11 9:36	WSD
trans-1,2-Dichloroethylene	410	1.0		1600	4.0	20	3/30/11 2:22	WSD
1,2-Dichloropropane	ND	1.0		ND	4.6	20	3/30/11 2:22	WSD
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	3/30/11 2:22	WSD
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	3/30/11 2:22	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	3/30/11 2:22	WSD
Ethanol	ND	10	L-03	ND	19	20	3/30/11 2:22	WSD
Ethyl Acetate	ND	1.0		ND	3.6	20	3/30/11 2:22	WSD
Ethylbenzene	1.1	1.0		4.8	4.3	20	3/30/11 2:22	WSD
4-Ethyltoluene	ND	1.0		ND	4.9	20	3/30/11 2:22	WSD
Heptane	3.9	1.0		16	4.1	20	3/30/11 2:22	WSD
Hexachlorobutadiene	ND	1.0	L-03	ND	11	20	3/30/11 2:22	WSD
Hexane	5.4	1.0		19	3.5	20	3/30/11 2:22	WSD
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	3/30/11 2:22	WSD

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: SV-9
Sample ID: 11C0770-11
Sample Matrix: Soil Gas
Sampled: 3/22/2011 13:10

Sample Description/Location:
Sub Description/Location:
Canister ID: 1063
Canister Size: 6 liter
Flow Controller ID: 3149
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -1
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Sample Flags: RL-01

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	1.0		ND	2.5	20	3/30/11 2:22	WSD
Methyl tert-Butyl Ether (MTBE)	1.1	1.0		3.8	3.6	20	3/30/11 2:22	WSD
Methylene Chloride	2.7	2.0		9.2	6.9	20	3/30/11 2:22	WSD
4-Methyl-2-pentanone (MIBK)	ND	1.0	L-03	ND	4.1	20	3/30/11 2:22	WSD
Propene	ND	10		ND	17	20	3/30/11 2:22	WSD
Styrene	ND	1.0		ND	4.3	20	3/30/11 2:22	WSD
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	3/30/11 2:22	WSD
Tetrachloroethylene	95000	200		640000	1400	4000	3/31/11 9:36	WSD
Tetrahydrofuran	ND	1.0		ND	2.9	20	3/30/11 2:22	WSD
Toluene	19	1.0		72	3.8	20	3/30/11 2:22	WSD
1,2,4-Trichlorobenzene	ND	1.0	L-03	ND	7.4	20	3/30/11 2:22	WSD
1,1,1-Trichloroethane	ND	1.0		ND	5.5	20	3/30/11 2:22	WSD
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	3/30/11 2:22	WSD
Trichloroethylene	4700	200		25000	1100	4000	3/31/11 9:36	WSD
Trichlorofluoromethane (Freon 11)	ND	1.0		ND	5.6	20	3/30/11 2:22	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0		ND	7.7	20	3/30/11 2:22	WSD
1,2,4-Trimethylbenzene	1.7	1.0		8.5	4.9	20	3/30/11 2:22	WSD
1,3,5-Trimethylbenzene	ND	1.0		ND	4.9	20	3/30/11 2:22	WSD
Vinyl Acetate	ND	1.0		ND	3.5	20	3/30/11 2:22	WSD
Vinyl Chloride	310	1.0		810	2.6	20	3/30/11 2:22	WSD
m&p-Xylene	3.2	2.0		14	8.7	20	3/30/11 2:22	WSD
o-Xylene	1.3	1.0		5.5	4.3	20	3/30/11 2:22	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	109	70-130	3/31/11 9:36
4-Bromofluorobenzene (1)	111	70-130	3/30/11 2:22

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: SV-10
Sample ID: 11C0770-12
Sample Matrix: Soil Gas
Sampled: 3/22/2011 13:41

Sample Description/Location:
Sub Description/Location:
Canister ID: 1749
Canister Size: 6 liter
Flow Controller ID: 3182
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	13	10		31	24	20	3/30/11 2:58	WSD
Benzene	6.7	1.0		21	3.2	20	3/30/11 2:58	WSD
Benzyl chloride	ND	1.0	L-03	ND	5.2	20	3/30/11 2:58	WSD
Bromodichloromethane	ND	1.0		ND	6.7	20	3/30/11 2:58	WSD
Bromoform	ND	1.0		ND	10	20	3/30/11 2:58	WSD
Bromomethane	ND	1.0		ND	3.9	20	3/30/11 2:58	WSD
1,3-Butadiene	ND	1.0		ND	2.2	20	3/30/11 2:58	WSD
2-Butanone (MEK)	1.3	1.0		3.7	2.9	20	3/30/11 2:58	WSD
Carbon Disulfide	2.4	1.0		7.5	3.1	20	3/30/11 2:58	WSD
Carbon Tetrachloride	ND	1.0		ND	6.3	20	3/30/11 2:58	WSD
Chlorobenzene	ND	1.0		ND	4.6	20	3/30/11 2:58	WSD
Chloroethane	ND	1.0		ND	2.6	20	3/30/11 2:58	WSD
Chloroform	ND	1.0		ND	4.9	20	3/30/11 2:58	WSD
Chloromethane	ND	1.0		ND	2.1	20	3/30/11 2:58	WSD
Cyclohexane	ND	1.0		ND	3.4	20	3/30/11 2:58	WSD
Dibromochloromethane	ND	1.0		ND	8.5	20	3/30/11 2:58	WSD
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	3/30/11 2:58	WSD
1,2-Dichlorobenzene	ND	1.0	L-03	ND	6.0	20	3/30/11 2:58	WSD
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	3/30/11 2:58	WSD
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	3/30/11 2:58	WSD
Dichlorodifluoromethane (Freon 12)	ND	1.0		ND	4.9	20	3/30/11 2:58	WSD
1,1-Dichloroethane	ND	1.0		ND	4.0	20	3/30/11 2:58	WSD
1,2-Dichloroethane	ND	1.0		ND	4.0	20	3/30/11 2:58	WSD
1,1-Dichloroethylene	ND	1.0		ND	4.0	20	3/30/11 2:58	WSD
cis-1,2-Dichloroethylene	11	1.0		42	4.0	20	3/30/11 2:58	WSD
trans-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	3/30/11 2:58	WSD
1,2-Dichloropropane	ND	1.0		ND	4.6	20	3/30/11 2:58	WSD
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	3/30/11 2:58	WSD
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	3/30/11 2:58	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	3/30/11 2:58	WSD
Ethanol	ND	10	L-03	ND	19	20	3/30/11 2:58	WSD
Ethyl Acetate	ND	1.0		ND	3.6	20	3/30/11 2:58	WSD
Ethylbenzene	1.2	1.0		5.4	4.3	20	3/30/11 2:58	WSD
4-Ethyltoluene	1.3	1.0		6.3	4.9	20	3/30/11 2:58	WSD
Heptane	11	1.0		45	4.1	20	3/30/11 2:58	WSD
Hexachlorobutadiene	ND	1.0	L-03	ND	11	20	3/30/11 2:58	WSD
Hexane	1.9	1.0		6.6	3.5	20	3/30/11 2:58	WSD
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	3/30/11 2:58	WSD

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: SV-10
Sample ID: 11C0770-12
Sample Matrix: Soil Gas
Sampled: 3/22/2011 13:41

Sample Description/Location:
Sub Description/Location:
Canister ID: 1749
Canister Size: 6 liter
Flow Controller ID: 3182
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	1.0		ND	2.5	20	3/30/11 2:58	WSD
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6	20	3/30/11 2:58	WSD
Methylene Chloride	ND	2.0		ND	6.9	20	3/30/11 2:58	WSD
4-Methyl-2-pentanone (MIBK)	ND	1.0	L-03	ND	4.1	20	3/30/11 2:58	WSD
Propene	ND	10		ND	17	20	3/30/11 2:58	WSD
Styrene	ND	1.0		ND	4.3	20	3/30/11 2:58	WSD
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	3/30/11 2:58	WSD
Tetrachloroethylene	1200	2.0		8300	14	40	3/31/11 6:15	WSD
Tetrahydrofuran	ND	1.0		ND	2.9	20	3/30/11 2:58	WSD
Toluene	6.6	1.0		25	3.8	20	3/30/11 2:58	WSD
1,2,4-Trichlorobenzene	ND	1.0	L-03	ND	7.4	20	3/30/11 2:58	WSD
1,1,1-Trichloroethane	ND	1.0		ND	5.5	20	3/30/11 2:58	WSD
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	3/30/11 2:58	WSD
Trichloroethylene	20	1.0		110	5.4	20	3/30/11 2:58	WSD
Trichlorofluoromethane (Freon 11)	ND	1.0		ND	5.6	20	3/30/11 2:58	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0		ND	7.7	20	3/30/11 2:58	WSD
1,2,4-Trimethylbenzene	2.0	1.0		9.6	4.9	20	3/30/11 2:58	WSD
1,3,5-Trimethylbenzene	2.2	1.0		11	4.9	20	3/30/11 2:58	WSD
Vinyl Acetate	ND	1.0		ND	3.5	20	3/30/11 2:58	WSD
Vinyl Chloride	ND	1.0		ND	2.6	20	3/30/11 2:58	WSD
m&p-Xylene	ND	2.0		ND	8.7	20	3/30/11 2:58	WSD
o-Xylene	ND	1.0		ND	4.3	20	3/30/11 2:58	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	108	70-130	3/31/11 6:15
4-Bromofluorobenzene (1)	105	70-130	3/30/11 2:58

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: SV-11
Sample ID: 11C0770-13
Sample Matrix: Soil Gas
Sampled: 3/22/2011 13:25

Sample Description/Location:
Sub Description/Location:
Canister ID: 1823
Canister Size: 6 liter
Flow Controller ID: 3205
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -25
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Sample Flags: RL-01

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	ND	10		ND	24	20	3/30/11 3:34	WSD
Benzene	81	1.0		260	3.2	20	3/30/11 3:34	WSD
Benzyl chloride	ND	1.0	L-03	ND	5.2	20	3/30/11 3:34	WSD
Bromodichloromethane	ND	1.0		ND	6.7	20	3/30/11 3:34	WSD
Bromoform	ND	1.0		ND	10	20	3/30/11 3:34	WSD
Bromomethane	ND	1.0		ND	3.9	20	3/30/11 3:34	WSD
1,3-Butadiene	ND	1.0		ND	2.2	20	3/30/11 3:34	WSD
2-Butanone (MEK)	ND	1.0		ND	2.9	20	3/30/11 3:34	WSD
Carbon Disulfide	ND	1.0		ND	3.1	20	3/30/11 3:34	WSD
Carbon Tetrachloride	ND	1.0		ND	6.3	20	3/30/11 3:34	WSD
Chlorobenzene	ND	1.0		ND	4.6	20	3/30/11 3:34	WSD
Chloroethane	ND	1.0		ND	2.6	20	3/30/11 3:34	WSD
Chloroform	1.4	1.0		7.0	4.9	20	3/30/11 3:34	WSD
Chloromethane	ND	1.0		ND	2.1	20	3/30/11 3:34	WSD
Cyclohexane	3.0	1.0		10	3.4	20	3/30/11 3:34	WSD
Dibromochloromethane	ND	1.0		ND	8.5	20	3/30/11 3:34	WSD
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	3/30/11 3:34	WSD
1,2-Dichlorobenzene	ND	1.0	L-03	ND	6.0	20	3/30/11 3:34	WSD
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	3/30/11 3:34	WSD
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	3/30/11 3:34	WSD
Dichlorodifluoromethane (Freon 12)	ND	1.0		ND	4.9	20	3/30/11 3:34	WSD
1,1-Dichloroethane	ND	1.0		ND	4.0	20	3/30/11 3:34	WSD
1,2-Dichloroethane	ND	1.0		ND	4.0	20	3/30/11 3:34	WSD
1,1-Dichloroethylene	5.9	1.0		23	4.0	20	3/30/11 3:34	WSD
cis-1,2-Dichloroethylene	2600	10		10000	40	200	3/31/11 6:54	WSD
trans-1,2-Dichloroethylene	2.3	1.0		9.1	4.0	20	3/30/11 3:34	WSD
1,2-Dichloropropane	ND	1.0		ND	4.6	20	3/30/11 3:34	WSD
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	3/30/11 3:34	WSD
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	3/30/11 3:34	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	3/30/11 3:34	WSD
Ethanol	ND	10	L-03	ND	19	20	3/30/11 3:34	WSD
Ethyl Acetate	ND	1.0		ND	3.6	20	3/30/11 3:34	WSD
Ethylbenzene	4.4	1.0		19	4.3	20	3/30/11 3:34	WSD
4-Ethyltoluene	ND	1.0		ND	4.9	20	3/30/11 3:34	WSD
Heptane	10	1.0		43	4.1	20	3/30/11 3:34	WSD
Hexachlorobutadiene	ND	1.0	L-03	ND	11	20	3/30/11 3:34	WSD
Hexane	1.1	1.0		3.9	3.5	20	3/30/11 3:34	WSD
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	3/30/11 3:34	WSD

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners
Date Received: 3/24/2011
Field Sample #: SV-11
Sample ID: 11C0770-13
Sample Matrix: Soil Gas
Sampled: 3/22/2011 13:25

Sample Description/Location:
Sub Description/Location:
Canister ID: 1823
Canister Size: 6 liter
Flow Controller ID: 3205
Sample Type: 1 hr

Work Order: 11C0770
Initial Vacuum(in Hg): -25
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -4
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Sample Flags: RL-01

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	1.0		ND	2.5	20	3/30/11 3:34	WSD
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6	20	3/30/11 3:34	WSD
Methylene Chloride	3.2	2.0		11	6.9	20	3/30/11 3:34	WSD
4-Methyl-2-pentanone (MIBK)	ND	1.0	L-03	ND	4.1	20	3/30/11 3:34	WSD
Propene	ND	10		ND	17	20	3/30/11 3:34	WSD
Styrene	5.7	1.0		24	4.3	20	3/30/11 3:34	WSD
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	3/30/11 3:34	WSD
Tetrachloroethylene	2400	10		16000	68	200	3/31/11 6:54	WSD
Tetrahydrofuran	ND	1.0		ND	2.9	20	3/30/11 3:34	WSD
Toluene	130	1.0		480	3.8	20	3/30/11 3:34	WSD
1,2,4-Trichlorobenzene	ND	1.0	L-03	ND	7.4	20	3/30/11 3:34	WSD
1,1,1-Trichloroethane	ND	1.0		ND	5.5	20	3/30/11 3:34	WSD
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	3/30/11 3:34	WSD
Trichloroethylene	440	1.0		2400	5.4	20	3/30/11 3:34	WSD
Trichlorofluoromethane (Freon 11)	ND	1.0		ND	5.6	20	3/30/11 3:34	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0		ND	7.7	20	3/30/11 3:34	WSD
1,2,4-Trimethylbenzene	2.4	1.0		12	4.9	20	3/30/11 3:34	WSD
1,3,5-Trimethylbenzene	ND	1.0		ND	4.9	20	3/30/11 3:34	WSD
Vinyl Acetate	ND	1.0		ND	3.5	20	3/30/11 3:34	WSD
Vinyl Chloride	3.7	1.0		9.4	2.6	20	3/30/11 3:34	WSD
m&p-Xylene	25	2.0		110	8.7	20	3/30/11 3:34	WSD
o-Xylene	8.9	1.0		39	4.3	20	3/30/11 3:34	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	109	70-130	3/31/11 6:54
4-Bromofluorobenzene (1)	104	70-130	3/30/11 3:34

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Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
11C0770-01 [AA-1]	B028215	2	1	N/A	1000	400	1140	03/30/11
11C0770-02 [SV-1]	B028215	1	1	N/A	1000	400	200	03/30/11
11C0770-03 [SV-2]	B028215	1	1	N/A	1000	400	200	03/30/11
11C0770-04 [SV-X]	B028215	1	1	N/A	1000	400	200	03/30/11
11C0770-05 [SV-3]	B028215	1	1	N/A	1000	400	200	03/30/11
11C0770-06 [SV-4]	B028215	1	1	N/A	1000	400	200	03/30/11
11C0770-07 [SV-5]	B028215	1	1	N/A	1000	400	200	03/30/11
11C0770-08 [SV-6]	B028215	1	1	N/A	1000	400	200	03/30/11
11C0770-09RE1 [SV-7]	B028215	2	100	10	1000	400	20	03/30/11
11C0770-10 [SV-8]	B028215	2	1	N/A	1000	400	20	03/30/11
11C0770-10RE1 [SV-8]	B028215	2	100	10	1000	400	80	03/30/11
11C0770-11RE1 [SV-9]	B028215	2	100	10	1000	400	20	03/30/11
11C0770-12RE1 [SV-10]	B028215	2	1	N/A	1000	400	20	03/30/11
11C0770-13RE1 [SV-11]	B028215	2	100	10	1000	400	400	03/30/11

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
11C0770-02RE1 [SV-1]	B028216	1	1	N/A	1000	400	20	03/29/11
11C0770-09 [SV-7]	B028216	1	1	N/A	1000	400	20	03/29/11
11C0770-11 [SV-9]	B028216	1	1	N/A	1000	400	20	03/29/11
11C0770-12 [SV-10]	B028216	1	1	N/A	1000	400	20	03/29/11
11C0770-13 [SV-11]	B028216	1	1	N/A	1000	400	20	03/29/11

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Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B028215 - TO-15 Prep											
Blank (B028215-BLK1)					Prepared & Analyzed: 03/30/11						
Acetone	ND	0.35									
Benzene	ND	0.035									
Benzyl chloride	ND	0.035									
Bromodichloromethane	ND	0.035									
Bromoform	ND	0.035									
Bromomethane	ND	0.035									
1,3-Butadiene	ND	0.035									
2-Butanone (MEK)	ND	0.035									
Carbon Disulfide	ND	0.035									
Carbon Tetrachloride	ND	0.035									
Chlorobenzene	ND	0.035									
Chloroethane	ND	0.035									
Chloroform	ND	0.035									
Chloromethane	ND	0.035									
Cyclohexane	ND	0.035									
Dibromochloromethane	ND	0.035									
1,2-Dibromoethane (EDB)	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									
1,3-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
Dichlorodifluoromethane (Freon 12)	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,2-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									
trans-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									
cis-1,3-Dichloropropene	ND	0.035									
trans-1,3-Dichloropropene	ND	0.035									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
Ethanol	ND	0.35									
Ethyl Acetate	ND	0.035									
Ethylbenzene	ND	0.035									
4-Ethyltoluene	ND	0.035									
Heptane	ND	0.035									
Hexachlorobutadiene	ND	0.035									
Hexane	ND	0.035									
2-Hexanone (MBK)	ND	0.035									L-03
Isopropanol	ND	0.035									
Methyl tert-Butyl Ether (MTBE)	ND	0.035									
Methylene Chloride	ND	0.070									
4-Methyl-2-pentanone (MIBK)	ND	0.035									L-03
Propene	ND	0.35									
Styrene	ND	0.035									L-03, V-05
1,1,2,2-Tetrachloroethane	ND	0.035									
Tetrachloroethylene	ND	0.035									

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Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B028215 - TO-15 Prep											
Blank (B028215-BLK1)					Prepared & Analyzed: 03/30/11						
Tetrahydrofuran	ND	0.035									
Toluene	ND	0.035									
1,2,4-Trichlorobenzene	ND	0.035									
1,1,1-Trichloroethane	ND	0.035									
1,1,2-Trichloroethane	ND	0.035									
Trichloroethylene	ND	0.035									
Trichlorofluoromethane (Freon 11)	ND	0.035									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.035									
1,2,4-Trimethylbenzene	ND	0.035									
1,3,5-Trimethylbenzene	ND	0.035									
Vinyl Acetate	ND	0.035									L-03
Vinyl Chloride	ND	0.035									
m&p-Xylene	ND	0.070									
o-Xylene	ND	0.035									
Surrogate: 4-Bromofluorobenzene (1)	*8.80*				*8.00*		*110*	*70-130*			
LCS (B028215-BS1)					Prepared & Analyzed: 03/30/11						
Acetone	5.64				5.00		113	50-150			
Benzene	3.70				5.00		74.0	70-130			
Benzyl chloride	3.67				5.00		73.4	70-130			
Bromodichloromethane	4.16				5.00		83.3	70-130			
Bromoform	4.32				5.00		86.4	70-130			
Bromomethane	4.54				5.00		90.9	70-130			
1,3-Butadiene	4.24				5.00		84.8	70-130			
2-Butanone (MEK)	4.27				5.00		85.3	70-130			
Carbon Disulfide	4.10				5.00		81.9	70-130			
Carbon Tetrachloride	3.84				5.00		76.8	70-130			
Chlorobenzene	3.75				5.00		75.0	70-130			
Chloroethane	4.25				5.00		84.9	70-130			
Chloroform	4.83				5.00		96.5	70-130			
Chloromethane	4.21				5.00		84.1	70-130			
Cyclohexane	3.56				5.00		71.1	50-150			
Dibromochloromethane	4.05				5.00		81.0	70-130			
1,2-Dibromoethane (EDB)	3.90				5.00		78.0	70-130			
1,2-Dichlorobenzene	4.03				5.00		80.7	70-130			
1,3-Dichlorobenzene	4.11				5.00		82.2	70-130			
1,4-Dichlorobenzene	4.10				5.00		81.9	70-130			
Dichlorodifluoromethane (Freon 12)	4.85				5.00		97.0	70-130			
1,1-Dichloroethane	4.44				5.00		88.8	70-130			
1,2-Dichloroethane	4.90				5.00		98.1	70-130			
1,1-Dichloroethylene	4.32				5.00		86.4	70-130			
cis-1,2-Dichloroethylene	4.62				5.00		92.3	70-130			
trans-1,2-Dichloroethylene	4.55				5.00		91.1	70-130			
1,2-Dichloropropane	3.64				5.00		72.9	70-130			
cis-1,3-Dichloropropene	3.89				5.00		77.8	70-130			
trans-1,3-Dichloropropene	3.92				5.00		78.4	70-130			

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Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag
Batch B028215 - TO-15 Prep												
LCS (B028215-BS1)					Prepared & Analyzed: 03/30/11							
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.59				5.00		91.8		70-130			
Ethanol	3.97				5.00		79.4		50-150			
Ethyl Acetate	4.36				5.00		87.2		50-150			
Ethylbenzene	3.66				5.00		73.1		70-130			
4-Ethyltoluene	3.69				5.00		73.8		50-150			
Heptane	3.71				5.00		74.2		50-150			
Hexachlorobutadiene	4.25				5.00		85.0		70-130			
Hexane	4.37				5.00		87.3		70-130			
2-Hexanone (MBK)	1.86				5.00		**37.3**	*	50-150			L-03
Isopropanol	3.32				5.00		66.4		50-150			
Methyl tert-Butyl Ether (MTBE)	4.54				5.00		90.8		70-130			
Methylene Chloride	3.82				5.00		76.3		70-130			
4-Methyl-2-pentanone (MIBK)	2.87				5.00		**57.4**	*	70-130			L-03
Propene	4.38				5.00		87.5		50-150			
Styrene	3.30				5.00		**66.0**	*	70-130			L-03, V-05
1,1,2,2-Tetrachloroethane	3.91				5.00		78.2		70-130			
Tetrachloroethylene	3.88				5.00		77.5		70-130			
Tetrahydrofuran	4.18				5.00		83.6		50-150			
Toluene	3.60				5.00		72.0		70-130			
1,2,4-Trichlorobenzene	4.59				5.00		91.9		70-130			
1,1,1-Trichloroethane	4.01				5.00		80.3		70-130			
1,1,2-Trichloroethane	3.75				5.00		74.9		70-130			
Trichloroethylene	3.96				5.00		79.2		70-130			
Trichlorofluoromethane (Freon 11)	4.78				5.00		95.5		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.45				5.00		89.0		70-130			
1,2,4-Trimethylbenzene	3.63				5.00		72.6		70-130			
1,3,5-Trimethylbenzene	3.64				5.00		72.8		70-130			
Vinyl Acetate	3.32				5.00		**66.4**	*	70-130			L-03
Vinyl Chloride	4.40				5.00		88.0		70-130			
m&p-Xylene	7.56				10.0		75.6		70-130			
o-Xylene	3.72				5.00		74.3		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.81*				*8.00*		*110*		*70-130*			

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Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B028215 - TO-15 Prep											
Duplicate (B028215-DUP1)			**Source: 11C0770-02**		Prepared & Analyzed: 03/30/11						
Acetone	3.5	1.0	8.3	2.4		3.5			1.54	25	
Benzene	ND	0.10	ND	0.32		ND				25	
Benzyl chloride	ND	0.10	ND	0.52		ND				25	
Bromodichloromethane	ND	0.10	ND	0.67		ND				25	
Bromoform	ND	0.10	ND	1.0		ND				25	
Bromomethane	ND	0.10	ND	0.39		ND				25	
1,3-Butadiene	ND	0.10	ND	0.22		ND				25	
2-Butanone (MEK)	0.49	0.10	1.4	0.29		0.49			1.63	25	
Carbon Disulfide	ND	0.10	ND	0.31		ND				25	
Carbon Tetrachloride	ND	0.10	ND	0.63		ND				25	
Chlorobenzene	ND	0.10	ND	0.46		ND				25	
Chloroethane	ND	0.10	ND	0.26		ND				25	
Chloroform	0.42	0.10	2.1	0.49		0.44			2.79	25	
Chloromethane	ND	0.10	ND	0.21		ND				25	
Cyclohexane	ND	0.10	ND	0.34		ND				25	
Dibromochloromethane	ND	0.10	ND	0.85		ND				25	
1,2-Dibromoethane (EDB)	ND	0.10	ND	0.77		ND				25	
1,2-Dichlorobenzene	ND	0.10	ND	0.60		ND				25	
1,3-Dichlorobenzene	ND	0.10	ND	0.60		ND				25	
1,4-Dichlorobenzene	ND	0.10	ND	0.60		ND				25	
Dichlorodifluoromethane (Freon 12)	0.43	0.10	2.1	0.49		0.42			0.471	25	
1,1-Dichloroethane	ND	0.10	ND	0.40		ND				25	
1,2-Dichloroethane	ND	0.10	ND	0.40		ND				25	
1,1-Dichloroethylene	ND	0.10	ND	0.40		ND				25	
cis-1,2-Dichloroethylene	ND	0.10	ND	0.40		ND				25	
trans-1,2-Dichloroethylene	ND	0.10	ND	0.40		ND				25	
1,2-Dichloropropane	ND	0.10	ND	0.46		ND				25	
cis-1,3-Dichloropropene	ND	0.10	ND	0.45		ND				25	
trans-1,3-Dichloropropene	ND	0.10	ND	0.45		ND				25	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	ND	0.70		ND				25	
Ethanol	2.3	1.0	4.3	1.9		2.3			1.05	25	
Ethyl Acetate	ND	0.10	ND	0.36		ND				25	
Ethylbenzene	ND	0.10	ND	0.43		ND				25	
4-Ethyltoluene	ND	0.10	ND	0.49		ND				25	
Heptane	ND	0.10	ND	0.41		ND				25	
Hexachlorobutadiene	ND	0.10	ND	1.1		ND				25	
Hexane	ND	0.10	ND	0.35		ND				25	
2-Hexanone (MBK)	ND	0.10	ND	0.41		ND				25	L-03
Isopropanol	0.27	0.10	0.66	0.25		0.27			0.00	25	
Methyl tert-Butyl Ether (MTBE)	ND	0.10	ND	0.36		ND				25	
Methylene Chloride	0.38	0.20	1.3	0.69		0.37			2.70	25	
4-Methyl-2-pentanone (MIBK)	ND	0.10	ND	0.41		ND				25	L-03
Propene	ND	1.0	ND	1.7		ND				25	
Styrene	ND	0.10	ND	0.43		ND				25	L-03, V-05
1,1,2,2-Tetrachloroethane	ND	0.10	ND	0.69		ND				25	
Tetrachloroethylene	240	0.10	1600	0.68		120			69.1	25	E

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Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B028215 - TO-15 Prep											
Duplicate (B028215-DUP1)		**Source: 11C0770-02**			Prepared & Analyzed: 03/30/11						
Tetrahydrofuran	ND	0.10	ND	0.29		ND				25	
Toluene	0.15	0.10	0.55	0.38		0.14			1.38	25	
1,2,4-Trichlorobenzene	ND	0.10	ND	0.74		ND				25	
1,1,1-Trichloroethane	ND	0.10	ND	0.55		ND				25	
1,1,2-Trichloroethane	ND	0.10	ND	0.55		ND				25	
Trichloroethylene	0.54	0.10	2.9	0.54		0.55			1.10	25	
Trichlorofluoromethane (Freon 11)	0.16	0.10	0.88	0.56		0.16			3.77	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.10	ND	0.77		ND				25	
1,2,4-Trimethylbenzene	ND	0.10	ND	0.49		ND				25	
1,3,5-Trimethylbenzene	ND	0.10	ND	0.49		ND				25	
Vinyl Acetate	ND	0.10	ND	0.35		ND				25	L-03
Vinyl Chloride	ND	0.10	ND	0.26		ND				25	
m&p-Xylene	ND	0.20	ND	0.87		ND				25	
o-Xylene	ND	0.10	ND	0.43		ND				25	
Surrogate: 4-Bromofluorobenzene (1)	*8.65*				*8.00*		*108*	*70-130*			
Batch B028216 - TO-15 Prep											
Blank (B028216-BLK1)					Prepared & Analyzed: 03/29/11						
Acetone	ND	0.35									
Benzene	ND	0.035									
Benzyl chloride	ND	0.035									L-03
Bromodichloromethane	ND	0.035									
Bromoform	ND	0.035									
Bromomethane	ND	0.035									
1,3-Butadiene	ND	0.035									
2-Butanone (MEK)	ND	0.035									
Carbon Disulfide	ND	0.035									
Carbon Tetrachloride	ND	0.035									
Chlorobenzene	ND	0.035									
Chloroethane	ND	0.035									
Chloroform	ND	0.035									
Chloromethane	ND	0.035									
Cyclohexane	ND	0.035									
Dibromochloromethane	ND	0.035									
1,2-Dibromoethane (EDB)	ND	0.035									
1,2-Dichlorobenzene	ND	0.035									L-03
1,3-Dichlorobenzene	ND	0.035									
1,4-Dichlorobenzene	ND	0.035									
Dichlorodifluoromethane (Freon 12)	ND	0.035									
1,1-Dichloroethane	ND	0.035									
1,2-Dichloroethane	ND	0.035									
1,1-Dichloroethylene	ND	0.035									
cis-1,2-Dichloroethylene	ND	0.035									
trans-1,2-Dichloroethylene	ND	0.035									
1,2-Dichloropropane	ND	0.035									

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Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B028216 - TO-15 Prep											
Blank (B028216-BLK1)					Prepared & Analyzed: 03/29/11						
cis-1,3-Dichloropropene	ND	0.035									
trans-1,3-Dichloropropene	ND	0.035									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035									
Ethanol	ND	0.35									L-03
Ethyl Acetate	ND	0.035									
Ethylbenzene	ND	0.035									
4-Ethyltoluene	ND	0.035									
Heptane	ND	0.035									
Hexachlorobutadiene	ND	0.035									L-03
Hexane	ND	0.035									
2-Hexanone (MBK)	ND	0.035									
Isopropanol	ND	0.035									
Methyl tert-Butyl Ether (MTBE)	ND	0.035									
Methylene Chloride	ND	0.070									
4-Methyl-2-pentanone (MIBK)	ND	0.035									L-03
Propene	ND	0.35									
Styrene	ND	0.035									
1,1,2,2-Tetrachloroethane	ND	0.035									
Tetrachloroethylene	ND	0.035									
Tetrahydrofuran	ND	0.035									
Toluene	ND	0.035									
1,2,4-Trichlorobenzene	ND	0.035									L-03
1,1,1-Trichloroethane	ND	0.035									
1,1,2-Trichloroethane	ND	0.035									
Trichloroethylene	ND	0.035									
Trichlorofluoromethane (Freon 11)	ND	0.035									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.035									
1,2,4-Trimethylbenzene	ND	0.035									
1,3,5-Trimethylbenzene	ND	0.035									
Vinyl Acetate	ND	0.035									
Vinyl Chloride	ND	0.035									
m&p-Xylene	ND	0.070									
o-Xylene	ND	0.035									
Surrogate: 4-Bromofluorobenzene (1)	*8.61*				*8.00*		*108*	*70-130*			

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Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag
Batch B028216 - TO-15 Prep												
LCS (B028216-BS1)					Prepared & Analyzed: 03/29/11							
Acetone	5.78				5.00		116		50-200			
Benzene	3.84				5.00		76.9		70-130			
Benzyl chloride	3.36				5.00		**67.3**	*	70-130			L-03
Bromodichloromethane	4.48				5.00		89.7		70-130			
Bromoform	4.18				5.00		83.7		70-130			
Bromomethane	4.64				5.00		92.7		70-130			
1,3-Butadiene	4.37				5.00		87.4		70-130			
2-Butanone (MEK)	4.08				5.00		81.5		70-130			
Carbon Disulfide	4.66				5.00		93.2		70-130			
Carbon Tetrachloride	4.66				5.00		93.3		70-130			
Chlorobenzene	3.69				5.00		73.7		70-130			
Chloroethane	4.48				5.00		89.6		70-130			
Chloroform	5.01				5.00		100		70-130			
Chloromethane	4.50				5.00		90.0		70-130			
Cyclohexane	3.66				5.00		73.1		50-150			
Dibromochloromethane	4.14				5.00		82.7		70-130			
1,2-Dibromoethane (EDB)	3.84				5.00		76.8		70-130			
1,2-Dichlorobenzene	3.47				5.00		**69.4**	*	70-130			L-03
1,3-Dichlorobenzene	3.72				5.00		74.5		70-130			
1,4-Dichlorobenzene	3.63				5.00		72.7		70-130			
Dichlorodifluoromethane (Freon 12)	5.16				5.00		103		70-130			
1,1-Dichloroethane	4.64				5.00		92.7		70-130			
1,2-Dichloroethane	5.12				5.00		102		70-130			
1,1-Dichloroethylene	5.00				5.00		100		70-130			
cis-1,2-Dichloroethylene	4.72				5.00		94.5		70-130			
trans-1,2-Dichloroethylene	4.76				5.00		95.3		70-130			
1,2-Dichloropropane	3.81				5.00		76.3		70-130			
cis-1,3-Dichloropropene	4.30				5.00		86.0		70-130			
trans-1,3-Dichloropropene	3.77				5.00		75.4		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.39				5.00		87.8		70-130			
Ethanol	2.01				5.00		**40.2**	*	50-150			L-03
Ethyl Acetate	4.47				5.00		89.4		50-150			
Ethylbenzene	3.71				5.00		74.2		70-130			
4-Ethyltoluene	3.61				5.00		72.1		50-150			
Heptane	3.97				5.00		79.3		50-150			
Hexachlorobutadiene	3.04				5.00		**60.8**	*	70-130			L-03
Hexane	4.62				5.00		92.4		70-130			
2-Hexanone (MBK)	2.64				5.00		52.8		50-150			
Isopropanol	2.62				5.00		52.4		50-150			
Methyl tert-Butyl Ether (MTBE)	4.43				5.00		88.7		70-130			
Methylene Chloride	4.52				5.00		90.5		70-130			
4-Methyl-2-pentanone (MIBK)	3.31				5.00		**66.3**	*	70-130			L-03
Propene	4.95				5.00		99.0		50-150			
Styrene	3.57				5.00		71.4		70-130			
1,1,2,2-Tetrachloroethane	3.68				5.00		73.6		70-130			
Tetrachloroethylene	3.78				5.00		75.6		70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag
Batch B028216 - TO-15 Prep												
LCS (B028216-BS1)					Prepared & Analyzed: 03/29/11							
Tetrahydrofuran	4.04				5.00		80.8		50-150			
Toluene	3.63				5.00		72.6		70-130			
1,2,4-Trichlorobenzene	2.70				5.00		**53.9**	*	70-130			L-03
1,1,1-Trichloroethane	4.53				5.00		90.6		70-130			
1,1,2-Trichloroethane	3.74				5.00		74.9		70-130			
Trichloroethylene	4.23				5.00		84.7		70-130			
Trichlorofluoromethane (Freon 11)	5.16				5.00		103		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.15				5.00		103		70-130			
1,2,4-Trimethylbenzene	3.60				5.00		72.0		70-130			
1,3,5-Trimethylbenzene	3.64				5.00		72.8		70-130			
Vinyl Acetate	3.62				5.00		72.5		70-130			
Vinyl Chloride	4.59				5.00		91.8		70-130			
m&p-Xylene	7.78				10.0		77.8		70-130			
o-Xylene	3.82				5.00		76.5		70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.74*				*8.00*		*109*		*70-130*			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
E	Reported result is estimated. Value reported over verified calibration range.
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
RL-01	Elevated reporting limit due to high concentration of target compounds. Requested detection limit not met.
RL-02	Elevated reporting limit due to high concentration of non-target compounds. Requested detection limit not met.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S000675-CCV1)			Lab File ID: F033002.D			Analyzed: 03/30/11 18:06			
Bromochloromethane (1)	297747	8.585	228536	8.592	130	60 - 140	-0.0070	+/-0.50	
1,4-Difluorobenzene (1)	1078808	10.338	684560	10.345	158	60 - 140	-0.0070	+/-0.50	
Chlorobenzene-d5 (1)	1062361	14.682	610110	14.697	174	60 - 140	-0.0150	+/-0.50	
LCS (B028215-BS1)			Lab File ID: F033003.D			Analyzed: 03/30/11 18:42			
Bromochloromethane (1)	292321	8.592	297747	8.585	98	60 - 140	0.0070	+/-0.50	
1,4-Difluorobenzene (1)	1058709	10.345	1078808	10.338	98	60 - 140	0.0070	+/-0.50	
Chlorobenzene-d5 (1)	1026628	14.689	1062361	14.682	97	60 - 140	0.0070	+/-0.50	
Blank (B028215-BLK1)			Lab File ID: F033005.D			Analyzed: 03/30/11 20:02			
Bromochloromethane (1)	280939	8.585	297747	8.585	94	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	986042	10.33	1078808	10.338	91	60 - 140	-0.0080	+/-0.50	
Chlorobenzene-d5 (1)	961866	14.682	1062361	14.682	91	60 - 140	0.0000	+/-0.50	
AA-1 (11C0770-01)			Lab File ID: F033006.D			Analyzed: 03/30/11 20:50			
Bromochloromethane (1)	290912	8.585	297747	8.585	98	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1130697	10.338	1078808	10.338	105	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1070012	14.682	1062361	14.682	101	60 - 140	0.0000	+/-0.50	
SV-1 (11C0770-02)			Lab File ID: F033008.D			Analyzed: 03/30/11 22:07			
Bromochloromethane (1)	249524	8.6	297747	8.585	84	60 - 140	0.0150	+/-0.50	
1,4-Difluorobenzene (1)	845311	10.345	1078808	10.338	78	60 - 140	0.0070	+/-0.50	
Chlorobenzene-d5 (1)	856751	14.69	1062361	14.682	81	60 - 140	0.0080	+/-0.50	
Duplicate (B028215-DUP1)			Lab File ID: F033009.D			Analyzed: 03/30/11 22:45			
Bromochloromethane (1)	252640	8.593	297747	8.585	85	60 - 140	0.0080	+/-0.50	
1,4-Difluorobenzene (1)	841584	10.338	1078808	10.338	78	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	841866	14.69	1062361	14.682	79	60 - 140	0.0080	+/-0.50	
SV-2 (11C0770-03)			Lab File ID: F033010.D			Analyzed: 03/30/11 23:22			
Bromochloromethane (1)	256229	8.593	297747	8.585	86	60 - 140	0.0080	+/-0.50	
1,4-Difluorobenzene (1)	876972	10.338	1078808	10.338	81	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	872063	14.69	1062361	14.682	82	60 - 140	0.0080	+/-0.50	
SV-X (11C0770-04)			Lab File ID: F033011.D			Analyzed: 03/31/11 00:00			
Bromochloromethane (1)	273176	8.585	297747	8.585	92	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	967481	10.33	1078808	10.338	90	60 - 140	-0.0080	+/-0.50	
Chlorobenzene-d5 (1)	942749	14.682	1062361	14.682	89	60 - 140	0.0000	+/-0.50	
SV-3 (11C0770-05)			Lab File ID: F033012.D			Analyzed: 03/31/11 00:38			
Bromochloromethane (1)	266204	8.6	297747	8.585	89	60 - 140	0.0150	+/-0.50	
1,4-Difluorobenzene (1)	929662	10.338	1078808	10.338	86	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	919859	14.682	1062361	14.682	87	60 - 140	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

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Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
SV-4 (11C0770-06)			Lab File ID: F033013.D			Analyzed: 03/31/11 01:16			
Bromochloromethane (1)	279706	8.6	297747	8.585	94	60 - 140	0.0150	+/-0.50	
1,4-Difluorobenzene (1)	996052	10.338	1078808	10.338	92	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	965753	14.682	1062361	14.682	91	60 - 140	0.0000	+/-0.50	
SV-5 (11C0770-07)			Lab File ID: F033014.D			Analyzed: 03/31/11 01:54			
Bromochloromethane (1)	277680	8.6	297747	8.585	93	60 - 140	0.0150	+/-0.50	
1,4-Difluorobenzene (1)	971844	10.345	1078808	10.338	90	60 - 140	0.0070	+/-0.50	
Chlorobenzene-d5 (1)	951215	14.69	1062361	14.682	90	60 - 140	0.0080	+/-0.50	
SV-6 (11C0770-08)			Lab File ID: F033015.D			Analyzed: 03/31/11 02:31			
Bromochloromethane (1)	275868	8.6	297747	8.585	93	60 - 140	0.0150	+/-0.50	
1,4-Difluorobenzene (1)	956072	10.345	1078808	10.338	89	60 - 140	0.0070	+/-0.50	
Chlorobenzene-d5 (1)	962440	14.689	1062361	14.682	91	60 - 140	0.0070	+/-0.50	
SV-7 (11C0770-09RE1)			Lab File ID: F033017.D			Analyzed: 03/31/11 03:46			
Bromochloromethane (1)	303878	8.585	297747	8.585	102	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1079551	10.33	1078808	10.338	100	60 - 140	-0.0080	+/-0.50	
Chlorobenzene-d5 (1)	1053948	14.682	1062361	14.682	99	60 - 140	0.0000	+/-0.50	
SV-10 (11C0770-12RE1)			Lab File ID: F033021.D			Analyzed: 03/31/11 06:15			
Bromochloromethane (1)	301954	8.592	297747	8.585	101	60 - 140	0.0070	+/-0.50	
1,4-Difluorobenzene (1)	1088961	10.345	1078808	10.338	101	60 - 140	0.0070	+/-0.50	
Chlorobenzene-d5 (1)	1080912	14.689	1062361	14.682	102	60 - 140	0.0070	+/-0.50	
SV-11 (11C0770-13RE1)			Lab File ID: F033022.D			Analyzed: 03/31/11 06:54			
Bromochloromethane (1)	305368	8.585	297747	8.585	103	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1120268	10.338	1078808	10.338	104	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1099781	14.682	1062361	14.682	104	60 - 140	0.0000	+/-0.50	
SV-8 (11C0770-10)			Lab File ID: F033023.D			Analyzed: 03/31/11 07:30			
Bromochloromethane (1)	310469	8.585	297747	8.585	104	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1139643	10.338	1078808	10.338	106	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1146799	14.719	1062361	14.682	108	60 - 140	0.0370	+/-0.50	
SV-8 (11C0770-10RE1)			Lab File ID: F033025.D			Analyzed: 03/31/11 09:00			
Bromochloromethane (1)	303806	8.593	297747	8.585	102	60 - 140	0.0080	+/-0.50	
1,4-Difluorobenzene (1)	1117236	10.338	1078808	10.338	104	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1098729	14.69	1062361	14.682	103	60 - 140	0.0080	+/-0.50	
SV-9 (11C0770-11RE1)			Lab File ID: F033026.D			Analyzed: 03/31/11 09:36			
Bromochloromethane (1)	295619	8.592	297747	8.585	99	60 - 140	0.0070	+/-0.50	
1,4-Difluorobenzene (1)	1082956	10.338	1078808	10.338	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1065908	14.689	1062361	14.682	100	60 - 140	0.0070	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S000676-CCV1)			Lab File ID: F032902.D			Analyzed: 03/29/11 18:29			
Bromochloromethane (1)	281598	8.585	228536	8.592	123	60 - 140	-0.0070	+/-0.50	
1,4-Difluorobenzene (1)	910047	10.338	684560	10.345	133	60 - 140	-0.0070	+/-0.50	
Chlorobenzene-d5 (1)	857115	14.689	610110	14.697	140	60 - 140	-0.0080	+/-0.50	
LCS (B028216-BS1)			Lab File ID: F032903.D			Analyzed: 03/29/11 19:05			
Bromochloromethane (1)	288655	8.585	281598	8.585	103	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	979831	10.338	910047	10.338	108	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	968306	14.682	857115	14.689	113	60 - 140	-0.0070	+/-0.50	
Blank (B028216-BLK1)			Lab File ID: F032905.D			Analyzed: 03/29/11 20:22			
Bromochloromethane (1)	275620	8.585	281598	8.585	98	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	905884	10.33	910047	10.338	100	60 - 140	-0.0080	+/-0.50	
Chlorobenzene-d5 (1)	880686	14.682	857115	14.689	103	60 - 140	-0.0070	+/-0.50	
SV-1 (11C0770-02RE1)			Lab File ID: F032906.D			Analyzed: 03/29/11 20:59			
Bromochloromethane (1)	253049	8.585	281598	8.585	90	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	794837	10.345	910047	10.338	87	60 - 140	0.0070	+/-0.50	
Chlorobenzene-d5 (1)	740561	14.689	857115	14.689	86	60 - 140	0.0000	+/-0.50	
SV-7 (11C0770-09)			Lab File ID: F032913.D			Analyzed: 03/30/11 01:10			
Bromochloromethane (1)	216369	8.644	281598	8.585	77	60 - 140	0.0590	+/-0.50	
1,4-Difluorobenzene (1)	773328	10.375	910047	10.338	85	60 - 140	0.0370	+/-0.50	
Chlorobenzene-d5 (1)	829224	14.704	857115	14.689	97	60 - 140	0.0150	+/-0.50	
SV-9 (11C0770-11)			Lab File ID: F032915.D			Analyzed: 03/30/11 02:22			
Bromochloromethane (1)	315694	8.615	281598	8.585	112	60 - 140	0.0300	+/-0.50	
1,4-Difluorobenzene (1)	1138981	10.353	910047	10.338	125	60 - 140	0.0150	+/-0.50	
Chlorobenzene-d5 (1)	1063551	14.807	857115	14.689	124	60 - 140	0.1180	+/-0.50	
SV-10 (11C0770-12)			Lab File ID: F032916.D			Analyzed: 03/30/11 02:58			
Bromochloromethane (1)	325991	8.593	281598	8.585	116	60 - 140	0.0080	+/-0.50	
1,4-Difluorobenzene (1)	1151185	10.338	910047	10.338	126	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1109687	14.682	857115	14.689	129	60 - 140	-0.0070	+/-0.50	
SV-11 (11C0770-13)			Lab File ID: F032917.D			Analyzed: 03/30/11 03:34			
Bromochloromethane (1)	330408	8.607	281598	8.585	117	60 - 140	0.0220	+/-0.50	
1,4-Difluorobenzene (1)	1169001	10.345	910047	10.338	128	60 - 140	0.0070	+/-0.50	
Chlorobenzene-d5 (1)	1137351	14.697	857115	14.689	133	60 - 140	0.0080	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S000675-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	6.21	0.9572932	1.189128	0.05	24.2	50
Benzene	A	5.00	3.76	0.7445976	0.5603696	0.05	-24.7	30
Benzyl chloride	A	5.00	3.96	1.039369	0.8239007	0.05	-20.7	30
Bromodichloromethane	A	5.00	4.22	0.5037588	0.4252278	0.05	-15.6	30
Bromoform	A	5.00	4.37	0.5202506	0.4551417	0.05	-12.5	30
Bromomethane	A	5.00	4.56	0.6800857	0.6204355	0.05	-8.8	30
1,3-Butadiene	A	5.00	4.17	0.5168669	0.430755	0.05	-16.7	30
2-Butanone (MEK)	A	5.00	4.73	1.442287	1.363982	0.05	-5.4	30
Carbon Disulfide	A	5.00	4.14	1.990114	1.646805	0.05	-17.3	30
Carbon Tetrachloride	A	5.00	4.14	0.4616211	0.3823361	0.05	-17.2	30
Chlorobenzene	A	5.00	3.72	0.7711919	0.5740286	0.05	-25.6	30
Chloroethane	A	5.00	4.28	0.3673746	0.3143985	0.05	-14.4	30
Chloroform	A	5.00	4.88	1.424879	1.390657	0.05	-2.4	30
Chloromethane	A	5.00	4.12	0.6045946	0.4979637	0.05	-17.6	30
Cyclohexane	A	5.00	3.65	0.3404812	0.248805	0.05	-26.9	30
Dibromochloromethane	A	5.00	4.10	0.5565529	0.4564565	0.05	-18.0	30
1,2-Dibromoethane (EDB)	A	5.00	3.88	0.5224367	0.4056098	0.05	-22.4	30
1,2-Dichlorobenzene	A	5.00	4.10	0.7350193	0.6027917	0.05	-18.0	30
1,3-Dichlorobenzene	A	5.00	4.12	0.774909	0.6378276	0.05	-17.7	30
1,4-Dichlorobenzene	A	5.00	4.11	0.7899202	0.6493205	0.05	-17.8	30
Dichlorodifluoromethane (Freon 12)	A	5.00	4.90	1.676061	1.643989	0.05	-1.9	30
1,1-Dichloroethane	A	5.00	4.55	1.265918	1.15264	0.05	-8.9	30
1,2-Dichloroethane	A	5.00	4.94	0.9102673	0.8986368	0.05	-1.3	30
1,1-Dichloroethylene	A	5.00	4.33	1.036199	0.8979865	0.05	-13.3	30
cis-1,2-Dichloroethylene	A	5.00	4.75	0.9291754	0.8821288	0.05	-5.1	30
trans-1,2-Dichloroethylene	A	5.00	4.62	0.994264	0.9189224	0.05	-7.6	30
1,2-Dichloropropane	A	5.00	3.70	0.2704444	0.2002076	0.05	-26.0	30
cis-1,3-Dichloropropene	A	5.00	3.92	0.4016621	0.314737	0.05	-21.6	30
trans-1,3-Dichloropropene	A	5.00	4.01	0.4003214	0.3213843	0.05	-19.7	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	4.59	1.873473	1.718678	0.05	-8.3	30
Ethanol	A	5.00	4.34	0.2417121	0.2099554	0.05	-13.1	50
Ethyl Acetate	A	5.00	4.64	0.2271156	0.2107077	0.05	-7.2	50
Ethylbenzene	A	5.00	3.71	1.276998	0.9483255	0.05	-25.7	30
4-Ethyltoluene	A	5.00	3.83	1.413115	1.082272	0.05	-23.4	50
Heptane	A	5.00	3.76	0.2255311	0.1695353	0.05	-24.8	50
Hexachlorobutadiene	A	5.00	4.28	0.4997336	0.4279976	0.05	-14.4	30
Hexane	A	5.00	4.38	0.8010376	0.7025562	0.05	-12.3	30
2-Hexanone (MBK)	A	5.00	3.43	0.6180448	0.4237234	0.05	-31.4	50

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CONTINUING CALIBRATION CHECK

EPA TO-15

S000675-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT		
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Isopropanol	A	5.00	4.05	1.280226	1.036407	0.05	-19.0	50	
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.64	1.981639	1.838275	0.05	-7.2	30	
Methylene Chloride	A	5.00	3.92	0.764772	0.59965	0.05	-21.6	30	
4-Methyl-2-pentanone (MIBK)	A	5.00	3.91	0.2259675	0.1765208	0.05	-21.9	30	
Propene	A	5.00	4.54	0.4763985	0.4328292	0.05	-9.1	50	
Styrene	A	5.00	3.42	0.7668346	0.5251684	0.05	-31.5	30	*
1,1,2,2-Tetrachloroethane	A	5.00	3.97	0.697533	0.5535519	0.05	-20.6	30	
Tetrachloroethylene	A	5.00	3.93	0.4642605	0.3649592	0.05	-21.4	30	
Tetrahydrofuran	A	5.00	4.53	0.7981852	0.7239327	0.05	-9.3	50	
Toluene	A	5.00	3.63	0.9857128	0.7161453	0.05	-27.3	30	
1,2,4-Trichlorobenzene	A	5.00	4.62	0.5310595	0.4909879	0.05	-7.5	30	
1,1,1-Trichloroethane	A	5.00	4.09	0.4743502	0.3878325	0.05	-18.2	30	
1,1,2-Trichloroethane	A	5.00	3.73	0.3284759	0.2448719	0.05	-25.5	30	
Trichloroethylene	A	5.00	4.03	0.3129761	0.2524935	0.05	-19.3	30	
Trichlorofluoromethane (Freon 11)	A	5.00	4.79	1.706165	1.635654	0.05	-4.1	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	4.48	1.350825	1.21066	0.05	-10.4	30	
1,2,4-Trimethylbenzene	A	5.00	3.82	1.153349	0.8816513	0.05	-23.6	30	
1,3,5-Trimethylbenzene	A	5.00	3.79	1.16111	0.8797718	0.05	-24.2	30	
Vinyl Acetate	A	5.00	4.12	2.070403	1.704389	0.05	-17.7	30	
Vinyl Chloride	A	5.00	4.36	0.6972394	0.6073075	0.05	-12.9	30	
m&p-Xylene	A	10.0	7.61	1.024508	0.7799044	0.05	-23.9	30	
o-Xylene	A	5.00	3.74	1.014615	0.7584315	0.05	-25.2	30	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CONTINUING CALIBRATION CHECK

EPA TO-15

S000676-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	6.54	0.9572932	1.251463	0.05	30.7	50
Benzene	A	5.00	3.79	0.7445976	0.5649607	0.05	-24.1	30
Benzyl chloride	A	5.00	4.36	1.039369	0.9071679	0.05	-12.7	30
Bromodichloromethane	A	5.00	4.46	0.5037588	0.4499126	0.05	-10.7	30
Bromoform	A	5.00	4.69	0.5202506	0.4884721	0.05	-6.1	30
Bromomethane	A	5.00	4.41	0.6800857	0.5995838	0.05	-11.8	30
1,3-Butadiene	A	5.00	4.04	0.5168669	0.4181109	0.05	-19.1	30
2-Butanone (MEK)	A	5.00	4.46	1.442287	1.285833	0.05	-10.8	30
Carbon Disulfide	A	5.00	4.29	1.990114	1.706194	0.05	-14.3	30
Carbon Tetrachloride	A	5.00	4.51	0.4616211	0.4167046	0.05	-9.7	30
Chlorobenzene	A	5.00	3.92	0.7711919	0.6038732	0.05	-21.7	30
Chloroethane	A	5.00	4.15	0.3673746	0.3048885	0.05	-17.0	30
Chloroform	A	5.00	4.60	1.424879	1.310964	0.05	-8.0	30
Chloromethane	A	5.00	4.14	0.6045946	0.5001854	0.05	-17.3	30
Cyclohexane	A	5.00	3.57	0.3404812	0.2433404	0.05	-28.5	30
Dibromochloromethane	A	5.00	4.46	0.5565529	0.4967492	0.05	-10.7	30
1,2-Dibromoethane (EDB)	A	5.00	4.12	0.5224367	0.4309825	0.05	-17.5	30
1,2-Dichlorobenzene	A	5.00	4.20	0.7350193	0.6171027	0.05	-16.0	30
1,3-Dichlorobenzene	A	5.00	4.31	0.774909	0.6673905	0.05	-13.9	30
1,4-Dichlorobenzene	A	5.00	4.28	0.7899202	0.6760745	0.05	-14.4	30
Dichlorodifluoromethane (Freon 12)	A	5.00	4.83	1.676061	1.619881	0.05	-3.4	30
1,1-Dichloroethane	A	5.00	4.31	1.265918	1.09065	0.05	-13.8	30
1,2-Dichloroethane	A	5.00	4.82	0.9102673	0.8777733	0.05	-3.6	30
1,1-Dichloroethylene	A	5.00	4.49	1.036199	0.9301827	0.05	-10.2	30
cis-1,2-Dichloroethylene	A	5.00	4.43	0.9291754	0.8224604	0.05	-11.5	30
trans-1,2-Dichloroethylene	A	5.00	4.38	0.994264	0.8715516	0.05	-12.3	30
1,2-Dichloropropane	A	5.00	3.74	0.2704444	0.2022542	0.05	-25.2	30
cis-1,3-Dichloropropene	A	5.00	4.08	0.4016621	0.3277422	0.05	-18.4	30
trans-1,3-Dichloropropene	A	5.00	4.19	0.4003214	0.3354921	0.05	-16.2	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	4.55	1.873473	1.704234	0.05	-9.0	30
Ethanol	A	5.00	4.41	0.2417121	0.2134277	0.05	-11.7	50
Ethyl Acetate	A	5.00	4.42	0.2271156	0.200848	0.05	-11.6	50
Ethylbenzene	A	5.00	3.92	1.276998	1.000482	0.05	-21.7	30
4-Ethyltoluene	A	5.00	4.03	1.413115	1.139674	0.05	-19.4	50
Heptane	A	5.00	3.91	0.2255311	0.1764234	0.05	-21.8	50
Hexachlorobutadiene	A	5.00	4.47	0.4997336	0.4471503	0.05	-10.5	30
Hexane	A	5.00	4.30	0.8010376	0.6894083	0.05	-13.9	30
2-Hexanone (MBK)	A	5.00	3.88	0.6180448	0.4796332	0.05	-22.4	50

con-test® ANALYTICAL LABORATORY

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CONTINUING CALIBRATION CHECK

EPA TO-15

S000676-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Isopropanol	A	5.00	4.25	1.280226	1.089195	0.05	-14.9	50
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.21	1.981639	1.669091	0.05	-15.8	30
Methylene Chloride	A	5.00	4.15	0.764772	0.6346522	0.05	-17.0	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.05	0.2259675	0.1831185	0.05	-19.0	30
Propene	A	5.00	4.32	0.4763985	0.4111563	0.05	-13.7	50
Styrene	A	5.00	3.57	0.7668346	0.5472199	0.05	-28.6	30
1,1,2,2-Tetrachloroethane	A	5.00	4.30	0.697533	0.5993669	0.05	-14.1	30
Tetrachloroethylene	A	5.00	3.93	0.4642605	0.3652551	0.05	-21.3	30
Tetrahydrofuran	A	5.00	4.25	0.7981852	0.6784423	0.05	-15.0	50
Toluene	A	5.00	3.79	0.9857128	0.7463587	0.05	-24.3	30
1,2,4-Trichlorobenzene	A	5.00	4.55	0.5310595	0.4830418	0.05	-9.0	30
1,1,1-Trichloroethane	A	5.00	4.34	0.4743502	0.4116078	0.05	-13.2	30
1,1,2-Trichloroethane	A	5.00	3.90	0.3284759	0.2563689	0.05	-22.0	30
Trichloroethylene	A	5.00	4.09	0.3129761	0.2557723	0.05	-18.3	30
Trichlorofluoromethane (Freon 11)	A	5.00	4.96	1.706165	1.694245	0.05	-0.7	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	4.59	1.350825	1.241009	0.05	-8.1	30
1,2,4-Trimethylbenzene	A	5.00	4.07	1.153349	0.9392793	0.05	-18.6	30
1,3,5-Trimethylbenzene	A	5.00	3.99	1.16111	0.9272837	0.05	-20.1	30
Vinyl Acetate	A	5.00	3.94	2.070403	1.630654	0.05	-21.2	30
Vinyl Chloride	A	5.00	4.26	0.6972394	0.5938849	0.05	-14.8	30
m&p-Xylene	A	10.0	8.24	1.024508	0.8444888	0.05	-17.6	30
o-Xylene	A	5.00	4.04	1.014615	0.8197192	0.05	-19.2	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Acetone	AIHA
Benzene	AIHA,FL,NJ,NY
Benzyl chloride	AIHA,FL,NJ,NY
Bromodichloromethane	AIHA,NJ
Bromoform	AIHA,NJ
Bromomethane	AIHA,FL,NJ,NY
1,3-Butadiene	AIHA,NJ
2-Butanone (MEK)	AIHA,FL,NJ,NY
Carbon Disulfide	AIHA,NJ
Carbon Tetrachloride	AIHA,FL,NJ,NY
Chlorobenzene	AIHA,FL,NJ,NY
Chloroethane	AIHA,FL,NJ,NY
Chloroform	AIHA,FL,NJ,NY
Chloromethane	AIHA,FL,NJ,NY
Cyclohexane	AIHA,NJ
Dibromochloromethane	AIHA
1,2-Dibromoethane (EDB)	AIHA,NJ
1,2-Dichlorobenzene	AIHA,FL,NJ,NY
1,3-Dichlorobenzene	AIHA,NJ
1,4-Dichlorobenzene	AIHA,FL,NJ,NY
Dichlorodifluoromethane (Freon 12)	AIHA
1,1-Dichloroethane	AIHA,FL,NJ,NY
1,2-Dichloroethane	AIHA,FL,NJ,NY
1,1-Dichloroethylene	AIHA,FL,NJ,NY
cis-1,2-Dichloroethylene	AIHA,FL,NY
trans-1,2-Dichloroethylene	AIHA,NJ,NY
1,2-Dichloropropane	AIHA,FL,NJ,NY
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY
trans-1,3-Dichloropropene	AIHA
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY
4-Ethyltoluene	AIHA,NJ
Heptane	AIHA,NJ,NY
Hexachlorobutadiene	AIHA,NJ,NY
Hexane	AIHA,FL,NJ,NY
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY
Methylene Chloride	AIHA,FL,NJ,NY
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY
Propene	AIHA
Styrene	AIHA,FL,NJ,NY
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY
Tetrachloroethylene	AIHA,FL,NJ,NY
Tetrahydrofuran	AIHA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Toluene	AIHA,FL,NJ,NY
1,2,4-Trichlorobenzene	AIHA,NJ,NY
1,1,1-Trichloroethane	AIHA,FL,NJ,NY
1,1,2-Trichloroethane	AIHA,FL,NJ,NY
Trichloroethylene	AIHA,FL,NJ,NY
Trichlorofluoromethane (Freon 11)	AIHA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	AIHA,NJ,NY
1,2,4-Trimethylbenzene	AIHA,NJ
1,3,5-Trimethylbenzene	AIHA,NJ
Vinyl Acetate	AIHA,FL,NJ,NY
Vinyl Chloride	AIHA,FL,NJ,NY
m&p-Xylene	AIHA,FL,NJ,NY
o-Xylene	AIHA,FL,NJ,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2012
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2012

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 SPRUCE ST
EAST LONGMEADOW, MA 01028

AIR SAMPLE CHAIN OF CUSTODY RECORD

1IC0770

Company Name: MALCOLM PIRNIE, INC.
Address: 855 ROUTE 146, SUITE 210
CLIFTON PARK, NY 12065
Attention: STEFAN BAGNATO
Project Location: MAJESTIC CLEANERS
Sampled By: STEFAN BAGNATO

Telephone: (518) 250-7300
Project # 026384
Client PO #

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email: stefan.bagnato@arcadis-us.com
Format: ☒ EXCEL ☒ PDF ☐ GIS KEY ☐ OTHER___

Proposal Provided? (For Billing purposes)
☐ yes _____ proposal date

Field ID	Sample Description	Media	Lab #	Date Sampled Start Date Time	Date Sampled Stop Date Time	ONLY USE WHEN USING PUMPS Total Minutes Sampled	Flow Rate M^3/Min. or L / Min.	Volume Liters or M^3	Matrix Code*	ANALYSIS REQUESTED TO-15	" Hg Initial pressure	" Hg Final Pressure	" Hg Lab Receipt pressure	Summa Canister ID	Flow Controller ID
AA-1	AMBIENT	S	01	3/22/11 0905	3/22/11 1430				AMB	X	-30	-15	-14	1753	3023
SV-1	SOIL GAS	S	02	3/22/11 0815	3/22/11 0925				SG	X	-30	-7	-5	1047	3191
SV-2	SOIL GAS	S	03	3/22/11 0900	3/22/11 1010				SG	X	-30	-5	-2	1144	3171
SV-X	SOIL GAS	S	04	3/22/11 0910	3/22/11 1020				SG	X	-30	-3	-1	1334	3201
SV-3	SOIL GAS	S	05	3/22/11 0915	3/22/11 0955				SG	X	-28	-5	-6	1007	3006
SV-4	SOIL GAS	S	06	3/22/11 1100	3/22/11 1200				SG	X	-30	-8	-7	1666	3353
SV-5	SOIL GAS	S	07	3/22/11 1105	3/22/11 1205				SG	X	-26	-4	-4	1258	3093
SV-6	SOIL GAS	S	08	3/22/11 1230	3/22/11 1320				SG	X	-30	-5	-3	1158	3018

Please fill out completely, sign, date and retain the yellow copy for your record.

Summa canisters and flow controllers must be returned within 14 days of receipt or rental fees will apply.

Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.

Laboratory Comments:

CLIENT COMMENTS:

Relinquished by: (signature)	Date/Time:
SW Bagnato	3/24/11 1500
Received by: (signature) Paula Blakeboorge	Date/Time: 9:16 3.24.11
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other STD
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
*Approval Required

Special Requirements
Regulations: NYS ASP B
Data Enhancement/RCP? ☐ Y ☐ N
Enhanced Data Package ☒ Y ☐ N
(Surchage Applies)
Required Detection Limits:
Other:

*Matrix Code:
SG= SOIL GAS
IA= INDOOR AIR
AMB=AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = other

**Media Codes:
S=summa can
TB=tedlar bag
P=PUF
T=tube
F= filter
C=cassette
O = Other

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 SPRUCE ST
EAST LONGMEADOW, MA 01028

AIR SAMPLE CHAIN OF CUSTODY RECORD

Company Name: MALCOLM PIRNIE, INC.
Address: 855 ROUTE 146, SUITE 210
CLIFTON PARK, NY 12065
Attention: STEFAN BAGNATO
Project Location: MAJESTIC CLEANERS, BROOKLYN, NY
Sampled By: STEFAN BAGNATO

Telephone: (518) 250-7300
Project # 0266384
Client PO #

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email: stefan.bagnato@arcadis-us.com
Format: ☒ EXCEL ☒ PDF ☐ GIS KEY ☐ OTHER

Proposal Provided? (For Billing purposes)
☐ yes _____ proposal date

Field ID	Sample Description	Media	Lab #	Date Sampled Start Date Time	Date Sampled Stop Date Time	ONLY USE WHEN USING PUMPS Total Minutes Sampled	Flow Rate M^3/Min. or L / Min.	Volume Liters or M^3	Matrix Code*	ANALYSIS REQUESTED To-15				" Hg Initial pressure	" Hg Final pressure	" Hg Lab Receipt Pressure	Summa Canister ID	Flow Controller ID
SV-7	SOIL GAS	S	09	3/22/11 1225	3/22/11 1323				SG	X				-30	-4	-2	1504	3041
SV-8	↓	↓	10	3/22/11 1229	3/22/11 1340				↓	↓				-30	-4	-3	1855	3219
SV-9			11	3/22/11 1220	3/22/11 1310									-30	-5	-1	1063	3149
SV-10			12	3/22/11 1226	3/22/11 1341									-30	-6	-4	1749	3182
SV-11	↓	↓	13	3/22/11 1228	3/22/11 1325				↓	↓				-25	-4	-4	1823	3205

Please fill out completely, sign, date and retain the yellow copy for your record.
Summa canisters and flow controllers must be returned within 14 days of receipt or rental fees will apply.
Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.

Laboratory Comments:

CLIENT COMMENTS:

Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other TAT
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
*Approval Required

Special Requirements
Regulations: NYS ASP B
Data Enhancement/RCP? ☐ Y ☐ N
Enhanced Data Package ☒ Y ☐ N
(Surchage Applies)
Required Detection Limits:
Other:

***Matrix Code:**
SG= SOIL GAS
IA= INDOOR AIR
AMB=AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = other

****Media Codes:**
S=summa can
TB=tedlar bag
P=PUF
T=tube
F= filter
C=cassette
O = Other

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WBE/DBE Certified

This shipment is part of a multiple-piece shipment

Master tracking no.	873867792190	Total pieces	4
		Total shipment weight	125.0 lbs/56.7 kg

View all associated shipments

Tracking no.: 873867792190 Select time format: **12H**

Delivered

Delivered
Signed for by: .COLLINS

Shipment Dates

Ship date Mar 22, 2011
Delivery date Mar 24, 2011 9:16 AM

Destination

Signature Proof of Delivery

Shipment Options

Hold at FedEx Location
Hold at FedEx Location service is not available for this shipment.

Shipment Facts

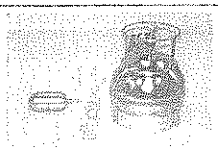
Service type	FedEx 2Day Service - Direct Signature Delivered to Required	Shipping/Receiving
Total Shipment Weight	125.0 lbs/56.7 kg	

Shipment Travel History

Select time zone: Local Scan Time

All shipment travel activity is displayed in local time for the location

Date/Time	Activity	Location	Details
Mar 24, 2011 9:16 AM	**Delivered**		
Mar 24, 2011 7:07 AM	On FedEx vehicle for delivery	WINDSOR LOCKS, CT	
Mar 24, 2011 7:04 AM	At local FedEx facility	WINDSOR LOCKS, CT	
Mar 23, 2011 4:28 PM	At dest sort facility	EAST GRANBY, CT	
Mar 23, 2011 1:15 PM	Departed FedEx location	NEWARK, NJ	
Mar 23, 2011 1:27 AM	Arrived at FedEx location	NEWARK, NJ	
Mar 22, 2011 9:22 PM	Left FedEx origin facility	BROOKLYN, NY	
Mar 22, 2011 6:01 PM	Picked up	BROOKLYN, NY	



www.contestlabs.com

con-test® ANALYTICAL LABORATORY

AIR Only Receipt Checklist

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

CLIENT NAME: Malcolm Pirnie RECEIVED BY: PB DATE: 3.24.11

1) Was the chain(s) of custody relinquished and signed? (Yes) No

2) Does the chain agree with the samples? (Yes) No
If not, explain:

3) Are all the samples in good condition? (Yes) No
If not, explain:

4) Are there any samples "On Hold"? Yes (NO) Stored where:

5) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)
Who was notified _____ Date _____ Time _____

6) Location where samples are stored: Air Lab

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature:

Air Media received at Con-Test

			# of Containers	Types (Size, Duration)
Air Sampling Media	Summa Cans		16	6 L
	Tedlar Bags			
	Tubes			
Flow Controllers	Regulators		16	~~2~~ 1 hr
	Restrictors			
Extras	Tubing			
	Other			

Unused Summas: 1228, 1252, 1256

Unused Regulators: 3214, 3232, 3204

1) Was all media (used & unused checked into the WASP?

2) Were all returned summa cans, Restrictors, & Regulators documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments: 3201, 3093, 3205, 3023, 3171, 3149, 3182, 3232, 3191, 3214, 3041, 3204, 3006, 3018, 3219, 3353

1753, 1228, 1258, 1855, 1047, 1607, 1158, 1063, 1144, 1661, 1256, 1749, 1334, 1252, 1504, 1823

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

ANALYTICAL RESULTS
SUMMARY

PROJECT NAME : 02-66-384 FORMER MAJESTIC CLEANERS

MALCOLM PIRNIE, INC.
855 Route 146, Suite 210

Clifton Park , NY - 12065
Phone No: 5182507300

ORDER ID : **C1610**
ATTENTION : **Stefan Bagnato**

ACCREDITED IN ACCORDANCE WITH nelac
LABORATORY ACCREDITATION BUREAU ACCREDITED ISO/IEC 17025
DoD ELAP

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	DUP-1	SDG No.:	C1610
Lab Sample ID:	C1610-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026092.D	1		03/24/11	VF032411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1.3		0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1.7		0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.74	J	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	5.8		0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	DUP-1	SDG No.:	C1610
Lab Sample ID:	C1610-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026092.D	1		03/24/11	VF032411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	2.5		0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1.1		0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	0.72	J	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	6.6		0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.7		66 - 150		109%	SPK: 50
1868-53-7	Dibromofluoromethane	56.6		76 - 130		113%	SPK: 50
2037-26-5	Toluene-d8	51.6		78 - 121		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		70 - 131		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	3079820	3.21				
540-36-3	1,4-Difluorobenzene	5556980	3.82				
3114-55-4	Chlorobenzene-d5	5227330	7.15				
3855-82-1	1,4-Dichlorobenzene-d4	2508940	9.03				
TENTITIVE IDENTIFIED COMPOUNDS							
003728-55-0	1-Ethyl-3-methylcyclohexane (c,t)	15	J			7.45	ug/L
	unknown7.62	19	J			7.62	ug/L
103-65-1	n-propylbenzene	16	J			8.32	ug/L
108-67-8	1,3,5-Trimethylbenzene	4.0	J			8.49	ug/L
98-06-6	tert-Butylbenzene	3.8	J			8.71	ug/L
95-63-6	1,2,4-Trimethylbenzene	25	J			8.76	ug/L
135-98-8	sec-Butylbenzene	15	J			8.83	ug/L
99-87-6	p-Isopropyltoluene	5.8	J			8.95	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	DUP-1	SDG No.:	C1610
Lab Sample ID:	C1610-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026092.D	1		03/24/11	VF032411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
000135-01-3	Benzene, 1,2-diethyl-	26	J			9.15	ug/L
104-51-8	n-Butylbenzene	12	J			9.23	ug/L
000105-05-5	Benzene, 1,4-diethyl-	11	J			9.3	ug/L
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl	23	J			9.42	ug/L
000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	28	J			9.47	ug/L
001587-04-8	Benzene, 1-methyl-2-(2-propenyl)-	22	J			9.54	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	16	J			9.74	ug/L
000535-77-3	Benzene, 1-methyl-3-(1-methylethyl	14	J			9.77	ug/L
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	18	J			10.04	ug/L
91-20-3	Naphthalene	4.5	J			10.52	ug/L

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-01-12-13	SDG No.:	C1610
Lab Sample ID:	C1610-02	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	15
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE021432.D	10		03/28/11	VE032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5800	U	640	2900	5800	ug/Kg
74-87-3	Chloromethane	5800	U	630	2900	5800	ug/Kg
75-01-4	Vinyl Chloride	5800	U	400	2900	5800	ug/Kg
74-83-9	Bromomethane	5800	U	720	2900	5800	ug/Kg
75-00-3	Chloroethane	5800	U	770	2900	5800	ug/Kg
75-69-4	Trichlorofluoromethane	5800	U	410	2900	5800	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5800	U	530	2900	5800	ug/Kg
75-35-4	1,1-Dichloroethene	5800	U	550	2900	5800	ug/Kg
67-64-1	Acetone	29000	U	3200	14500	29000	ug/Kg
75-15-0	Carbon Disulfide	5800	U	630	2900	5800	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5800	U	410	2900	5800	ug/Kg
79-20-9	Methyl Acetate	5800	U	970	2900	5800	ug/Kg
75-09-2	Methylene Chloride	2400	J	480	2900	5800	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5800	U	480	2900	5800	ug/Kg
75-34-3	1,1-Dichloroethane	5800	U	420	2900	5800	ug/Kg
110-82-7	Cyclohexane	5800	U	640	2900	5800	ug/Kg
78-93-3	2-Butanone	29000	U	1500	14500	29000	ug/Kg
56-23-5	Carbon Tetrachloride	5800	U	720	2900	5800	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5800	U	410	2900	5800	ug/Kg
67-66-3	Chloroform	5800	U	400	2900	5800	ug/Kg
71-55-6	1,1,1-Trichloroethane	5800	U	470	2900	5800	ug/Kg
108-87-2	Methylcyclohexane	5800	U	790	2900	5800	ug/Kg
71-43-2	Benzene	5800	U	370	2900	5800	ug/Kg
107-06-2	1,2-Dichloroethane	5800	U	560	2900	5800	ug/Kg
79-01-6	Trichloroethene	5800	U	330	2900	5800	ug/Kg
78-87-5	1,2-Dichloropropane	5800	U	540	2900	5800	ug/Kg
75-27-4	Bromodichloromethane	5800	U	420	2900	5800	ug/Kg
108-10-1	4-Methyl-2-Pentanone	29000	U	2500	14500	29000	ug/Kg
108-88-3	Toluene	5800	U	430	2900	5800	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5800	U	340	2900	5800	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5800	U	360	2900	5800	ug/Kg
79-00-5	1,1,2-Trichloroethane	5800	U	440	2900	5800	ug/Kg
591-78-6	2-Hexanone	29000	U	2300	14500	29000	ug/Kg
124-48-1	Dibromochloromethane	5800	U	610	2900	5800	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-01-12-13	SDG No.:	C1610
Lab Sample ID:	C1610-02	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	15
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE021432.D	10		03/28/11	VE032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	5800	U	480	2900	5800	ug/Kg
127-18-4	Tetrachloroethene	5800	U	320	2900	5800	ug/Kg
108-90-7	Chlorobenzene	5800	U	570	2900	5800	ug/Kg
100-41-4	Ethyl Benzene	5800	U	620	2900	5800	ug/Kg
179601-23-1	m/p-Xylenes	12000	U	1100	6000	12000	ug/Kg
95-47-6	o-Xylene	5800	U	500	2900	5800	ug/Kg
100-42-5	Styrene	5800	U	420	2900	5800	ug/Kg
75-25-2	Bromoform	5800	U	550	2900	5800	ug/Kg
98-82-8	Isopropylbenzene	9500		530	2900	5800	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5800	U	360	2900	5800	ug/Kg
541-73-1	1,3-Dichlorobenzene	5800	U	500	2900	5800	ug/Kg
106-46-7	1,4-Dichlorobenzene	5800	U	370	2900	5800	ug/Kg
95-50-1	1,2-Dichlorobenzene	5800	U	530	2900	5800	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5800	U	540	2900	5800	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5800	U	720	2900	5800	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	477		55 - 158		96%	SPK: 50
1868-53-7	Dibromofluoromethane	492		53 - 156		98%	SPK: 50
2037-26-5	Toluene-d8	453		68 - 122		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	447		25 - 144		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1687540	9.42				
540-36-3	1,4-Difluorobenzene	3002340	10.52				
3114-55-4	Chlorobenzene-d5	2717810	14.92				
3855-82-1	1,4-Dichlorobenzene-d4	1168490	18.73				
TENTITIVE IDENTIFIED COMPOUNDS							
002051-30-1	Octane, 2,6-dimethyl-	210000	J			15.81	ug/Kg
014676-29-0	Heptane, 3-ethyl-2-methyl-	180000	J			16.06	ug/Kg
001678-92-8	Cyclohexane, propyl-	170000	J			16.18	ug/Kg
	unknown16.30	260000	J			16.3	ug/Kg
	unknown16.98	230000	J			16.98	ug/Kg
103-65-1	n-propylbenzene	24000	J			17.11	ug/Kg
004126-78-7	Cycloheptane, methyl-	210000	J			17.23	ug/Kg
013909-09-6	Semustine	270000	J			17.35	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-01-12-13	SDG No.:	C1610
Lab Sample ID:	C1610-02	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	15
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE021432.D	10		03/28/11	VE032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
017302-28-2	Nonane, 2,6-dimethyl-	240000	J			17.64	ug/Kg
013151-34-3	Decane, 3-methyl-	170000	J			18.02	ug/Kg
135-98-8	sec-Butylbenzene	33000	J			18.29	ug/Kg
104-51-8	n-Butylbenzene	54000	J			19.2	ug/Kg
000091-17-8	Naphthalene, decahydro-	220000	J			19.3	ug/Kg
91-20-3	Naphthalene	7800	J			22.78	ug/Kg

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-01-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026094.D	1		03/24/11	VF032411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	2.1		0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	3.6		0.2	0.5	1	ug/L
71-43-2	Benzene	0.73	J	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-01-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026094.D	1		03/24/11	VF032411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	2.1		0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	87		0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	2.1		0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.2		66 - 150		94%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		76 - 130		100%	SPK: 50
2037-26-5	Toluene-d8	47.3		78 - 121		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.7		70 - 131		91%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	3433840	3.21				
540-36-3	1,4-Difluorobenzene	6158760	3.82				
3114-55-4	Chlorobenzene-d5	5803130	7.16				
3855-82-1	1,4-Dichlorobenzene-d4	2435050	9.03				
TENTITIVE IDENTIFIED COMPOUNDS							
000696-29-7	Cyclohexane, (1-methylethyl)-	45	J			7.71	ug/L
103-65-1	n-propylbenzene	140	J			8.32	ug/L
	unknown8.60	28	J			8.6	ug/L
98-06-6	tert-Butylbenzene	9.3	J			8.71	ug/L
135-98-8	sec-Butylbenzene	72	J			8.84	ug/L
000099-87-6	Benzene, 1-methyl-4-(1-methylethyl	36	J			9.12	ug/L
000611-15-4	Benzene, 1-ethenyl-2-methyl-	260	J			9.15	ug/L
104-51-8	n-Butylbenzene	45	J			9.24	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-01-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026094.D	1		03/24/11	VF032411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	140	J			9.47	ug/L
000768-49-0	Benzene, (2-methyl-1-propenyl)-	110	J			9.54	ug/L
000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	54	J			9.57	ug/L
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	66	J			9.74	ug/L
004701-36-4	Benzene, (1-ethyl-1-propenyl)-	34	J			9.9	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	130	J			10.04	ug/L
91-20-3	Naphthalene	3.2	J			10.52	ug/L

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-01-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026090.D	1		03/24/11	VF032411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-01-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026090.D	1		03/24/11	VF032411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1		0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.96	J	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.3		0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.4		66 - 150		103%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		76 - 130		105%	SPK: 50
2037-26-5	Toluene-d8	51.3		78 - 121		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		70 - 131		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	3053810	3.22				
540-36-3	1,4-Difluorobenzene	5470070	3.82				
3114-55-4	Chlorobenzene-d5	5318190	7.15				
3855-82-1	1,4-Dichlorobenzene-d4	2639950	9.03				
TENTITIVE IDENTIFIED COMPOUNDS							
103-65-1	n-propylbenzene	2.4	J			8.32	ug/L
108-67-8	1,3,5-Trimethylbenzene	1.7	J			8.48	ug/L
98-06-6	tert-Butylbenzene	1.9	J			8.71	ug/L
95-63-6	1,2,4-Trimethylbenzene	1.4	J			8.76	ug/L
135-98-8	sec-Butylbenzene	1.7	J			8.83	ug/L
99-87-6	p-Isopropyltoluene	0.95	J			8.94	ug/L
104-51-8	n-Butylbenzene	1.6	J			9.23	ug/L
91-20-3	Naphthalene	2.8	J			10.52	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-01-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026090.D	1		03/24/11	VF032411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
87-61-6	1,2,3-Trichlorobenzene	0.83	J			10.65	ug/L

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-11-12	SDG No.:	C1610
Lab Sample ID:	C1610-05	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	15
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE021449.D	1		03/29/11	VE032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	580	U	64	290	580	ug/Kg
74-87-3	Chloromethane	560	J	63	290	580	ug/Kg
75-01-4	Vinyl Chloride	580	U	40	290	580	ug/Kg
74-83-9	Bromomethane	580	U	72	290	580	ug/Kg
75-00-3	Chloroethane	580	U	77	290	580	ug/Kg
75-69-4	Trichlorofluoromethane	580	U	41	290	580	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	580	U	53	290	580	ug/Kg
75-35-4	1,1-Dichloroethene	580	U	55	290	580	ug/Kg
67-64-1	Acetone	2900	U	320	1450	2900	ug/Kg
75-15-0	Carbon Disulfide	580	U	63	290	580	ug/Kg
1634-04-4	Methyl tert-butyl Ether	580	U	41	290	580	ug/Kg
79-20-9	Methyl Acetate	580	U	97	290	580	ug/Kg
75-09-2	Methylene Chloride	580	U	48	290	580	ug/Kg
156-60-5	trans-1,2-Dichloroethene	580	U	48	290	580	ug/Kg
75-34-3	1,1-Dichloroethane	580	U	42	290	580	ug/Kg
110-82-7	Cyclohexane	580	U	64	290	580	ug/Kg
78-93-3	2-Butanone	2900	U	150	1450	2900	ug/Kg
56-23-5	Carbon Tetrachloride	580	U	72	290	580	ug/Kg
156-59-2	cis-1,2-Dichloroethene	170	J	41	290	580	ug/Kg
67-66-3	Chloroform	580	U	40	290	580	ug/Kg
71-55-6	1,1,1-Trichloroethane	580	U	47	290	580	ug/Kg
108-87-2	Methylcyclohexane	2800		79	290	580	ug/Kg
71-43-2	Benzene	580	U	37	290	580	ug/Kg
107-06-2	1,2-Dichloroethane	580	U	56	290	580	ug/Kg
79-01-6	Trichloroethene	580	U	33	290	580	ug/Kg
78-87-5	1,2-Dichloropropane	580	U	54	290	580	ug/Kg
75-27-4	Bromodichloromethane	580	U	42	290	580	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2900	U	250	1450	2900	ug/Kg
108-88-3	Toluene	580	U	43	290	580	ug/Kg
10061-02-6	t-1,3-Dichloropropene	580	U	34	290	580	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	580	U	36	290	580	ug/Kg
79-00-5	1,1,2-Trichloroethane	580	U	44	290	580	ug/Kg
591-78-6	2-Hexanone	2900	U	230	1450	2900	ug/Kg
124-48-1	Dibromochloromethane	580	U	61	290	580	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-11-12	SDG No.:	C1610
Lab Sample ID:	C1610-05	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	15
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE021449.D	1		03/29/11	VE032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	580	U	48	290	580	ug/Kg
127-18-4	Tetrachloroethene	580	U	32	290	580	ug/Kg
108-90-7	Chlorobenzene	580	U	57	290	580	ug/Kg
100-41-4	Ethyl Benzene	1000		62	290	580	ug/Kg
179601-23-1	m/p-Xylenes	350	J	110	600	1200	ug/Kg
95-47-6	o-Xylene	560	J	50	290	580	ug/Kg
100-42-5	Styrene	580	U	42	290	580	ug/Kg
75-25-2	Bromoform	580	U	55	290	580	ug/Kg
98-82-8	Isopropylbenzene	4900		53	290	580	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	580	U	36	290	580	ug/Kg
541-73-1	1,3-Dichlorobenzene	580	U	50	290	580	ug/Kg
106-46-7	1,4-Dichlorobenzene	580	U	37	290	580	ug/Kg
95-50-1	1,2-Dichlorobenzene	580	U	53	290	580	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	580	U	54	290	580	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	580	U	72	290	580	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.8		55 - 158		104%	SPK: 50
1868-53-7	Dibromofluoromethane	58.8		53 - 156		118%	SPK: 50
2037-26-5	Toluene-d8	49.8		68 - 122		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.2		25 - 144		118%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1177060	9.4				
540-36-3	1,4-Difluorobenzene	1864540	10.49				
3114-55-4	Chlorobenzene-d5	1848190	14.91				
3855-82-1	1,4-Dichlorobenzene-d4	817808	18.72				
TENTITIVE IDENTIFIED COMPOUNDS							
74-88-4	Methyl Iodide	960	J			6.6	ug/Kg
001678-91-7	Cyclohexane, ethyl-	16000	J			13.95	ug/Kg
002216-34-4	Octane, 4-methyl-	21000	J			14.2	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	35000	J			14.4	ug/Kg
015869-89-3	Octane, 2,5-dimethyl-	23000	J			15.58	ug/Kg
003728-54-9	Cyclohexane, 1-ethyl-2-methyl-	19000	J			15.71	ug/Kg
002051-30-1	Octane, 2,6-dimethyl-	63000	J			15.81	ug/Kg
007146-60-3	Octane, 2,3-dimethyl-	60000	J			16.06	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-11-12	SDG No.:	C1610
Lab Sample ID:	C1610-05	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	15
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE021449.D	1		03/29/11	VE032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
001678-92-8	Cyclohexane, propyl-	79000	J			16.17	ug/Kg
	unknown16.29	71000	J			16.29	ug/Kg
	unknown16.59	39000	J			16.59	ug/Kg
103-65-1	n-propylbenzene	12000	J			17.1	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	7700	J			17.35	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	38000	J			18	ug/Kg
135-98-8	sec-Butylbenzene	16000	J			18.28	ug/Kg
99-87-6	p-Isopropyltoluene	10000	J			18.49	ug/Kg
104-51-8	n-Butylbenzene	35000	J			19.19	ug/Kg
91-20-3	Naphthalene	2700	J			22.77	ug/Kg

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-06	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032297.D	20		03/25/11	VD032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20	U	4	10	20	ug/L
74-87-3	Chloromethane	20	U	4	10	20	ug/L
75-01-4	Vinyl Chloride	2500		6.8	10	20	ug/L
74-83-9	Bromomethane	20	U	4	10	20	ug/L
75-00-3	Chloroethane	20	U	4	10	20	ug/L
75-69-4	Trichlorofluoromethane	20	U	7	10	20	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20	U	9	10	20	ug/L
75-35-4	1,1-Dichloroethene	20	U	9.4	10	20	ug/L
67-64-1	Acetone	100	U	10	50	100	ug/L
75-15-0	Carbon Disulfide	20	U	4	10	20	ug/L
1634-04-4	Methyl tert-butyl Ether	20	U	7	10	20	ug/L
79-20-9	Methyl Acetate	20	U	4	10	20	ug/L
75-09-2	Methylene Chloride	20	U	8.2	10	20	ug/L
156-60-5	trans-1,2-Dichloroethene	91		8.2	10	20	ug/L
75-34-3	1,1-Dichloroethane	20	U	7.2	10	20	ug/L
110-82-7	Cyclohexane	20	U	4	10	20	ug/L
78-93-3	2-Butanone	100	U	26	50	100	ug/L
56-23-5	Carbon Tetrachloride	20	U	4	10	20	ug/L
156-59-2	cis-1,2-Dichloroethene	5200	E	7	10	20	ug/L
67-66-3	Chloroform	20	U	6.8	10	20	ug/L
71-55-6	1,1,1-Trichloroethane	20	U	8	10	20	ug/L
108-87-2	Methylcyclohexane	10	J	4	10	20	ug/L
71-43-2	Benzene	13	J	6.4	10	20	ug/L
107-06-2	1,2-Dichloroethane	20	U	9.6	10	20	ug/L
79-01-6	Trichloroethene	20	U	5.6	10	20	ug/L
78-87-5	1,2-Dichloropropane	20	U	9.2	10	20	ug/L
75-27-4	Bromodichloromethane	20	U	7.2	10	20	ug/L
108-10-1	4-Methyl-2-Pentanone	100	U	42	50	100	ug/L
108-88-3	Toluene	20	U	7.4	10	20	ug/L
10061-02-6	t-1,3-Dichloropropene	20	U	5.8	10	20	ug/L
10061-01-5	cis-1,3-Dichloropropene	20	U	6.2	10	20	ug/L
79-00-5	1,1,2-Trichloroethane	20	U	7.6	10	20	ug/L
591-78-6	2-Hexanone	100	U	39	50	100	ug/L
124-48-1	Dibromochloromethane	20	U	4	10	20	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-06	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032297.D	20		03/25/11	VD032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	20	U	8.2	10	20	ug/L
127-18-4	Tetrachloroethene	20	U	5.4	10	20	ug/L
108-90-7	Chlorobenzene	20	U	9.8	10	20	ug/L
100-41-4	Ethyl Benzene	210		4	10	20	ug/L
179601-23-1	m/p-Xylenes	56		19	20	40	ug/L
95-47-6	o-Xylene	17	J	8.6	10	20	ug/L
100-42-5	Styrene	20	U	7.2	10	20	ug/L
75-25-2	Bromoform	20	U	9.4	10	20	ug/L
98-82-8	Isopropylbenzene	130		9	10	20	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20	U	6.2	10	20	ug/L
541-73-1	1,3-Dichlorobenzene	20	U	8.6	10	20	ug/L
106-46-7	1,4-Dichlorobenzene	20	U	6.4	10	20	ug/L
95-50-1	1,2-Dichlorobenzene	20	U	9	10	20	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20	U	9.2	10	20	ug/L
120-82-1	1,2,4-Trichlorobenzene	20	U	4	10	20	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47		66 - 150		94%	SPK: 50
1868-53-7	Dibromofluoromethane	54.4		76 - 130		109%	SPK: 50
2037-26-5	Toluene-d8	48.8		78 - 121		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	60.6		70 - 131		121%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	766603	4.17				
540-36-3	1,4-Difluorobenzene	1125680	4.8				
3114-55-4	Chlorobenzene-d5	1772830	7.79				
3855-82-1	1,4-Dichlorobenzene-d4	894297	9.71				
TENTITIVE IDENTIFIED COMPOUNDS							
103-65-1	n-propylbenzene	260	J			8.95	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	220	J			9.04	ug/L
108-67-8	1,3,5-Trimethylbenzene	56	J			9.11	ug/L
000622-96-8	Benzene, 1-ethyl-4-methyl-	110	J			9.28	ug/L
98-06-6	tert-Butylbenzene	16	J			9.36	ug/L
95-63-6	1,2,4-Trimethylbenzene	930	J			9.41	ug/L
135-98-8	sec-Butylbenzene	94	J			9.5	ug/L
99-87-6	p-Isopropyltoluene	67	J			9.61	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-06	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032297.D	20		03/25/11	VD032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
000496-11-7	Indane	400	J			9.85	ug/L
104-51-8	n-Butylbenzene	89	J			9.94	ug/L
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl	230	J			10.14	ug/L
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	220	J			10.19	ug/L
000767-58-8	Indan, 1-methyl-	180	J			10.27	ug/L
002870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	130	J			10.54	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	230	J			10.85	ug/L
91-20-3	Naphthalene	120	J			11.4	ug/L
87-61-6	1,2,3-Trichlorobenzene	18	J			11.55	ug/L

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-GW-13DL	SDG No.:	C1610
Lab Sample ID:	C1610-06DL	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032298.D	100		03/25/11	VD032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	100	U	20	50	100	ug/L
74-87-3	Chloromethane	100	U	20	50	100	ug/L
75-01-4	Vinyl Chloride	2500	D	34	50	100	ug/L
74-83-9	Bromomethane	100	U	20	50	100	ug/L
75-00-3	Chloroethane	100	U	20	50	100	ug/L
75-69-4	Trichlorofluoromethane	100	U	35	50	100	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	100	U	45	50	100	ug/L
75-35-4	1,1-Dichloroethene	100	U	47	50	100	ug/L
67-64-1	Acetone	500	U	50	250	500	ug/L
75-15-0	Carbon Disulfide	100	U	20	50	100	ug/L
1634-04-4	Methyl tert-butyl Ether	100	U	35	50	100	ug/L
79-20-9	Methyl Acetate	100	U	20	50	100	ug/L
75-09-2	Methylene Chloride	100	U	41	50	100	ug/L
156-60-5	trans-1,2-Dichloroethene	93	JD	41	50	100	ug/L
75-34-3	1,1-Dichloroethane	100	U	36	50	100	ug/L
110-82-7	Cyclohexane	100	U	20	50	100	ug/L
78-93-3	2-Butanone	500	U	130	250	500	ug/L
56-23-5	Carbon Tetrachloride	100	U	20	50	100	ug/L
156-59-2	cis-1,2-Dichloroethene	5700	D	35	50	100	ug/L
67-66-3	Chloroform	100	U	34	50	100	ug/L
71-55-6	1,1,1-Trichloroethane	100	U	40	50	100	ug/L
108-87-2	Methylcyclohexane	190	D	20	50	100	ug/L
71-43-2	Benzene	100	U	32	50	100	ug/L
107-06-2	1,2-Dichloroethane	100	U	48	50	100	ug/L
79-01-6	Trichloroethene	100	U	28	50	100	ug/L
78-87-5	1,2-Dichloropropane	100	U	46	50	100	ug/L
75-27-4	Bromodichloromethane	100	U	36	50	100	ug/L
108-10-1	4-Methyl-2-Pentanone	500	U	210	250	500	ug/L
108-88-3	Toluene	100	U	37	50	100	ug/L
10061-02-6	t-1,3-Dichloropropene	100	U	29	50	100	ug/L
10061-01-5	cis-1,3-Dichloropropene	100	U	31	50	100	ug/L
79-00-5	1,1,2-Trichloroethane	100	U	38	50	100	ug/L
591-78-6	2-Hexanone	500	U	190	250	500	ug/L
124-48-1	Dibromochloromethane	100	U	20	50	100	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-GW-13DL	SDG No.:	C1610
Lab Sample ID:	C1610-06DL	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032298.D	100		03/25/11	VD032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	100	U	41	50	100	ug/L
127-18-4	Tetrachloroethene	100	U	27	50	100	ug/L
108-90-7	Chlorobenzene	100	U	49	50	100	ug/L
100-41-4	Ethyl Benzene	190	D	20	50	100	ug/L
179601-23-1	m/p-Xylenes	200	U	95	100	200	ug/L
95-47-6	o-Xylene	100	U	43	50	100	ug/L
100-42-5	Styrene	100	U	36	50	100	ug/L
75-25-2	Bromoform	100	U	47	50	100	ug/L
98-82-8	Isopropylbenzene	120	D	45	50	100	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	100	U	31	50	100	ug/L
541-73-1	1,3-Dichlorobenzene	100	U	43	50	100	ug/L
106-46-7	1,4-Dichlorobenzene	100	U	32	50	100	ug/L
95-50-1	1,2-Dichlorobenzene	100	U	45	50	100	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	100	U	46	50	100	ug/L
120-82-1	1,2,4-Trichlorobenzene	100	U	20	50	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.4		66 - 150		95%	SPK: 50
1868-53-7	Dibromofluoromethane	57.1		76 - 130		114%	SPK: 50
2037-26-5	Toluene-d8	50		78 - 121		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	65.8	*	70 - 131		132%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	767787	4.17				
540-36-3	1,4-Difluorobenzene	1121550	4.8				
3114-55-4	Chlorobenzene-d5	1806860	7.79				
3855-82-1	1,4-Dichlorobenzene-d4	955600	9.71				

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-07	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026091.D	1		03/24/11	VF032411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1.7		0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.66	J	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	4.3		0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-07	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026091.D	1		03/24/11	VF032411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	2		0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	0.88	J	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	5.4		0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.1		66 - 150		96%	SPK: 50
1868-53-7	Dibromofluoromethane	57.6		76 - 130		115%	SPK: 50
2037-26-5	Toluene-d8	48.5		78 - 121		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		70 - 131		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	3035900	3.21				
540-36-3	1,4-Difluorobenzene	4717380	3.82				
3114-55-4	Chlorobenzene-d5	4798000	7.16				
3855-82-1	1,4-Dichlorobenzene-d4	2436730	9.03				
TENTITIVE IDENTIFIED COMPOUNDS							
003728-55-0	1-Ethyl-3-methylcyclohexane (c,t)	15	J			7.45	ug/L
004551-51-3	1H-Indene, octahydro-, cis-	18	J			7.62	ug/L
000696-29-7	Cyclohexane, (1-methylethyl)-	19	J			7.71	ug/L
103-65-1	n-propylbenzene	13	J			8.32	ug/L
108-67-8	1,3,5-Trimethylbenzene	3.6	J			8.48	ug/L
98-06-6	tert-Butylbenzene	3.6	J			8.71	ug/L
95-63-6	1,2,4-Trimethylbenzene	19	J			8.76	ug/L
135-98-8	sec-Butylbenzene	12	J			8.84	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-07	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026091.D	1		03/24/11	VF032411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-87-6	p-Isopropyltoluene	5.2	J			8.95	ug/L
000135-01-3	Benzene, 1,2-diethyl-	26	J			9.15	ug/L
104-51-8	n-Butylbenzene	10	J			9.24	ug/L
002870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	20	J			9.42	ug/L
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl	27	J			9.47	ug/L
001587-04-8	Benzene, 1-methyl-2-(2-propenyl)-	27	J			9.54	ug/L
000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	17	J			9.57	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	15	J			9.73	ug/L
000535-77-3	Benzene, 1-methyl-3-(1-methylethyl	17	J			10.04	ug/L
91-20-3	Naphthalene	4.2	J			10.53	ug/L

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	PZ-1	SDG No.:	C1610
Lab Sample ID:	C1610-08	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026089.D	1		03/24/11	VF032411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	7.2		0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1.2		0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	65		0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	22		0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	PZ-1	SDG No.:	C1610
Lab Sample ID:	C1610-08	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026089.D	1		03/24/11	VF032411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	26		0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.9		0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45		66 - 150		90%	SPK: 50
1868-53-7	Dibromofluoromethane	58.2		76 - 130		116%	SPK: 50
2037-26-5	Toluene-d8	49.5		78 - 121		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		70 - 131		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	3143940	3.2				
540-36-3	1,4-Difluorobenzene	4842980	3.82				
3114-55-4	Chlorobenzene-d5	5055520	7.15				
3855-82-1	1,4-Dichlorobenzene-d4	2858760	9.03				
TENTITIVE IDENTIFIED COMPOUNDS							
103-65-1	n-propylbenzene	0.86	J			8.32	ug/L
108-67-8	1,3,5-Trimethylbenzene	1.8	J			8.49	ug/L
106-43-4	4-Chlorotoluene	1.6	J			8.55	ug/L
98-06-6	tert-Butylbenzene	1.9	J			8.71	ug/L
95-63-6	1,2,4-Trimethylbenzene	1.3	J			8.76	ug/L
135-98-8	sec-Butylbenzene	0.79	J			8.83	ug/L
99-87-6	p-Isopropyltoluene	1.0	J			8.94	ug/L
104-51-8	n-Butylbenzene	0.87	J			9.24	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	PZ-1	SDG No.:	C1610
Lab Sample ID:	C1610-08	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026089.D	1		03/24/11	VF032411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
87-68-3	Hexachlorobutadiene	1.3	J			10.31	ug/L
91-20-3	Naphthalene	2.9	J			10.54	ug/L
87-61-6	1,2,3-Trichlorobenzene	2.4	J			10.67	ug/L

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-03-11-12	SDG No.:	C1610
Lab Sample ID:	C1610-09	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	16
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK043993.D	1		03/26/11	VK032611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5.9	U	0.77	2.95	5.9	ug/Kg
74-87-3	Chloromethane	5.9	U	1	2.95	5.9	ug/Kg
75-01-4	Vinyl Chloride	5.9	U	1.5	2.95	5.9	ug/Kg
74-83-9	Bromomethane	5.9	U	2.9	2.95	5.9	ug/Kg
75-00-3	Chloroethane	5.9	U	1.7	2.95	5.9	ug/Kg
75-69-4	Trichlorofluoromethane	5.9	U	1.6	2.95	5.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.9	U	1.6	2.95	5.9	ug/Kg
75-35-4	1,1-Dichloroethene	5.9	U	1.7	2.95	5.9	ug/Kg
67-64-1	Acetone	58		3.6	15	30	ug/Kg
75-15-0	Carbon Disulfide	5.9	U	1.3	2.95	5.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.9	U	1.1	2.95	5.9	ug/Kg
79-20-9	Methyl Acetate	5.9	U	1.8	2.95	5.9	ug/Kg
75-09-2	Methylene Chloride	5.9	U	1.7	2.95	5.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.9	U	0.82	2.95	5.9	ug/Kg
75-34-3	1,1-Dichloroethane	5.9	U	1.1	2.95	5.9	ug/Kg
110-82-7	Cyclohexane	5.9	U	1.2	2.95	5.9	ug/Kg
78-93-3	2-Butanone	18	J	3.7	15	30	ug/Kg
56-23-5	Carbon Tetrachloride	5.9	U	1.2	2.95	5.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.9	U	1.1	2.95	5.9	ug/Kg
67-66-3	Chloroform	5.9	U	0.88	2.95	5.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.9	U	1	2.95	5.9	ug/Kg
108-87-2	Methylcyclohexane	13		1.3	2.95	5.9	ug/Kg
71-43-2	Benzene	5.9	U	0.45	2.95	5.9	ug/Kg
107-06-2	1,2-Dichloroethane	5.9	U	0.76	2.95	5.9	ug/Kg
79-01-6	Trichloroethene	5.9	U	1	2.95	5.9	ug/Kg
78-87-5	1,2-Dichloropropane	5.9	U	0.31	2.95	5.9	ug/Kg
75-27-4	Bromodichloromethane	5.9	U	0.74	2.95	5.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	30	U	3.5	15	30	ug/Kg
108-88-3	Toluene	5.9	U	0.76	2.95	5.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.9	U	0.94	2.95	5.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.9	U	0.86	2.95	5.9	ug/Kg
79-00-5	1,1,2-Trichloroethane	5.9	U	1.1	2.95	5.9	ug/Kg
591-78-6	2-Hexanone	30	U	4.7	15	30	ug/Kg
124-48-1	Dibromochloromethane	5.9	U	0.64	2.95	5.9	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-03-11-12	SDG No.:	C1610
Lab Sample ID:	C1610-09	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	16
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK043993.D	1		03/26/11	VK032611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	5.9	U	0.76	2.95	5.9	ug/Kg
127-18-4	Tetrachloroethene	5.9	U	1.2	2.95	5.9	ug/Kg
108-90-7	Chlorobenzene	5.9	U	0.59	2.95	5.9	ug/Kg
100-41-4	Ethyl Benzene	28		0.74	2.95	5.9	ug/Kg
179601-23-1	m/p-Xylenes	12	U	0.86	6	12	ug/Kg
95-47-6	o-Xylene	5.9	U	0.81	2.95	5.9	ug/Kg
100-42-5	Styrene	5.9	U	0.53	2.95	5.9	ug/Kg
75-25-2	Bromoform	5.9	U	0.88	2.95	5.9	ug/Kg
98-82-8	Isopropylbenzene	110		0.57	2.95	5.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.9	U	0.55	2.95	5.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.9	U	0.44	2.95	5.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.9	U	0.49	2.95	5.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.9	U	0.74	2.95	5.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.9	U	1	2.95	5.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.9	U	0.83	2.95	5.9	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.7		55 - 158		85%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		53 - 156		95%	SPK: 50
2037-26-5	Toluene-d8	56.7		68 - 122		113%	SPK: 50
460-00-4	4-Bromofluorobenzene	16.5		25 - 144		33%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	970153	3.11				
540-36-3	1,4-Difluorobenzene	1549610	3.49				
3114-55-4	Chlorobenzene-d5	1394890	6.15				
3855-82-1	1,4-Dichlorobenzene-d4	1097460	8.55				
TENTITIVE IDENTIFIED COMPOUNDS							
000638-04-0	Cyclohexane, 1,3-dimethyl-, cis-	59	J			4.33	ug/Kg
001072-05-5	Heptane, 2,6-dimethyl-	8.5	J			5.08	ug/Kg
	unknown5.22	6.1	J			5.22	ug/Kg
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	16	J			5.38	ug/Kg
	unknown5.62	20	J			5.62	ug/Kg
019489-10-2	cis-1-Ethyl-3-methyl-cyclohexane	58	J			6.58	ug/Kg
103-65-1	n-propylbenzene	190	J			7.7	ug/Kg
135-98-8	sec-Butylbenzene	190	J			8.36	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-03-11-12	SDG No.:	C1610
Lab Sample ID:	C1610-09	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	16
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK043993.D	1		03/26/11	VK032611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	59	J			9.09	ug/Kg
004489-84-3	Benzene, (3-methyl-2-butenyl)-	22	J			9.58	ug/Kg

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-03-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-10	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026093.D	1		03/24/11	VF032411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1.4		0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	5.8		0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	0.51	J	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-03-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-10	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026093.D	1		03/24/11	VF032411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	7.6		0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	130		0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.4		66 - 150		103%	SPK: 50
1868-53-7	Dibromofluoromethane	53.8		76 - 130		108%	SPK: 50
2037-26-5	Toluene-d8	43.6		78 - 121		87%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.2		70 - 131		84%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	3078160	3.21				
540-36-3	1,4-Difluorobenzene	5553140	3.82				
3114-55-4	Chlorobenzene-d5	4268360	7.16				
3855-82-1	1,4-Dichlorobenzene-d4	1504660	9.03				
TENTITIVE IDENTIFIED COMPOUNDS							
004057-42-5	2-Octene, 2,6-dimethyl-	170	J			8.12	ug/L
000122-78-1	Benzeneacetaldehyde	450	J			8.33	ug/L
004110-44-5	Octane, 3,3-dimethyl-	310	J			8.61	ug/L
98-06-6	tert-Butylbenzene	17	J			8.71	ug/L
001678-93-9	Cyclohexane, butyl-	260	J			8.77	ug/L
135-98-8	sec-Butylbenzene	120	J			8.85	ug/L
99-87-6	p-Isopropyltoluene	6.1	J			8.95	ug/L
000135-01-3	Benzene, 1,2-diethyl-	190	J			9.15	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-03-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-10	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026093.D	1		03/24/11	VF032411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
104-51-8	n-Butylbenzene	56	J			9.24	ug/L
000141-93-5	Benzene, 1,3-diethyl-	140	J			9.3	ug/L
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	230	J			9.48	ug/L
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	210	J			9.54	ug/L
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl	170	J			9.58	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	110	J			9.74	ug/L
91-20-3	Naphthalene	3.2	J			10.53	ug/L

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-03-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-11	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH039917.D	1		03/25/11	VH032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	5.8		0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	20		0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1.1		0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-03-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-11	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH039917.D	1		03/25/11	VH032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	4.7		0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57		66 - 150		114%	SPK: 50
1868-53-7	Dibromofluoromethane	53.6		76 - 130		107%	SPK: 50
2037-26-5	Toluene-d8	50.3		78 - 121		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.9		70 - 131		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	327797	4.08				
540-36-3	1,4-Difluorobenzene	544003	4.59				
3114-55-4	Chlorobenzene-d5	436164	7.94				
3855-82-1	1,4-Dichlorobenzene-d4	195738	10.43				
TENTITIVE IDENTIFIED COMPOUNDS							
004448-75-3	Cycloheptanemethanol	6.0	J			8.35	ug/L
000592-46-1	2,4-Hexadiene	7.4	J			8.59	ug/L
013395-76-1	Cyclohexanone, 2,3-dimethyl-	7.9	J			8.71	ug/L
002223-52-1	Cyclohexane, 1,1,4,4-tetramethyl-	63	J			9.24	ug/L
	unknown9.44	17	J			9.44	ug/L
103-65-1	n-propylbenzene	3.0	J			9.53	ug/L
1000144-07-3	1R,2c,3t,4t-Tetramethyl-cyclohexan	13	J			9.62	ug/L
003618-18-6	Methylenecyclooctane	49	J			9.67	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-03-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-11	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH039917.D	1		03/25/11	VH032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
	unknown9.74	14	J			9.74	ug/L
	unknown9.85	15	J			9.85	ug/L
004110-44-5	Octane, 3,3-dimethyl-	50	J			9.89	ug/L
98-06-6	tert-Butylbenzene	3.3	J			10.02	ug/L
95-63-6	1,2,4-Trimethylbenzene	4.5	J			10.09	ug/L
135-98-8	sec-Butylbenzene	3.6	J			10.19	ug/L
99-87-6	p-Isopropyltoluene	1.0	J			10.33	ug/L
104-51-8	n-Butylbenzene	3.0	J			10.71	ug/L
91-20-3	Naphthalene	5.0	J			12.29	ug/L

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-04-11-12	SDG No.:	C1610
Lab Sample ID:	C1610-14	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK044006.D	1		03/28/11	VK032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	6.1	U	0.79	3.05	6.1	ug/Kg
74-87-3	Chloromethane	6.1	U	1.1	3.05	6.1	ug/Kg
75-01-4	Vinyl Chloride	6.1	U	1.5	3.05	6.1	ug/Kg
74-83-9	Bromomethane	6.1	U	3	3.05	6.1	ug/Kg
75-00-3	Chloroethane	6.1	U	1.7	3.05	6.1	ug/Kg
75-69-4	Trichlorofluoromethane	6.1	U	1.6	3.05	6.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.1	U	1.6	3.05	6.1	ug/Kg
75-35-4	1,1-Dichloroethene	6.1	U	1.8	3.05	6.1	ug/Kg
67-64-1	Acetone	14	J	3.7	15.5	31	ug/Kg
75-15-0	Carbon Disulfide	6.1	U	1.3	3.05	6.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.1	U	1.2	3.05	6.1	ug/Kg
79-20-9	Methyl Acetate	6.1	U	1.8	3.05	6.1	ug/Kg
75-09-2	Methylene Chloride	6.1	U	1.7	3.05	6.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.1	U	0.84	3.05	6.1	ug/Kg
75-34-3	1,1-Dichloroethane	6.1	U	1.1	3.05	6.1	ug/Kg
110-82-7	Cyclohexane	6.1	U	1.2	3.05	6.1	ug/Kg
78-93-3	2-Butanone	31	U	3.8	15.5	31	ug/Kg
56-23-5	Carbon Tetrachloride	6.1	U	1.2	3.05	6.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	39		1.1	3.05	6.1	ug/Kg
67-66-3	Chloroform	6.1	U	0.9	3.05	6.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	6.1	U	1.1	3.05	6.1	ug/Kg
108-87-2	Methylcyclohexane	12		1.3	3.05	6.1	ug/Kg
71-43-2	Benzene	1.3	J	0.46	3.05	6.1	ug/Kg
107-06-2	1,2-Dichloroethane	6.1	U	0.78	3.05	6.1	ug/Kg
79-01-6	Trichloroethene	22		1.1	3.05	6.1	ug/Kg
78-87-5	1,2-Dichloropropane	6.1	U	0.32	3.05	6.1	ug/Kg
75-27-4	Bromodichloromethane	6.1	U	0.76	3.05	6.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	31	U	3.6	15.5	31	ug/Kg
108-88-3	Toluene	6.1	U	0.78	3.05	6.1	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.1	U	0.97	3.05	6.1	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.1	U	0.88	3.05	6.1	ug/Kg
79-00-5	1,1,2-Trichloroethane	6.1	U	1.1	3.05	6.1	ug/Kg
591-78-6	2-Hexanone	31	U	4.8	15.5	31	ug/Kg
124-48-1	Dibromochloromethane	6.1	U	0.66	3.05	6.1	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-04-11-12	SDG No.:	C1610
Lab Sample ID:	C1610-14	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK044006.D	1		03/28/11	VK032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	6.1	U	0.78	3.05	6.1	ug/Kg
127-18-4	Tetrachloroethene	300	E	1.2	3.05	6.1	ug/Kg
108-90-7	Chlorobenzene	6.1	U	0.61	3.05	6.1	ug/Kg
100-41-4	Ethyl Benzene	10		0.76	3.05	6.1	ug/Kg
179601-23-1	m/p-Xylenes	19		0.88	6	12	ug/Kg
95-47-6	o-Xylene	22		0.83	3.05	6.1	ug/Kg
100-42-5	Styrene	6.1	U	0.55	3.05	6.1	ug/Kg
75-25-2	Bromoform	6.1	U	0.9	3.05	6.1	ug/Kg
98-82-8	Isopropylbenzene	26		0.59	3.05	6.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.1	U	0.56	3.05	6.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.1	U	0.45	3.05	6.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.1	U	0.5	3.05	6.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.1	U	0.76	3.05	6.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.1	U	1.1	3.05	6.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.1	U	0.86	3.05	6.1	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.2		55 - 158		96%	SPK: 50
1868-53-7	Dibromofluoromethane	47		53 - 156		94%	SPK: 50
2037-26-5	Toluene-d8	51.4		68 - 122		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	88.6	*	25 - 144		177%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	880740	3.1				
540-36-3	1,4-Difluorobenzene	1544220	3.48				
3114-55-4	Chlorobenzene-d5	1554820	6.16				
3855-82-1	1,4-Dichlorobenzene-d4	891207	8.52				
TENTITIVE IDENTIFIED COMPOUNDS							
002051-30-1	Octane, 2,6-dimethyl-	140	J			6.84	ug/Kg
062960-77-4	4-Octene, 2,6-dimethyl-, [S-(Z)]-	470	J			7.38	ug/Kg
006069-98-3	Cyclohexane, 1-methyl-4-(1-methyle	140	J			7.58	ug/Kg
103-65-1	n-propylbenzene	44	J			7.67	ug/Kg
000611-14-3	Benzene, 1-ethyl-2-methyl-	300	J			7.77	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	190	J			7.88	ug/Kg
002847-72-5	Decane, 4-methyl-	640	J			8.02	ug/Kg
98-06-6	tert-Butylbenzene	9.9	J			8.14	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-04-11-12	SDG No.:	C1610
Lab Sample ID:	C1610-14	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK044006.D	1		03/28/11	VK032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
95-63-6	1,2,4-Trimethylbenzene	150	J			8.21	ug/Kg
135-98-8	sec-Butylbenzene	34	J			8.3	ug/Kg
99-87-6	p-Isopropyltoluene	33	J			8.43	ug/Kg
000526-73-8	Benzene, 1,2,3-trimethyl-	380	J			8.57	ug/Kg
000135-01-3	Benzene, 1,2-diethyl-	200	J			8.69	ug/Kg
001074-43-7	Benzene, 1-methyl-3-propyl-	150	J			8.72	ug/Kg
104-51-8	n-Butylbenzene	35	J			8.78	ug/Kg
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl	310	J			9.05	ug/Kg
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	130	J			9.69	ug/Kg
91-20-3	Naphthalene	10	J			10.2	ug/Kg

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-04-11-12DL	SDG No.:	C1610
Lab Sample ID:	C1610-14DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE021430.D	1		03/28/11	VE032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	610	U	67	305	610	ug/Kg
74-87-3	Chloromethane	610	U	66	305	610	ug/Kg
75-01-4	Vinyl Chloride	610	U	41	305	610	ug/Kg
74-83-9	Bromomethane	610	U	75	305	610	ug/Kg
75-00-3	Chloroethane	610	U	80	305	610	ug/Kg
75-69-4	Trichlorofluoromethane	610	U	43	305	610	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	610	U	55	305	610	ug/Kg
75-35-4	1,1-Dichloroethene	610	U	57	305	610	ug/Kg
67-64-1	Acetone	3000	U	330	1500	3000	ug/Kg
75-15-0	Carbon Disulfide	610	U	66	305	610	ug/Kg
1634-04-4	Methyl tert-butyl Ether	610	U	43	305	610	ug/Kg
79-20-9	Methyl Acetate	610	U	100	305	610	ug/Kg
75-09-2	Methylene Chloride	610	U	50	305	610	ug/Kg
156-60-5	trans-1,2-Dichloroethene	610	U	50	305	610	ug/Kg
75-34-3	1,1-Dichloroethane	610	U	44	305	610	ug/Kg
110-82-7	Cyclohexane	610	U	67	305	610	ug/Kg
78-93-3	2-Butanone	3000	U	160	1500	3000	ug/Kg
56-23-5	Carbon Tetrachloride	610	U	75	305	610	ug/Kg
156-59-2	cis-1,2-Dichloroethene	760	D	43	305	610	ug/Kg
67-66-3	Chloroform	610	U	41	305	610	ug/Kg
71-55-6	1,1,1-Trichloroethane	610	U	49	305	610	ug/Kg
108-87-2	Methylcyclohexane	700	D	83	305	610	ug/Kg
71-43-2	Benzene	610	U	39	305	610	ug/Kg
107-06-2	1,2-Dichloroethane	610	U	58	305	610	ug/Kg
79-01-6	Trichloroethene	520	JD	34	305	610	ug/Kg
78-87-5	1,2-Dichloropropane	610	U	56	305	610	ug/Kg
75-27-4	Bromodichloromethane	610	U	44	305	610	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3000	U	260	1500	3000	ug/Kg
108-88-3	Toluene	610	U	45	305	610	ug/Kg
10061-02-6	t-1,3-Dichloropropene	610	U	35	305	610	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	610	U	38	305	610	ug/Kg
79-00-5	1,1,2-Trichloroethane	610	U	46	305	610	ug/Kg
591-78-6	2-Hexanone	3000	U	240	1500	3000	ug/Kg
124-48-1	Dibromochloromethane	610	U	63	305	610	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-04-11-12DL	SDG No.:	C1610
Lab Sample ID:	C1610-14DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE021430.D	1		03/28/11	VE032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	610	U	50	305	610	ug/Kg
127-18-4	Tetrachloroethene	8100	D	33	305	610	ug/Kg
108-90-7	Chlorobenzene	610	U	60	305	610	ug/Kg
100-41-4	Ethyl Benzene	390	JD	65	305	610	ug/Kg
179601-23-1	m/p-Xylenes	1200	U	120	600	1200	ug/Kg
95-47-6	o-Xylene	670	D	52	305	610	ug/Kg
100-42-5	Styrene	610	U	44	305	610	ug/Kg
75-25-2	Bromoform	610	U	57	305	610	ug/Kg
98-82-8	Isopropylbenzene	1500	D	55	305	610	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	610	U	38	305	610	ug/Kg
541-73-1	1,3-Dichlorobenzene	610	U	52	305	610	ug/Kg
106-46-7	1,4-Dichlorobenzene	610	U	39	305	610	ug/Kg
95-50-1	1,2-Dichlorobenzene	610	U	55	305	610	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	610	U	56	305	610	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	610	U	75	305	610	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.1		55 - 158		102%	SPK: 50
1868-53-7	Dibromofluoromethane	56.4		53 - 156		113%	SPK: 50
2037-26-5	Toluene-d8	47.6		68 - 122		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.2		25 - 144		116%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1252180	9.42				
540-36-3	1,4-Difluorobenzene	2003220	10.51				
3114-55-4	Chlorobenzene-d5	1982790	14.92				
3855-82-1	1,4-Dichlorobenzene-d4	1067270	18.73				

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-04-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-15	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032300.D	1		03/25/11	VD032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	0.96	J	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	2	J	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	8.5		0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1.8		0.2	0.5	1	ug/L
71-43-2	Benzene	4.1		0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	4.1		0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-04-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-15	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032300.D	1		03/25/11	VD032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	4.2		0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	0.54	J	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	31		0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.1		66 - 150		96%	SPK: 50
1868-53-7	Dibromofluoromethane	56		76 - 130		112%	SPK: 50
2037-26-5	Toluene-d8	46.3		78 - 121		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	57		70 - 131		114%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	713807	4.17				
540-36-3	1,4-Difluorobenzene	1059590	4.8				
3114-55-4	Chlorobenzene-d5	1592950	7.78				
3855-82-1	1,4-Dichlorobenzene-d4	742906	9.71				
TENTITIVE IDENTIFIED COMPOUNDS							
	unknown8.08	29	J			8.08	ug/L
001678-92-8	Cyclohexane, propyl-	30	J			8.32	ug/L
103-65-1	n-propylbenzene	50	J			8.95	ug/L
	unknown9.27	54	J			9.27	ug/L
98-06-6	tert-Butylbenzene	4.4	J			9.37	ug/L
001678-93-9	Cyclohexane, butyl-	71	J			9.42	ug/L
135-98-8	sec-Butylbenzene	23	J			9.5	ug/L
000493-02-7	Naphthalene, decahydro-, trans-	36	J			9.77	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-04-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-15	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032300.D	1		03/25/11	VD032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
000496-11-7	Indane	100	J			9.85	ug/L
104-51-8	n-Butylbenzene	12	J			9.93	ug/L
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl	55	J			10.2	ug/L
000768-49-0	Benzene, (2-methyl-1-propenyl)-	53	J			10.28	ug/L
000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	31	J			10.32	ug/L
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	55	J			10.84	ug/L

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

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N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-04-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-16	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032301.D	1		03/25/11	VD032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	3.1		0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1.8		0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	73		0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	39		0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-04-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-16	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032301.D	1		03/25/11	VD032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	36		0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	0.97	J	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.3		66 - 150		97%	SPK: 50
1868-53-7	Dibromofluoromethane	57.2		76 - 130		114%	SPK: 50
2037-26-5	Toluene-d8	47.1		78 - 121		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	62		70 - 131		124%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	747291	4.17				
540-36-3	1,4-Difluorobenzene	1103430	4.8				
3114-55-4	Chlorobenzene-d5	1749240	7.79				
3855-82-1	1,4-Dichlorobenzene-d4	927915	9.71				
TENTITIVE IDENTIFIED COMPOUNDS							
103-65-1	n-propylbenzene	1.6	J			8.95	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.72	J			9.42	ug/L
135-98-8	sec-Butylbenzene	1.3	J			9.5	ug/L
104-51-8	n-Butylbenzene	0.76	J			9.93	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-04-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-16	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032301.D	1		03/25/11	VD032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-05-9-10	SDG No.:	C1610
Lab Sample ID:	C1610-17	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	22
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK043992.D	1		03/26/11	VK032611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	6.4	U	0.83	3.2	6.4	ug/Kg
74-87-3	Chloromethane	6.4	U	1.1	3.2	6.4	ug/Kg
75-01-4	Vinyl Chloride	6.4	U	1.6	3.2	6.4	ug/Kg
74-83-9	Bromomethane	6.4	U	3.1	3.2	6.4	ug/Kg
75-00-3	Chloroethane	6.4	U	1.8	3.2	6.4	ug/Kg
75-69-4	Trichlorofluoromethane	6.4	U	1.7	3.2	6.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.4	U	1.7	3.2	6.4	ug/Kg
75-35-4	1,1-Dichloroethene	6.4	U	1.9	3.2	6.4	ug/Kg
67-64-1	Acetone	32	U	3.8	16	32	ug/Kg
75-15-0	Carbon Disulfide	6.4	U	1.3	3.2	6.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.4	U	1.2	3.2	6.4	ug/Kg
79-20-9	Methyl Acetate	6.4	U	1.9	3.2	6.4	ug/Kg
75-09-2	Methylene Chloride	6.4	U	1.8	3.2	6.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.4	U	0.88	3.2	6.4	ug/Kg
75-34-3	1,1-Dichloroethane	6.4	U	1.2	3.2	6.4	ug/Kg
110-82-7	Cyclohexane	6.4	U	1.3	3.2	6.4	ug/Kg
78-93-3	2-Butanone	32	U	4	16	32	ug/Kg
56-23-5	Carbon Tetrachloride	6.4	U	1.3	3.2	6.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	8.2		1.1	3.2	6.4	ug/Kg
67-66-3	Chloroform	6.4	U	0.94	3.2	6.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	6.4	U	1.1	3.2	6.4	ug/Kg
108-87-2	Methylcyclohexane	6.4	U	1.3	3.2	6.4	ug/Kg
71-43-2	Benzene	6.4	U	0.48	3.2	6.4	ug/Kg
107-06-2	1,2-Dichloroethane	6.4	U	0.81	3.2	6.4	ug/Kg
79-01-6	Trichloroethene	6.1	J	1.1	3.2	6.4	ug/Kg
78-87-5	1,2-Dichloropropane	6.4	U	0.33	3.2	6.4	ug/Kg
75-27-4	Bromodichloromethane	6.4	U	0.79	3.2	6.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	32	U	3.7	16	32	ug/Kg
108-88-3	Toluene	6.4	U	0.81	3.2	6.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.4	U	1	3.2	6.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.4	U	0.92	3.2	6.4	ug/Kg
79-00-5	1,1,2-Trichloroethane	6.4	U	1.1	3.2	6.4	ug/Kg
591-78-6	2-Hexanone	32	U	5	16	32	ug/Kg
124-48-1	Dibromochloromethane	6.4	U	0.69	3.2	6.4	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-05-9-10	SDG No.:	C1610
Lab Sample ID:	C1610-17	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	22
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK043992.D	1		03/26/11	VK032611

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	6.4	U	0.81	3.2	6.4	ug/Kg
127-18-4	Tetrachloroethene	450	E	1.3	3.2	6.4	ug/Kg
108-90-7	Chlorobenzene	6.4	U	0.64	3.2	6.4	ug/Kg
100-41-4	Ethyl Benzene	6.4	U	0.79	3.2	6.4	ug/Kg
179601-23-1	m/p-Xylenes	13	U	0.92	6.5	13	ug/Kg
95-47-6	o-Xylene	6.4	U	0.86	3.2	6.4	ug/Kg
100-42-5	Styrene	6.4	U	0.57	3.2	6.4	ug/Kg
75-25-2	Bromoform	6.4	U	0.94	3.2	6.4	ug/Kg
98-82-8	Isopropylbenzene	6.4	U	0.61	3.2	6.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.4	U	0.59	3.2	6.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.4	U	0.47	3.2	6.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.4	U	0.52	3.2	6.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.4	U	0.79	3.2	6.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.4	U	1.1	3.2	6.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.4	U	0.89	3.2	6.4	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	44.6		55 - 158		89%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		53 - 156		97%	SPK: 50
2037-26-5	Toluene-d8	50.9		68 - 122		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		25 - 144		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	939969	3.1				
540-36-3	1,4-Difluorobenzene	1510560	3.48				
3114-55-4	Chlorobenzene-d5	1576040	6.16				
3855-82-1	1,4-Dichlorobenzene-d4	848360	8.52				

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-05-9-10DL	SDG No.:	C1610
Lab Sample ID:	C1610-17DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	22
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE021434.D	1		03/28/11	VE032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	640	U	70	320	640	ug/Kg
74-87-3	Chloromethane	640	U	69	320	640	ug/Kg
75-01-4	Vinyl Chloride	640	U	44	320	640	ug/Kg
74-83-9	Bromomethane	640	U	79	320	640	ug/Kg
75-00-3	Chloroethane	640	U	84	320	640	ug/Kg
75-69-4	Trichlorofluoromethane	640	U	45	320	640	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	640	U	58	320	640	ug/Kg
75-35-4	1,1-Dichloroethene	640	U	60	320	640	ug/Kg
67-64-1	Acetone	3200	U	350	1600	3200	ug/Kg
75-15-0	Carbon Disulfide	640	U	69	320	640	ug/Kg
1634-04-4	Methyl tert-butyl Ether	640	U	45	320	640	ug/Kg
79-20-9	Methyl Acetate	640	U	110	320	640	ug/Kg
75-09-2	Methylene Chloride	640	U	52	320	640	ug/Kg
156-60-5	trans-1,2-Dichloroethene	640	U	52	320	640	ug/Kg
75-34-3	1,1-Dichloroethane	640	U	46	320	640	ug/Kg
110-82-7	Cyclohexane	640	U	70	320	640	ug/Kg
78-93-3	2-Butanone	3200	U	170	1600	3200	ug/Kg
56-23-5	Carbon Tetrachloride	640	U	79	320	640	ug/Kg
156-59-2	cis-1,2-Dichloroethene	640	U	45	320	640	ug/Kg
67-66-3	Chloroform	640	U	44	320	640	ug/Kg
71-55-6	1,1,1-Trichloroethane	640	U	51	320	640	ug/Kg
108-87-2	Methylcyclohexane	640	U	87	320	640	ug/Kg
71-43-2	Benzene	640	U	41	320	640	ug/Kg
107-06-2	1,2-Dichloroethane	640	U	61	320	640	ug/Kg
79-01-6	Trichloroethene	640	U	36	320	640	ug/Kg
78-87-5	1,2-Dichloropropane	640	U	59	320	640	ug/Kg
75-27-4	Bromodichloromethane	640	U	46	320	640	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3200	U	270	1600	3200	ug/Kg
108-88-3	Toluene	640	U	47	320	640	ug/Kg
10061-02-6	t-1,3-Dichloropropene	640	U	37	320	640	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	640	U	40	320	640	ug/Kg
79-00-5	1,1,2-Trichloroethane	640	U	49	320	640	ug/Kg
591-78-6	2-Hexanone	3200	U	250	1600	3200	ug/Kg
124-48-1	Dibromochloromethane	640	U	67	320	640	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-05-9-10DL	SDG No.:	C1610
Lab Sample ID:	C1610-17DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	22
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE021434.D	1		03/28/11	VE032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	640	U	52	320	640	ug/Kg
127-18-4	Tetrachloroethene	4400	D	35	320	640	ug/Kg
108-90-7	Chlorobenzene	640	U	63	320	640	ug/Kg
100-41-4	Ethyl Benzene	640	U	68	320	640	ug/Kg
179601-23-1	m/p-Xylenes	1300	U	120	650	1300	ug/Kg
95-47-6	o-Xylene	640	U	55	320	640	ug/Kg
100-42-5	Styrene	640	U	46	320	640	ug/Kg
75-25-2	Bromoform	640	U	60	320	640	ug/Kg
98-82-8	Isopropylbenzene	640	U	58	320	640	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	640	U	40	320	640	ug/Kg
541-73-1	1,3-Dichlorobenzene	640	U	55	320	640	ug/Kg
106-46-7	1,4-Dichlorobenzene	640	U	41	320	640	ug/Kg
95-50-1	1,2-Dichlorobenzene	640	U	58	320	640	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	640	U	59	320	640	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	640	U	79	320	640	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.1		55 - 158		90%	SPK: 50
1868-53-7	Dibromofluoromethane	46.3		53 - 156		93%	SPK: 50
2037-26-5	Toluene-d8	43.4		68 - 122		87%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.6		25 - 144		83%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1749110	9.42				
540-36-3	1,4-Difluorobenzene	3149970	10.52				
3114-55-4	Chlorobenzene-d5	2819540	14.92				
3855-82-1	1,4-Dichlorobenzene-d4	1292910	18.72				

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-05-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-18	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032302.D	1		03/25/11	VD032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	2		0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	110		0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	27		0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-05-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-18	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032302.D	1		03/25/11	VD032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	350	E	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.2		66 - 150		98%	SPK: 50
1868-53-7	Dibromofluoromethane	54.6		76 - 130		109%	SPK: 50
2037-26-5	Toluene-d8	47.7		78 - 121		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	61.5		70 - 131		123%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	732336	4.17				
540-36-3	1,4-Difluorobenzene	1134720	4.8				
3114-55-4	Chlorobenzene-d5	1822550	7.79				
3855-82-1	1,4-Dichlorobenzene-d4	959121	9.72				

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-05-GW-13DL	SDG No.:	C1610
Lab Sample ID:	C1610-18DL	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032382.D	10		03/28/11	VD032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10	U	2	5	10	ug/L
74-87-3	Chloromethane	10	U	2	5	10	ug/L
75-01-4	Vinyl Chloride	10	U	3.4	5	10	ug/L
74-83-9	Bromomethane	10	U	2	5	10	ug/L
75-00-3	Chloroethane	10	U	2	5	10	ug/L
75-69-4	Trichlorofluoromethane	10	U	3.5	5	10	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10	U	4.5	5	10	ug/L
75-35-4	1,1-Dichloroethene	10	U	4.7	5	10	ug/L
67-64-1	Acetone	50	U	5	25	50	ug/L
75-15-0	Carbon Disulfide	10	U	2	5	10	ug/L
1634-04-4	Methyl tert-butyl Ether	10	U	3.5	5	10	ug/L
79-20-9	Methyl Acetate	10	U	2	5	10	ug/L
75-09-2	Methylene Chloride	10	U	4.1	5	10	ug/L
156-60-5	trans-1,2-Dichloroethene	10	U	4.1	5	10	ug/L
75-34-3	1,1-Dichloroethane	10	U	3.6	5	10	ug/L
110-82-7	Cyclohexane	10	U	2	5	10	ug/L
78-93-3	2-Butanone	50	U	13	25	50	ug/L
56-23-5	Carbon Tetrachloride	10	U	2	5	10	ug/L
156-59-2	cis-1,2-Dichloroethene	110	D	3.5	5	10	ug/L
67-66-3	Chloroform	10	U	3.4	5	10	ug/L
71-55-6	1,1,1-Trichloroethane	10	U	4	5	10	ug/L
108-87-2	Methylcyclohexane	10	U	2	5	10	ug/L
71-43-2	Benzene	10	U	3.2	5	10	ug/L
107-06-2	1,2-Dichloroethane	10	U	4.8	5	10	ug/L
79-01-6	Trichloroethene	28	D	2.8	5	10	ug/L
78-87-5	1,2-Dichloropropane	10	U	4.6	5	10	ug/L
75-27-4	Bromodichloromethane	10	U	3.6	5	10	ug/L
108-10-1	4-Methyl-2-Pentanone	50	U	21	25	50	ug/L
108-88-3	Toluene	10	U	3.7	5	10	ug/L
10061-02-6	t-1,3-Dichloropropene	10	U	2.9	5	10	ug/L
10061-01-5	cis-1,3-Dichloropropene	10	U	3.1	5	10	ug/L
79-00-5	1,1,2-Trichloroethane	10	U	3.8	5	10	ug/L
591-78-6	2-Hexanone	50	U	19	25	50	ug/L
124-48-1	Dibromochloromethane	10	U	2	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-05-GW-13DL	SDG No.:	C1610
Lab Sample ID:	C1610-18DL	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032382.D	10		03/28/11	VD032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	10	U	4.1	5	10	ug/L
127-18-4	Tetrachloroethene	670	D	2.7	5	10	ug/L
108-90-7	Chlorobenzene	10	U	4.9	5	10	ug/L
100-41-4	Ethyl Benzene	10	U	2	5	10	ug/L
179601-23-1	m/p-Xylenes	20	U	9.5	10	20	ug/L
95-47-6	o-Xylene	10	U	4.3	5	10	ug/L
100-42-5	Styrene	10	U	3.6	5	10	ug/L
75-25-2	Bromoform	10	U	4.7	5	10	ug/L
98-82-8	Isopropylbenzene	10	U	4.5	5	10	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10	U	3.1	5	10	ug/L
541-73-1	1,3-Dichlorobenzene	10	U	4.3	5	10	ug/L
106-46-7	1,4-Dichlorobenzene	10	U	3.2	5	10	ug/L
95-50-1	1,2-Dichlorobenzene	10	U	4.5	5	10	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	4.6	5	10	ug/L
120-82-1	1,2,4-Trichlorobenzene	10	U	2	5	10	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.8		66 - 150		94%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		76 - 130		107%	SPK: 50
2037-26-5	Toluene-d8	44.6		78 - 121		89%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.3		70 - 131		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	818615	4.17				
540-36-3	1,4-Difluorobenzene	1210890	4.8				
3114-55-4	Chlorobenzene-d5	1791850	7.78				
3855-82-1	1,4-Dichlorobenzene-d4	1036550	9.71				

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-05-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-19	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032303.D	1		03/25/11	VD032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	2.8		0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	75		0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	49		0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-05-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-19	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032303.D	1		03/25/11	VD032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	460	E	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.2		66 - 150		96%	SPK: 50
1868-53-7	Dibromofluoromethane	55.6		76 - 130		111%	SPK: 50
2037-26-5	Toluene-d8	46.8		78 - 121		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	61.2		70 - 131		122%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	763119	4.17				
540-36-3	1,4-Difluorobenzene	1162580	4.8				
3114-55-4	Chlorobenzene-d5	1779730	7.78				
3855-82-1	1,4-Dichlorobenzene-d4	957326	9.71				
TENTITIVE IDENTIFIED COMPOUNDS							
103-65-1	n-propylbenzene	0.70	J			8.94	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-05-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-19	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032303.D	1		03/25/11	VD032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-05-GW-25DL	SDG No.:	C1610
Lab Sample ID:	C1610-19DL	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032383.D	20		03/28/11	VD032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20	U	4	10	20	ug/L
74-87-3	Chloromethane	20	U	4	10	20	ug/L
75-01-4	Vinyl Chloride	20	U	6.8	10	20	ug/L
74-83-9	Bromomethane	20	U	4	10	20	ug/L
75-00-3	Chloroethane	20	U	4	10	20	ug/L
75-69-4	Trichlorofluoromethane	20	U	7	10	20	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20	U	9	10	20	ug/L
75-35-4	1,1-Dichloroethene	20	U	9.4	10	20	ug/L
67-64-1	Acetone	100	U	10	50	100	ug/L
75-15-0	Carbon Disulfide	20	U	4	10	20	ug/L
1634-04-4	Methyl tert-butyl Ether	20	U	7	10	20	ug/L
79-20-9	Methyl Acetate	20	U	4	10	20	ug/L
75-09-2	Methylene Chloride	20	U	8.2	10	20	ug/L
156-60-5	trans-1,2-Dichloroethene	20	U	8.2	10	20	ug/L
75-34-3	1,1-Dichloroethane	20	U	7.2	10	20	ug/L
110-82-7	Cyclohexane	20	U	4	10	20	ug/L
78-93-3	2-Butanone	100	U	26	50	100	ug/L
56-23-5	Carbon Tetrachloride	20	U	4	10	20	ug/L
156-59-2	cis-1,2-Dichloroethene	87	D	7	10	20	ug/L
67-66-3	Chloroform	20	U	6.8	10	20	ug/L
71-55-6	1,1,1-Trichloroethane	20	U	8	10	20	ug/L
108-87-2	Methylcyclohexane	20	U	4	10	20	ug/L
71-43-2	Benzene	20	U	6.4	10	20	ug/L
107-06-2	1,2-Dichloroethane	20	U	9.6	10	20	ug/L
79-01-6	Trichloroethene	62	D	5.6	10	20	ug/L
78-87-5	1,2-Dichloropropane	20	U	9.2	10	20	ug/L
75-27-4	Bromodichloromethane	20	U	7.2	10	20	ug/L
108-10-1	4-Methyl-2-Pentanone	100	U	42	50	100	ug/L
108-88-3	Toluene	20	U	7.4	10	20	ug/L
10061-02-6	t-1,3-Dichloropropene	20	U	5.8	10	20	ug/L
10061-01-5	cis-1,3-Dichloropropene	20	U	6.2	10	20	ug/L
79-00-5	1,1,2-Trichloroethane	20	U	7.6	10	20	ug/L
591-78-6	2-Hexanone	100	U	39	50	100	ug/L
124-48-1	Dibromochloromethane	20	U	4	10	20	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-05-GW-25DL	SDG No.:	C1610
Lab Sample ID:	C1610-19DL	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032383.D	20		03/28/11	VD032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	20	U	8.2	10	20	ug/L
127-18-4	Tetrachloroethene	1300	D	5.4	10	20	ug/L
108-90-7	Chlorobenzene	20	U	9.8	10	20	ug/L
100-41-4	Ethyl Benzene	20	U	4	10	20	ug/L
179601-23-1	m/p-Xylenes	40	U	19	20	40	ug/L
95-47-6	o-Xylene	20	U	8.6	10	20	ug/L
100-42-5	Styrene	20	U	7.2	10	20	ug/L
75-25-2	Bromoform	20	U	9.4	10	20	ug/L
98-82-8	Isopropylbenzene	20	U	9	10	20	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20	U	6.2	10	20	ug/L
541-73-1	1,3-Dichlorobenzene	20	U	8.6	10	20	ug/L
106-46-7	1,4-Dichlorobenzene	20	U	6.4	10	20	ug/L
95-50-1	1,2-Dichlorobenzene	20	U	9	10	20	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20	U	9.2	10	20	ug/L
120-82-1	1,2,4-Trichlorobenzene	20	U	4	10	20	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	44.6		66 - 150		89%	SPK: 50
1868-53-7	Dibromofluoromethane	55		76 - 130		110%	SPK: 50
2037-26-5	Toluene-d8	44.1		78 - 121		88%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.4		70 - 131		117%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	807728	4.17				
540-36-3	1,4-Difluorobenzene	1152830	4.8				
3114-55-4	Chlorobenzene-d5	1849220	7.78				
3855-82-1	1,4-Dichlorobenzene-d4	1024540	9.72				

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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* = Values outside of QC limits
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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-06-10-11	SDG No.:	C1610
Lab Sample ID:	C1610-20	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	20
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK044005.D	1		03/28/11	VK032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	6.2	U	0.81	3.1	6.2	ug/Kg
74-87-3	Chloromethane	6.2	U	1.1	3.1	6.2	ug/Kg
75-01-4	Vinyl Chloride	6.2	U	1.5	3.1	6.2	ug/Kg
74-83-9	Bromomethane	6.2	U	3	3.1	6.2	ug/Kg
75-00-3	Chloroethane	6.2	U	1.7	3.1	6.2	ug/Kg
75-69-4	Trichlorofluoromethane	6.2	U	1.6	3.1	6.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.2	U	1.6	3.1	6.2	ug/Kg
75-35-4	1,1-Dichloroethene	6.2	U	1.8	3.1	6.2	ug/Kg
67-64-1	Acetone	31	U	3.7	15.5	31	ug/Kg
75-15-0	Carbon Disulfide	6.2	U	1.3	3.1	6.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.2	U	1.2	3.1	6.2	ug/Kg
79-20-9	Methyl Acetate	6.2	U	1.9	3.1	6.2	ug/Kg
75-09-2	Methylene Chloride	6.2	U	1.8	3.1	6.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.3	J	0.86	3.1	6.2	ug/Kg
75-34-3	1,1-Dichloroethane	6.2	U	1.2	3.1	6.2	ug/Kg
110-82-7	Cyclohexane	6.2	U	1.3	3.1	6.2	ug/Kg
78-93-3	2-Butanone	31	U	3.9	15.5	31	ug/Kg
56-23-5	Carbon Tetrachloride	6.2	U	1.2	3.1	6.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	87		1.1	3.1	6.2	ug/Kg
67-66-3	Chloroform	6.2	U	0.92	3.1	6.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	6.2	U	1.1	3.1	6.2	ug/Kg
108-87-2	Methylcyclohexane	6.2	U	1.3	3.1	6.2	ug/Kg
71-43-2	Benzene	9.3		0.47	3.1	6.2	ug/Kg
107-06-2	1,2-Dichloroethane	6.2	U	0.79	3.1	6.2	ug/Kg
79-01-6	Trichloroethene	19		1.1	3.1	6.2	ug/Kg
78-87-5	1,2-Dichloropropane	6.2	U	0.32	3.1	6.2	ug/Kg
75-27-4	Bromodichloromethane	6.2	U	0.77	3.1	6.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	31	U	3.6	15.5	31	ug/Kg
108-88-3	Toluene	6.2	U	0.79	3.1	6.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.2	U	0.98	3.1	6.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.2	U	0.89	3.1	6.2	ug/Kg
79-00-5	1,1,2-Trichloroethane	6.2	U	1.1	3.1	6.2	ug/Kg
591-78-6	2-Hexanone	31	U	4.9	15.5	31	ug/Kg
124-48-1	Dibromochloromethane	6.2	U	0.67	3.1	6.2	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-06-10-11	SDG No.:	C1610
Lab Sample ID:	C1610-20	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	20
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK044005.D	1		03/28/11	VK032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	6.2	U	0.79	3.1	6.2	ug/Kg
127-18-4	Tetrachloroethene	130	E	1.3	3.1	6.2	ug/Kg
108-90-7	Chlorobenzene	6.2	U	0.62	3.1	6.2	ug/Kg
100-41-4	Ethyl Benzene	6.2	U	0.77	3.1	6.2	ug/Kg
179601-23-1	m/p-Xylenes	12	U	0.89	6	12	ug/Kg
95-47-6	o-Xylene	6.2	U	0.84	3.1	6.2	ug/Kg
100-42-5	Styrene	6.2	U	0.56	3.1	6.2	ug/Kg
75-25-2	Bromoform	6.2	U	0.92	3.1	6.2	ug/Kg
98-82-8	Isopropylbenzene	6.2	U	0.6	3.1	6.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.2	U	0.57	3.1	6.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.2	U	0.46	3.1	6.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.2	U	0.51	3.1	6.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.2	U	0.77	3.1	6.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.2	U	1.1	3.1	6.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.2	U	0.87	3.1	6.2	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.8		55 - 158		100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		53 - 156		99%	SPK: 50
2037-26-5	Toluene-d8	50.4		68 - 122		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.4		25 - 144		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	869964	3.1				
540-36-3	1,4-Difluorobenzene	1521840	3.49				
3114-55-4	Chlorobenzene-d5	1531950	6.15				
3855-82-1	1,4-Dichlorobenzene-d4	720862	8.52				

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-06-10-11DL	SDG No.:	C1610
Lab Sample ID:	C1610-20DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	20
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE021433.D	1		03/28/11	VE032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	620	U	68	310	620	ug/Kg
74-87-3	Chloromethane	620	U	67	310	620	ug/Kg
75-01-4	Vinyl Chloride	620	U	42	310	620	ug/Kg
74-83-9	Bromomethane	620	U	77	310	620	ug/Kg
75-00-3	Chloroethane	620	U	82	310	620	ug/Kg
75-69-4	Trichlorofluoromethane	620	U	43	310	620	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	620	U	56	310	620	ug/Kg
75-35-4	1,1-Dichloroethene	620	U	58	310	620	ug/Kg
67-64-1	Acetone	3100	U	340	1550	3100	ug/Kg
75-15-0	Carbon Disulfide	620	U	67	310	620	ug/Kg
1634-04-4	Methyl tert-butyl Ether	620	U	43	310	620	ug/Kg
79-20-9	Methyl Acetate	620	U	100	310	620	ug/Kg
75-09-2	Methylene Chloride	620	U	51	310	620	ug/Kg
156-60-5	trans-1,2-Dichloroethene	620	U	51	310	620	ug/Kg
75-34-3	1,1-Dichloroethane	620	U	45	310	620	ug/Kg
110-82-7	Cyclohexane	620	U	68	310	620	ug/Kg
78-93-3	2-Butanone	3100	U	160	1550	3100	ug/Kg
56-23-5	Carbon Tetrachloride	620	U	77	310	620	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1400	D	43	310	620	ug/Kg
67-66-3	Chloroform	620	U	42	310	620	ug/Kg
71-55-6	1,1,1-Trichloroethane	620	U	50	310	620	ug/Kg
108-87-2	Methylcyclohexane	620	U	84	310	620	ug/Kg
71-43-2	Benzene	150	JD	40	310	620	ug/Kg
107-06-2	1,2-Dichloroethane	620	U	60	310	620	ug/Kg
79-01-6	Trichloroethene	590	JD	35	310	620	ug/Kg
78-87-5	1,2-Dichloropropane	620	U	57	310	620	ug/Kg
75-27-4	Bromodichloromethane	620	U	45	310	620	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3100	U	260	1550	3100	ug/Kg
108-88-3	Toluene	620	U	46	310	620	ug/Kg
10061-02-6	t-1,3-Dichloropropene	620	U	36	310	620	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	620	U	38	310	620	ug/Kg
79-00-5	1,1,2-Trichloroethane	620	U	47	310	620	ug/Kg
591-78-6	2-Hexanone	3100	U	240	1550	3100	ug/Kg
124-48-1	Dibromochloromethane	620	U	64	310	620	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-06-10-11DL	SDG No.:	C1610
Lab Sample ID:	C1610-20DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	20
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE021433.D	1		03/28/11	VE032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	620	U	51	310	620	ug/Kg
127-18-4	Tetrachloroethene	6800	D	33	310	620	ug/Kg
108-90-7	Chlorobenzene	620	U	61	310	620	ug/Kg
100-41-4	Ethyl Benzene	620	U	66	310	620	ug/Kg
179601-23-1	m/p-Xylenes	1200	U	120	600	1200	ug/Kg
95-47-6	o-Xylene	620	U	53	310	620	ug/Kg
100-42-5	Styrene	620	U	45	310	620	ug/Kg
75-25-2	Bromoform	620	U	58	310	620	ug/Kg
98-82-8	Isopropylbenzene	620	U	56	310	620	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	620	U	38	310	620	ug/Kg
541-73-1	1,3-Dichlorobenzene	620	U	53	310	620	ug/Kg
106-46-7	1,4-Dichlorobenzene	620	U	40	310	620	ug/Kg
95-50-1	1,2-Dichlorobenzene	620	U	56	310	620	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	620	U	57	310	620	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	620	U	77	310	620	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	29.2		55 - 158		58%	SPK: 50
1868-53-7	Dibromofluoromethane	30.4		53 - 156		61%	SPK: 50
2037-26-5	Toluene-d8	29.2	*	68 - 122		58%	SPK: 50
460-00-4	4-Bromofluorobenzene	28.4		25 - 144		57%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	2559780	9.42				
540-36-3	1,4-Difluorobenzene	4596850	10.51				
3114-55-4	Chlorobenzene-d5	4115730	14.92				
3855-82-1	1,4-Dichlorobenzene-d4	1880510	18.73				

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-06-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-21	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH039920.D	1		03/25/11	VH032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	8.4		0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.68	J	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	16		0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	6.2		0.2	0.5	1	ug/L
71-43-2	Benzene	1.4		0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-06-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-21	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH039920.D	1		03/25/11	VH032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	3.5		0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1.1		0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	96		0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.4		66 - 150		111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		76 - 130		103%	SPK: 50
2037-26-5	Toluene-d8	48.7		78 - 121		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.2		70 - 131		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	387426	4.08				
540-36-3	1,4-Difluorobenzene	671154	4.59				
3114-55-4	Chlorobenzene-d5	555069	7.94				
3855-82-1	1,4-Dichlorobenzene-d4	226078	10.43				
TENTITIVE IDENTIFIED COMPOUNDS							
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	12	J			6.95	ug/L
007667-60-9	Cyclohexane, 1,2,4-trimethyl-, (1.	11	J			7.23	ug/L
059643-68-4	3,5-Dimethyl-3-heptene	23	J			8.34	ug/L
000110-83-8	Cyclohexene	24	J			8.59	ug/L
001678-92-8	Cyclohexane, propyl-	51	J			8.7	ug/L
014676-29-0	Heptane, 3-ethyl-2-methyl-	17	J			8.82	ug/L
017615-91-7	Undecane, 5,6-dimethyl-	13	J			9.02	ug/L
004057-42-5	2-Octene, 2,6-dimethyl-	30	J			9.24	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-06-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-21	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH039920.D	1		03/25/11	VH032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
103-65-1	n-propylbenzene	170	J			9.52	ug/L
	unknown9.69	16	J			9.69	ug/L
002847-72-5	Decane, 4-methyl-	50	J			9.89	ug/L
98-06-6	tert-Butylbenzene	18	J			10.02	ug/L
135-98-8	sec-Butylbenzene	69	J			10.19	ug/L
99-87-6	p-Isopropyltoluene	3.2	J			10.34	ug/L
104-51-8	n-Butylbenzene	37	J			10.71	ug/L
91-20-3	Naphthalene	6.7	J			12.28	ug/L

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-06-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-22	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032304.D	1		03/25/11	VD032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	30		0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	0.54	J	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	47		0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1.1		0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	2.3		0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-06-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-22	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032304.D	1		03/25/11	VD032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	7.7		0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	0.54	J	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48		66 - 150		96%	SPK: 50
1868-53-7	Dibromofluoromethane	54.8		76 - 130		110%	SPK: 50
2037-26-5	Toluene-d8	47.8		78 - 121		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.8		70 - 131		120%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	786416	4.17				
540-36-3	1,4-Difluorobenzene	1203860	4.8				
3114-55-4	Chlorobenzene-d5	1769870	7.78				
3855-82-1	1,4-Dichlorobenzene-d4	959844	9.72				
TENTITIVE IDENTIFIED COMPOUNDS							
059643-68-4	3,5-Dimethyl-3-heptene	8.5	J			8.06	ug/L
004551-51-3	1H-Indene, octahydro-, cis-	8.9	J			8.24	ug/L
002114-42-3	Cyclohexane, 2-propenyl-	6.9	J			8.32	ug/L
103-65-1	n-propylbenzene	0.97	J			8.95	ug/L
98-06-6	tert-Butylbenzene	2.3	J			9.36	ug/L
135-98-8	sec-Butylbenzene	1.3	J			9.5	ug/L
000493-02-7	Naphthalene, decahydro-, trans-	5.1	J			9.78	ug/L
104-51-8	n-Butylbenzene	0.64	J			9.94	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-06-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-22	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032304.D	1		03/25/11	VD032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/16/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	TRIPBLANK	SDG No.:	C1610
Lab Sample ID:	C1610-23	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032299.D	1		03/25/11	VD032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/16/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	TRIPBLANK	SDG No.:	C1610
Lab Sample ID:	C1610-23	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Test:	VOC-TCLVOA-10		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD032299.D	1		03/25/11	VD032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.5		66 - 150		95%	SPK: 50
1868-53-7	Dibromofluoromethane	55.1		76 - 130		110%	SPK: 50
2037-26-5	Toluene-d8	48.7		78 - 121		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	63		70 - 131		126%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	730443	4.17				
540-36-3	1,4-Difluorobenzene	1079640	4.8				
3114-55-4	Chlorobenzene-d5	1718930	7.79				
3855-82-1	1,4-Dichlorobenzene-d4	953202	9.71				

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Hit Summary Sheet
SW-846

SDG No.: C1610

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter	Concentration		C	RDL	MDL	Units
Client ID:	**DUP-1**								
C1610-01	DUP-1	WATER	n-propylbenzene	*	16.00	J	1.0	0.45	ug/L
C1610-01	DUP-1	WATER	1,3,5-Trimethylbenzene	*	4.00	J	1.0	0.46	ug/L
C1610-01	DUP-1	WATER	tert-Butylbenzene	*	3.80	J	1.0	0.44	ug/L
C1610-01	DUP-1	WATER	1,2,4-Trimethylbenzene	*	25.00	J	1.0	0.38	ug/L
C1610-01	DUP-1	WATER	sec-Butylbenzene	*	15.00	J	1.0	0.46	ug/L
C1610-01	DUP-1	WATER	p-Isopropyltoluene	*	5.80	J	1.0	0.43	ug/L
C1610-01	DUP-1	WATER	n-Butylbenzene	*	12.00	J	1.0	0.41	ug/L
C1610-01	DUP-1	WATER	Naphthalene	*	4.50	J	1.0	0.20	ug/L
C1610-01	DUP-1	WATER	unknown7.62	*	19.00	J	0	0	ug/L
C1610-01	DUP-1	WATER	Benzene, 1,2,4,5-tetramethyl-	*	16.00	J	0	0	ug/L
C1610-01	DUP-1	WATER	Benzene, 1,4-diethyl-	*	11.00	J	0	0	ug/L
C1610-01	DUP-1	WATER	Benzene, 1,2-diethyl-	*	26.00	J	0	0	ug/L
C1610-01	DUP-1	WATER	Benzene, 1-methyl-2-(1-methylet	*	23.00	J	0	0	ug/L
C1610-01	DUP-1	WATER	Benzene, 1-methyl-3-(1-methylet	*	14.00	J	0	0	ug/L
C1610-01	DUP-1	WATER	Benzene, 1-ethyl-2,4-dimethyl-	*	28.00	J	0	0	ug/L
C1610-01	DUP-1	WATER	Benzene, 4-ethyl-1,2-dimethyl-	*	18.00	J	0	0	ug/L
C1610-01	DUP-1	WATER	Benzene, 1-methyl-2-(2-propenyl	*	22.00	J	0	0	ug/L
C1610-01	DUP-1	WATER	1-Ethyl-3-methylcyclohexane (c,	*	15.00	J	0	0	ug/L
			Total Tics :			**278.10**			
			Total Concentration:			**278.10**			
Client ID:	**PZ-1**								
C1610-08	PZ-1	WATER	n-propylbenzene	*	0.86	J	1.0	0.45	ug/L
C1610-08	PZ-1	WATER	1,3,5-Trimethylbenzene	*	1.80	J	1.0	0.46	ug/L
C1610-08	PZ-1	WATER	4-Chlorotoluene	*	1.60	J	1.0	0.42	ug/L
C1610-08	PZ-1	WATER	tert-Butylbenzene	*	1.90	J	1.0	0.44	ug/L
C1610-08	PZ-1	WATER	1,2,4-Trimethylbenzene	*	1.30	J	1.0	0.38	ug/L
C1610-08	PZ-1	WATER	sec-Butylbenzene	*	0.79	J	1.0	0.46	ug/L
C1610-08	PZ-1	WATER	p-Isopropyltoluene	*	1.00	J	1.0	0.43	ug/L
C1610-08	PZ-1	WATER	n-Butylbenzene	*	0.87	J	1.0	0.41	ug/L
C1610-08	PZ-1	WATER	Hexachlorobutadiene	*	1.30	J	1.0	0.20	ug/L
C1610-08	PZ-1	WATER	Naphthalene	*	2.90	J	1.0	0.20	ug/L
C1610-08	PZ-1	WATER	1,2,3-Trichlorobenzene	*	2.40	J	1.0	0.20	ug/L
			Total Tics :			**16.72**			
			Total Concentration:			**16.72**			
Client ID:	**SB-01-12-13**								
C1610-02	SB-01-12-13	SOIL	Methylene Chloride		2,400.00	J	5800	480	ug/Kg
C1610-02	SB-01-12-13	SOIL	Isopropylbenzene		9,500.00		5800	530	ug/Kg
			Total Voc :			**11,900.00**			

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Hit Summary Sheet
SW-846

SDG No.: C1610

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration		C	RDL	MDL	Units
C1610-02	SB-01-12-13	SOIL	n-propylbenzene	*	24,000.00	J	5800	530	ug/Kg
C1610-02	SB-01-12-13	SOIL	sec-Butylbenzene	*	33,000.00	J	5800	540	ug/Kg
C1610-02	SB-01-12-13	SOIL	n-Butylbenzene	*	54,000.00	J	5800	480	ug/Kg
C1610-02	SB-01-12-13	SOIL	Naphthalene	*	7,800.00	J	5800	780	ug/Kg
C1610-02	SB-01-12-13	SOIL	unknown16.30	*	260,000.00	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	unknown16.98	*	230,000.00	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	Naphthalene, decahydro-	*	220,000.00	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	Cyclohexane, propyl-	*	170,000.00	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	Octane, 2,6-dimethyl-	*	210,000.00	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	Cycloheptane, methyl-	*	210,000.00	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	Decane, 3-methyl-	*	170,000.00	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	Semustine	*	270,000.00	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	Heptane, 3-ethyl-2-methyl-	*	180,000.00	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	Nonane, 2,6-dimethyl-	*	240,000.00	J	0	0	ug/Kg
			Total Tics :		**2,278,800.00**				
			Total Concentration:		**2,290,700.00**				
Client ID:	**SB-01-GW-13**								
C1610-03	SB-01-GW-13	WATER	n-propylbenzene	*	140.00	J	1.0	0.45	ug/L
C1610-03	SB-01-GW-13	WATER	tert-Butylbenzene	*	9.30	J	1.0	0.44	ug/L
C1610-03	SB-01-GW-13	WATER	sec-Butylbenzene	*	72.00	J	1.0	0.46	ug/L
C1610-03	SB-01-GW-13	WATER	n-Butylbenzene	*	45.00	J	1.0	0.41	ug/L
C1610-03	SB-01-GW-13	WATER	Naphthalene	*	3.20	J	1.0	0.20	ug/L
C1610-03	SB-01-GW-13	WATER	unknown8.60	*	28.00	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	Benzene, 1,2,4,5-tetramethyl-	*	130.00	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	Benzene, 1-methyl-4-(1-methylet	*	36.00	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	Benzene, 1,2,3,4-tetramethyl-	*	66.00	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	Benzene, 1-ethenyl-2-methyl-	*	260.00	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	Cyclohexane, (1-methylethyl)-	*	45.00	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	Benzene, (2-methyl-1-propenyl)-	*	110.00	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	Benzene, 1-ethyl-2,4-dimethyl-	*	54.00	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	Benzene, 4-ethyl-1,2-dimethyl-	*	140.00	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	Benzene, (1-ethyl-1-propenyl)-	*	34.00	J	0	0	ug/L
			Total Tics :		**1,172.50**				
			Total Concentration:		**1,172.50**				
Client ID:	**SB-01-GW-25**								
C1610-04	SB-01-GW-25	WATER	n-propylbenzene	*	2.40	J	1.0	0.45	ug/L
C1610-04	SB-01-GW-25	WATER	1,3,5-Trimethylbenzene	*	1.70	J	1.0	0.46	ug/L
C1610-04	SB-01-GW-25	WATER	tert-Butylbenzene	*	1.90	J	1.0	0.44	ug/L
C1610-04	SB-01-GW-25	WATER	1,2,4-Trimethylbenzene	*	1.40	J	1.0	0.38	ug/L

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Hit Summary Sheet
SW-846

SDG No.: C1610

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
C1610-04	SB-01-GW-25	WATER	sec-Butylbenzene	*	1.70	J	1.0	0.46	ug/L
C1610-04	SB-01-GW-25	WATER	p-Isopropyltoluene	*	0.95	J	1.0	0.43	ug/L
C1610-04	SB-01-GW-25	WATER	n-Butylbenzene	*	1.60	J	1.0	0.41	ug/L
C1610-04	SB-01-GW-25	WATER	Naphthalene	*	2.80	J	1.0	0.20	ug/L
C1610-04	SB-01-GW-25	WATER	1,2,3-Trichlorobenzene	*	0.83	J	1.0	0.20	ug/L
			Total Tics :			**15.28**			
			Total Concentration:			**15.28**			
Client ID:	**SB-02-11-12**								
C1610-05	SB-02-11-12	SOIL	Chloromethane		560.00	J	580	63	ug/Kg
C1610-05	SB-02-11-12	SOIL	cis-1,2-Dichloroethene		170.00	J	580	41	ug/Kg
C1610-05	SB-02-11-12	SOIL	Methylcyclohexane		2,800.00		580	79	ug/Kg
C1610-05	SB-02-11-12	SOIL	Ethyl Benzene		1,000.00		580	62	ug/Kg
C1610-05	SB-02-11-12	SOIL	m/p-Xylenes		350.00	J	1200	110	ug/Kg
C1610-05	SB-02-11-12	SOIL	o-Xylene		560.00	J	580	50	ug/Kg
C1610-05	SB-02-11-12	SOIL	Isopropylbenzene		4,900.00		580	53	ug/Kg
			Total Voc :			**10,340.00**			
C1610-05	SB-02-11-12	SOIL	n-propylbenzene	*	12,000.00	J	580	53	ug/Kg
C1610-05	SB-02-11-12	SOIL	1,3,5-Trimethylbenzene	*	7,700.00	J	580	54	ug/Kg
C1610-05	SB-02-11-12	SOIL	1,2,4-Trimethylbenzene	*	38,000.00	J	580	44	ug/Kg
C1610-05	SB-02-11-12	SOIL	sec-Butylbenzene	*	16,000.00	J	580	54	ug/Kg
C1610-05	SB-02-11-12	SOIL	p-Isopropyltoluene	*	10,000.00	J	580	50	ug/Kg
C1610-05	SB-02-11-12	SOIL	n-Butylbenzene	*	35,000.00	J	580	48	ug/Kg
C1610-05	SB-02-11-12	SOIL	Naphthalene	*	2,700.00	J	580	78	ug/Kg
C1610-05	SB-02-11-12	SOIL	Methyl Iodide	*	960.00	J	580	580	ug/Kg
C1610-05	SB-02-11-12	SOIL	unknown16.29	*	71,000.00	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	unknown16.59	*	39,000.00	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	Cyclohexane, ethyl-	*	16,000.00	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	Cyclohexane, propyl-	*	79,000.00	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	Octane, 2,6-dimethyl-	*	63,000.00	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	Octane, 4-methyl-	*	21,000.00	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	Cyclohexane, 1-ethyl-2-methyl-	*	19,000.00	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	Octane, 2,3-dimethyl-	*	60,000.00	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	Octane, 2,5-dimethyl-	*	23,000.00	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	Undecane, 2,6-dimethyl-	*	35,000.00	J	0	0	ug/Kg
			Total Tics :			**548,360.00**			
			Total Concentration:			**558,700.00**			
Client ID:	**SB-02-GW-13**								
C1610-06	SB-02-GW-13	WATER	n-propylbenzene	*	260.00	J	20	9.0	ug/L
C1610-06	SB-02-GW-13	WATER	1,3,5-Trimethylbenzene	*	56.00	J	20	9.2	ug/L

CHEMTECH

Hit Summary Sheet
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SDG No.: C1610

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter	Concentration		C	RDL	MDL	Units
C1610-06	SB-02-GW-13	WATER	tert-Butylbenzene	*	16.00	J	20	8.8	ug/L
C1610-06	SB-02-GW-13	WATER	1,2,4-Trimethylbenzene	*	930.00	J	20	7.6	ug/L
C1610-06	SB-02-GW-13	WATER	sec-Butylbenzene	*	94.00	J	20	9.2	ug/L
C1610-06	SB-02-GW-13	WATER	p-Isopropyltoluene	*	67.00	J	20	8.6	ug/L
C1610-06	SB-02-GW-13	WATER	n-Butylbenzene	*	89.00	J	20	8.2	ug/L
C1610-06	SB-02-GW-13	WATER	Naphthalene	*	120.00	J	20	4.0	ug/L
C1610-06	SB-02-GW-13	WATER	1,2,3-Trichlorobenzene	*	18.00	J	20	4.0	ug/L
C1610-06	SB-02-GW-13	WATER	Benzene, 1,2,4,5-tetramethyl-	*	230.00	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	Indane	*	400.00	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	Benzene, 1-methyl-2-(1-methylet	*	230.00	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	Benzene, 1-ethyl-2-methyl-	*	220.00	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	Benzene, 1-ethyl-4-methyl-	*	110.00	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	Indan, 1-methyl-	*	180.00	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	Benzene, 4-ethyl-1,2-dimethyl-	*	220.00	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	Benzene, 2-ethyl-1,3-dimethyl-	*	130.00	J	0	0	ug/L
			Total Tics :			**3,370.00**			
			Total Concentration:			**3,370.00**			
Client ID:	**SB-02-GW-25**								
C1610-07	SB-02-GW-25	WATER	n-propylbenzene	*	13.00	J	1.0	0.45	ug/L
C1610-07	SB-02-GW-25	WATER	1,3,5-Trimethylbenzene	*	3.60	J	1.0	0.46	ug/L
C1610-07	SB-02-GW-25	WATER	tert-Butylbenzene	*	3.60	J	1.0	0.44	ug/L
C1610-07	SB-02-GW-25	WATER	1,2,4-Trimethylbenzene	*	19.00	J	1.0	0.38	ug/L
C1610-07	SB-02-GW-25	WATER	sec-Butylbenzene	*	12.00	J	1.0	0.46	ug/L
C1610-07	SB-02-GW-25	WATER	p-Isopropyltoluene	*	5.20	J	1.0	0.43	ug/L
C1610-07	SB-02-GW-25	WATER	n-Butylbenzene	*	10.00	J	1.0	0.41	ug/L
C1610-07	SB-02-GW-25	WATER	Naphthalene	*	4.20	J	1.0	0.20	ug/L
C1610-07	SB-02-GW-25	WATER	Benzene, 1,2,4,5-tetramethyl-	*	15.00	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	Benzene, 1,2-diethyl-	*	26.00	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	Benzene, 1-methyl-2-(1-methylet	*	27.00	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	Benzene, 1-methyl-3-(1-methylet	*	17.00	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	Cyclohexane, (1-methylethyl)-	*	19.00	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	Benzene, 1-ethyl-2,4-dimethyl-	*	17.00	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	Benzene, 1-methyl-2-(2-propenyl	*	27.00	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	Benzene, 2-ethyl-1,3-dimethyl-	*	20.00	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	1-Ethyl-3-methylcyclohexane (c,t	*	15.00	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	1H-Indene, octahydro-, cis-	*	18.00	J	0	0	ug/L
			Total Tics :			**271.60**			
			Total Concentration:			**271.60**			
Client ID:	**SB-03-11-12**								

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Hit Summary Sheet
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SDG No.: C1610

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	RDL	MDL	Units
C1610-09	SB-03-11-12	SOIL	Acetone		58.00		30	3.6	ug/Kg
C1610-09	SB-03-11-12	SOIL	2-Butanone		18.00	J	30	3.7	ug/Kg
C1610-09	SB-03-11-12	SOIL	Methylcyclohexane		13.00		5.9	1.3	ug/Kg
C1610-09	SB-03-11-12	SOIL	Ethyl Benzene		28.00		5.9	0.74	ug/Kg
C1610-09	SB-03-11-12	SOIL	Isopropylbenzene		110.00		5.9	0.57	ug/Kg
			Total Voc :			**227.00**			
C1610-09	SB-03-11-12	SOIL	n-propylbenzene	*	190.00	J	5.9	0.43	ug/Kg
C1610-09	SB-03-11-12	SOIL	sec-Butylbenzene	*	190.00	J	5.9	0.62	ug/Kg
C1610-09	SB-03-11-12	SOIL	unknown5.22	*	6.10	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	unknown5.62	*	20.00	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	Cyclohexane, 1,3-dimethyl-, cis-	*	59.00	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	Heptane, 2,6-dimethyl-	*	8.50	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	Benzene, 2-ethyl-1,4-dimethyl-	*	59.00	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	Cyclohexane, 1,1,3-trimethyl-	*	16.00	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	Benzene, (3-methyl-2-butenyl)-	*	22.00	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	cis-1-Ethyl-3-methyl-cyclohexan	*	58.00	J	0	0	ug/Kg
			Total Tics :			**628.60**			
			Total Concentration:			**855.60**			
Client ID:	**SB-03-GW-13**								
C1610-10	SB-03-GW-13	WATER	tert-Butylbenzene	*	17.00	J	1.0	0.44	ug/L
C1610-10	SB-03-GW-13	WATER	sec-Butylbenzene	*	120.00	J	1.0	0.46	ug/L
C1610-10	SB-03-GW-13	WATER	p-Isopropyltoluene	*	6.10	J	1.0	0.43	ug/L
C1610-10	SB-03-GW-13	WATER	n-Butylbenzene	*	56.00	J	1.0	0.41	ug/L
C1610-10	SB-03-GW-13	WATER	Naphthalene	*	3.20	J	1.0	0.20	ug/L
C1610-10	SB-03-GW-13	WATER	Benzene, 1,2,4,5-tetramethyl-	*	110.00	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	Benzeneacetaldehyde	*	450.00	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	Benzene, 1,2-diethyl-	*	190.00	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	Benzene, 1,3-diethyl-	*	140.00	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	Benzene, 1-methyl-2-(1-methylet	*	170.00	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	Benzene, 1-ethyl-2,3-dimethyl-	*	230.00	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	Cyclohexane, butyl-	*	260.00	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	2-Octene, 2,6-dimethyl-	*	170.00	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	Octane, 3,3-dimethyl-	*	310.00	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	Benzene, 1-ethenyl-3-ethyl-	*	210.00	J	0	0	ug/L
			Total Tics :			**2,442.30**			
			Total Concentration:			**2,442.30**			
Client ID:	**SB-03-GW-25**								
C1610-11	SB-03-GW-25	WATER	n-propylbenzene	*	3.00	J	1.0	0.45	ug/L
C1610-11	SB-03-GW-25	WATER	tert-Butylbenzene	*	3.30	J	1.0	0.44	ug/L

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Hit Summary Sheet
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SDG No.: C1610

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter	Concentration		C	RDL	MDL	Units
C1610-11	SB-03-GW-25	WATER	1,2,4-Trimethylbenzene	* 4.50		J	1.0	0.38	ug/L
C1610-11	SB-03-GW-25	WATER	sec-Butylbenzene	* 3.60		J	1.0	0.46	ug/L
C1610-11	SB-03-GW-25	WATER	p-Isopropyltoluene	* 1.00		J	1.0	0.43	ug/L
C1610-11	SB-03-GW-25	WATER	n-Butylbenzene	* 3.00		J	1.0	0.41	ug/L
C1610-11	SB-03-GW-25	WATER	Naphthalene	* 5.00		J	1.0	0.20	ug/L
C1610-11	SB-03-GW-25	WATER	unknown9.44	* 17.00		J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	unknown9.74	* 14.00		J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	unknown9.85	* 15.00		J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	2,4-Hexadiene	* 7.40		J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	Cyclohexane, 1,1,4,4-tetramethyl	* 63.00		J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	Methylenecyclooctane	* 49.00		J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	Octane, 3,3-dimethyl-	* 50.00		J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	Cycloheptanemethanol	* 6.00		J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	Cyclohexanone, 2,3-dimethyl-	* 7.90		J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	1R,2c,3t,4t-Tetramethyl-cyclohex	* 13.00		J	0	0	ug/L
			Total Tics :			**265.70**			
			Total Concentration:			**265.70**			
Client ID:	**SB-04-11-12**								
C1610-14	SB-04-11-12	SOIL	Acetone	14.00		J	31	3.7	ug/Kg
C1610-14	SB-04-11-12	SOIL	cis-1,2-Dichloroethene	39.00			6.1	1.1	ug/Kg
C1610-14	SB-04-11-12	SOIL	Methylcyclohexane	12.00			6.1	1.3	ug/Kg
C1610-14	SB-04-11-12	SOIL	Benzene	1.30		J	6.1	0.46	ug/Kg
C1610-14	SB-04-11-12	SOIL	Trichloroethene	22.00			6.1	1.1	ug/Kg
C1610-14	SB-04-11-12	SOIL	Tetrachloroethene	300.00		E	6.1	1.2	ug/Kg
C1610-14	SB-04-11-12	SOIL	Ethyl Benzene	10.00			6.1	0.76	ug/Kg
C1610-14	SB-04-11-12	SOIL	m/p-Xylenes	19.00			12	0.88	ug/Kg
C1610-14	SB-04-11-12	SOIL	o-Xylene	22.00			6.1	0.83	ug/Kg
C1610-14	SB-04-11-12	SOIL	Isopropylbenzene	26.00			6.1	0.59	ug/Kg
			Total Voc :			**465.30**			
C1610-14	SB-04-11-12	SOIL	n-propylbenzene	* 44.00		J	6.1	0.44	ug/Kg
C1610-14	SB-04-11-12	SOIL	1,3,5-Trimethylbenzene	* 190.00		J	6.1	0.55	ug/Kg
C1610-14	SB-04-11-12	SOIL	tert-Butylbenzene	* 9.90		J	6.1	0.72	ug/Kg
C1610-14	SB-04-11-12	SOIL	1,2,4-Trimethylbenzene	* 150.00		J	6.1	0.61	ug/Kg
C1610-14	SB-04-11-12	SOIL	sec-Butylbenzene	* 34.00		J	6.1	0.64	ug/Kg
C1610-14	SB-04-11-12	SOIL	p-Isopropyltoluene	* 33.00		J	6.1	0.35	ug/Kg
C1610-14	SB-04-11-12	SOIL	n-Butylbenzene	* 35.00		J	6.1	0.56	ug/Kg
C1610-14	SB-04-11-12	SOIL	Naphthalene	* 10.00		J	6.1	0.55	ug/Kg
C1610-14	SB-04-11-12	SOIL	Benzene, 1,2-diethyl-	* 200.00		J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	Benzene, 1,2,3-trimethyl-	* 380.00		J	0	0	ug/Kg

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Hit Summary Sheet
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SDG No.: C1610

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	RDL	MDL	Units
C1610-14	SB-04-11-12	SOIL	Benzene, 1,2,3,5-tetramethyl-	*	130.00	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	Benzene, 1-methyl-2-(1-methylet	*	310.00	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	Benzene, 1-ethyl-2-methyl-	*	300.00	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	Benzene, 1-methyl-3-propyl-	*	150.00	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	Octane, 2,6-dimethyl-	*	140.00	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	Decane, 4-methyl-	*	640.00	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	Cyclohexane, 1-methyl-4-(1-metl	*	140.00	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	4-Octene, 2,6-dimethyl-, [S-(Z)]-	*	470.00	J	0	0	ug/Kg
			Total Tics :			**3,365.90**			
			Total Concentration:			**3,831.20**			
Client ID:	**SB-04-11-12DL**								
C1610-14DL	SB-04-11-12DL	SOIL	cis-1,2-Dichloroethene		760.00	D	610	43	ug/Kg
C1610-14DL	SB-04-11-12DL	SOIL	Methylcyclohexane		700.00	D	610	83	ug/Kg
C1610-14DL	SB-04-11-12DL	SOIL	Trichloroethene		520.00	JD	610	34	ug/Kg
C1610-14DL	SB-04-11-12DL	SOIL	Tetrachloroethene		8,100.00	D	610	33	ug/Kg
C1610-14DL	SB-04-11-12DL	SOIL	Ethyl Benzene		390.00	JD	610	65	ug/Kg
C1610-14DL	SB-04-11-12DL	SOIL	o-Xylene		670.00	D	610	52	ug/Kg
C1610-14DL	SB-04-11-12DL	SOIL	Isopropylbenzene		1,500.00	D	610	55	ug/Kg
			Total Voc :			**12,640.00**			
			Total Concentration:			**12,640.00**			
Client ID:	**SB-04-GW-13**								
C1610-15	SB-04-GW-13	WATER	n-propylbenzene	*	50.00	J	1.0	0.45	ug/L
C1610-15	SB-04-GW-13	WATER	tert-Butylbenzene	*	4.40	J	1.0	0.44	ug/L
C1610-15	SB-04-GW-13	WATER	sec-Butylbenzene	*	23.00	J	1.0	0.46	ug/L
C1610-15	SB-04-GW-13	WATER	n-Butylbenzene	*	12.00	J	1.0	0.41	ug/L
C1610-15	SB-04-GW-13	WATER	unknown8.08	*	29.00	J	0	0	ug/L
C1610-15	SB-04-GW-13	WATER	unknown9.27	*	54.00	J	0	0	ug/L
C1610-15	SB-04-GW-13	WATER	Naphthalene, decahydro-, trans-	*	36.00	J	0	0	ug/L
C1610-15	SB-04-GW-13	WATER	Indane	*	100.00	J	0	0	ug/L
C1610-15	SB-04-GW-13	WATER	Benzene, 1-methyl-2-(1-methylet	*	55.00	J	0	0	ug/L
C1610-15	SB-04-GW-13	WATER	Benzene, (2-methyl-1-propenyl)-	*	53.00	J	0	0	ug/L
C1610-15	SB-04-GW-13	WATER	Benzene, 1-ethyl-2,4-dimethyl-	*	31.00	J	0	0	ug/L
C1610-15	SB-04-GW-13	WATER	Benzene, 4-ethyl-1,2-dimethyl-	*	55.00	J	0	0	ug/L
C1610-15	SB-04-GW-13	WATER	Cyclohexane, propyl-	*	30.00	J	0	0	ug/L
C1610-15	SB-04-GW-13	WATER	Cyclohexane, butyl-	*	71.00	J	0	0	ug/L
			Total Tics :			**603.40**			
			Total Concentration:			**603.40**			
Client ID:	**SB-04-GW-25**								
C1610-16	SB-04-GW-25	WATER	n-propylbenzene	*	1.60	J	1.0	0.45	ug/L
C1610-16	SB-04-GW-25	WATER	1,2,4-Trimethylbenzene	*	0.72	J	1.0	0.38	ug/L

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C1610

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
C1610-16	SB-04-GW-25	WATER	sec-Butylbenzene	*	1.30	J	1.0	0.46	ug/L
C1610-16	SB-04-GW-25	WATER	n-Butylbenzene	*	0.76	J	1.0	0.41	ug/L
			Total Tics :			**4.38**			
			Total Concentration:			**4.38**			
Client ID:	**SB-05-9-10**								
C1610-17	SB-05-9-10	SOIL	cis-1,2-Dichloroethene		8.20		6.4	1.1	ug/Kg
C1610-17	SB-05-9-10	SOIL	Trichloroethene		6.10	J	6.4	1.1	ug/Kg
C1610-17	SB-05-9-10	SOIL	Tetrachloroethene		450.00	E	6.4	1.3	ug/Kg
			Total Voc :			**464.30**			
			Total Concentration:			**464.30**			
Client ID:	**SB-05-9-10DL**								
C1610-17DL	SB-05-9-10DL	SOIL	Tetrachloroethene		4,400.00	D	640	35	ug/Kg
			Total Voc :			**4,400.00**			
			Total Concentration:			**4,400.00**			
Client ID:	**SB-05-GW-25**								
C1610-19	SB-05-GW-25	WATER	n-propylbenzene	*	0.70	J	1.0	0.45	ug/L
			Total Tics :			**0.70**			
			Total Concentration:			**0.70**			
Client ID:	**SB-06-10-11**								
C1610-20	SB-06-10-11	SOIL	trans-1,2-Dichloroethene		1.30	J	6.2	0.86	ug/Kg
C1610-20	SB-06-10-11	SOIL	cis-1,2-Dichloroethene		87.00		6.2	1.1	ug/Kg
C1610-20	SB-06-10-11	SOIL	Benzene		9.30		6.2	0.47	ug/Kg
C1610-20	SB-06-10-11	SOIL	Trichloroethene		19.00		6.2	1.1	ug/Kg
C1610-20	SB-06-10-11	SOIL	Tetrachloroethene		130.00	E	6.2	1.3	ug/Kg
			Total Voc :			**246.60**			
			Total Concentration:			**246.60**			
Client ID:	**SB-06-10-11DL**								
C1610-20DL	SB-06-10-11DL	SOIL	cis-1,2-Dichloroethene		1,400.00	D	620	43	ug/Kg
C1610-20DL	SB-06-10-11DL	SOIL	Benzene		150.00	JD	620	40	ug/Kg
C1610-20DL	SB-06-10-11DL	SOIL	Trichloroethene		590.00	JD	620	35	ug/Kg
C1610-20DL	SB-06-10-11DL	SOIL	Tetrachloroethene		6,800.00	D	620	33	ug/Kg
			Total Voc :			**8,940.00**			
			Total Concentration:			**8,940.00**			
Client ID:	**SB-06-GW-13**								
C1610-21	SB-06-GW-13	WATER	n-propylbenzene	*	170.00	J	1.0	0.45	ug/L
C1610-21	SB-06-GW-13	WATER	tert-Butylbenzene	*	18.00	J	1.0	0.44	ug/L
C1610-21	SB-06-GW-13	WATER	sec-Butylbenzene	*	69.00	J	1.0	0.46	ug/L
C1610-21	SB-06-GW-13	WATER	p-Isopropyltoluene	*	3.20	J	1.0	0.43	ug/L
C1610-21	SB-06-GW-13	WATER	n-Butylbenzene	*	37.00	J	1.0	0.41	ug/L
C1610-21	SB-06-GW-13	WATER	Naphthalene	*	6.70	J	1.0	0.20	ug/L
C1610-21	SB-06-GW-13	WATER	unknown9.69	*	16.00	J	0	0	ug/L

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C1610

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter	Concentration		C	RDL	MDL	Units
C1610-21	SB-06-GW-13	WATER	Cyclohexene	*	24.00	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	Cyclohexane, propyl-	*	51.00	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	Decane, 4-methyl-	*	50.00	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	Cyclohexane, 1,1,3-trimethyl-	*	12.00	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	2-Octene, 2,6-dimethyl-	*	30.00	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	Cyclohexane, 1,2,4-trimethyl-, (1	*	11.00	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	Heptane, 3-ethyl-2-methyl-	*	17.00	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	Undecane, 5,6-dimethyl-	*	13.00	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	3,5-Dimethyl-3-heptene	*	23.00	J	0	0	ug/L
			Total Tics :			**550.90**			
			Total Concentration:			**550.90**			
Client ID:	**SB-06-GW-25**								
C1610-22	SB-06-GW-25	WATER	n-propylbenzene	*	0.97	J	1.0	0.45	ug/L
C1610-22	SB-06-GW-25	WATER	tert-Butylbenzene	*	2.30	J	1.0	0.44	ug/L
C1610-22	SB-06-GW-25	WATER	sec-Butylbenzene	*	1.30	J	1.0	0.46	ug/L
C1610-22	SB-06-GW-25	WATER	n-Butylbenzene	*	0.64	J	1.0	0.41	ug/L
C1610-22	SB-06-GW-25	WATER	Naphthalene, decahydro-, trans-	*	5.10	J	0	0	ug/L
C1610-22	SB-06-GW-25	WATER	Cyclohexane, 2-propenyl-	*	6.90	J	0	0	ug/L
C1610-22	SB-06-GW-25	WATER	1H-Indene, octahydro-, cis-	*	8.90	J	0	0	ug/L
C1610-22	SB-06-GW-25	WATER	3,5-Dimethyl-3-heptene	*	8.50	J	0	0	ug/L
			Total Tics :			**34.61**			
			Total Concentration:			**34.61**			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	DUP-1	SDG No.:	C1610
Lab Sample ID:	C1610-01	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	840 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BB055510.D	1	03/28/11	04/04/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	12	U	0.92	6	12	ug/L
108-95-2	Phenol	12	U	0.25	6	12	ug/L
111-44-4	bis(2-Chloroethyl)ether	12	U	0.65	6	12	ug/L
95-57-8	2-Chlorophenol	12	U	0.64	6	12	ug/L
95-48-7	2-Methylphenol	12	U	0.29	6	12	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	12	U	0.2	6	12	ug/L
98-86-2	Acetophenone	12	U	0.17	6	12	ug/L
65794-96-9	3+4-Methylphenols	12	U	0.45	6	12	ug/L
621-64-7	N-Nitroso-di-n-propylamine	12	U	0.24	6	12	ug/L
67-72-1	Hexachloroethane	12	U	0.3	6	12	ug/L
98-95-3	Nitrobenzene	12	U	0.81	6	12	ug/L
78-59-1	Isophorone	12	U	0.36	6	12	ug/L
88-75-5	2-Nitrophenol	12	U	0.62	6	12	ug/L
105-67-9	2,4-Dimethylphenol	12	U	0.85	6	12	ug/L
111-91-1	bis(2-Chloroethoxy)methane	12	U	0.65	6	12	ug/L
120-83-2	2,4-Dichlorophenol	12	U	0.79	6	12	ug/L
91-20-3	Naphthalene	2.5	J	0.14	6	12	ug/L
106-47-8	4-Chloroaniline	12	U	3.4	6	12	ug/L
87-68-3	Hexachlorobutadiene	12	U	0.3	6	12	ug/L
105-60-2	Caprolactam	12	U	2.4	6	12	ug/L
59-50-7	4-Chloro-3-methylphenol	12	U	0.48	6	12	ug/L
91-57-6	2-Methylnaphthalene	12	U	0.38	6	12	ug/L
77-47-4	Hexachlorocyclopentadiene	12	U	0.29	6	12	ug/L
88-06-2	2,4,6-Trichlorophenol	12	U	0.67	6	12	ug/L
95-95-4	2,4,5-Trichlorophenol	12	U	0.48	6	12	ug/L
92-52-4	1,1-Biphenyl	12	U	0.18	6	12	ug/L
91-58-7	2-Chloronaphthalene	12	U	0.19	6	12	ug/L
88-74-4	2-Nitroaniline	12	U	0.58	6	12	ug/L
131-11-3	Dimethylphthalate	12	U	0.26	6	12	ug/L
208-96-8	Acenaphthylene	12	U	0.83	6	12	ug/L
606-20-2	2,6-Dinitrotoluene	12	U	0.38	6	12	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	DUP-1	SDG No.:	C1610
Lab Sample ID:	C1610-01	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	840 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BB055510.D	1	03/28/11	04/04/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	12	U	1.3	6	12	ug/L
83-32-9	Acenaphthene	12	U	0.25	6	12	ug/L
51-28-5	2,4-Dinitrophenol	12	U	2.5	6	12	ug/L
100-02-7	4-Nitrophenol	12	U	2.4	6	12	ug/L
132-64-9	Dibenzofuran	12	U	0.29	6	12	ug/L
121-14-2	2,4-Dinitrotoluene	12	U	1.2	6	12	ug/L
84-66-2	Diethylphthalate	12	U	0.45	6	12	ug/L
7005-72-3	4-Chlorophenyl-phenylether	12	U	0.25	6	12	ug/L
86-73-7	Fluorene	12	U	0.37	6	12	ug/L
100-01-6	4-Nitroaniline	12	U	1.6	6	12	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	12	U	0.88	6	12	ug/L
86-30-6	N-Nitrosodiphenylamine	12	U	0.71	6	12	ug/L
101-55-3	4-Bromophenyl-phenylether	12	U	0.27	6	12	ug/L
118-74-1	Hexachlorobenzene	12	U	0.21	6	12	ug/L
1912-24-9	Atrazine	12	U	0.48	6	12	ug/L
87-86-5	Pentachlorophenol	12	U	2	6	12	ug/L
85-01-8	Phenanthrene	12	U	0.31	6	12	ug/L
120-12-7	Anthracene	12	U	0.19	6	12	ug/L
86-74-8	Carbazole	12	U	0.26	6	12	ug/L
84-74-2	Di-n-butylphthalate	12	U	2.4	6	12	ug/L
206-44-0	Fluoranthene	12	U	0.48	6	12	ug/L
129-00-0	Pyrene	12	U	0.24	6	12	ug/L
85-68-7	Butylbenzylphthalate	12	U	0.23	6	12	ug/L
91-94-1	3,3-Dichlorobenzidine	12	U	2.4	6	12	ug/L
56-55-3	Benzo(a)anthracene	12	U	0.19	6	12	ug/L
218-01-9	Chrysene	12	U	0.21	6	12	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	12	U	0.19	6	12	ug/L
117-84-0	Di-n-octyl phthalate	12	U	0.61	6	12	ug/L
205-99-2	Benzo(b)fluoranthene	12	U	0.35	6	12	ug/L
207-08-9	Benzo(k)fluoranthene	12	U	0.21	6	12	ug/L
50-32-8	Benzo(a)pyrene	12	U	0.17	6	12	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	12	U	0.18	6	12	ug/L
53-70-3	Dibenz(a,h)anthracene	12	U	0.5	6	12	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	DUP-1	SDG No.:	C1610
Lab Sample ID:	C1610-01	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	840 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BB055510.D	1	03/28/11	04/04/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	12	U	0.35	6	12	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	82.5		10 - 160		55%	SPK: 150
13127-88-3	Phenol-d5	53.4		10 - 160		36%	SPK: 150
4165-60-0	Nitrobenzene-d5	106		20 - 139		107%	SPK: 100
321-60-8	2-Fluorobiphenyl	104		10 - 173		104%	SPK: 100
118-79-6	2,4,6-Tribromophenol	169		10 - 169		113%	SPK: 150
1718-51-0	Terphenyl-d14	98.3		20 - 171		98%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	279055	6.04				
1146-65-2	Naphthalene-d8	1152970	8.11				
15067-26-2	Acenaphthene-d10	645862	10.99				
1517-22-2	Phenanthrene-d10	1250670	13.69				
1719-03-5	Chrysene-d12	1394800	18.87				
1520-96-3	Perylene-d12	1330400	21.76				
TENTITIVE IDENTIFIED COMPOUNDS							
693-89-0	Cyclopentene, 1-methyl-	17	J			4.78	ug/L
1678-92-8	Cyclohexane, propyl-	25	J			4.93	ug/L
14676-29-0	Heptane, 3-ethyl-2-methyl-	12	J			5.02	ug/L
103-65-1	Benzene, propyl-	15	J			5.22	ug/L
4316-65-8	1-Hexene, 3,5,5-trimethyl-	18	J			5.32	ug/L
526-73-8	Benzene, 1,2,3-trimethyl-	20	J			5.79	ug/L
538-93-2	Benzene, (2-methylpropyl)-	11	J			5.98	ug/L
2847-72-5	Decane, 4-methyl-	30	J			6.15	ug/L
6876-13-7	Bicyclo[3.1.1]heptane, 2,6,6-trime	17	J			6.23	ug/L
141-93-5	Benzene, 1,3-diethyl-	24	J			6.49	ug/L
1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	26	J			6.6	ug/L
91-17-8	Naphthalene, decahydro-	23	J			6.69	ug/L
535-77-3	Benzene, 1-methyl-3-(1-methylethyl	13	J			6.88	ug/L
874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	11	J			7.02	ug/L
2050-24-0	Benzene, 1,3-diethyl-5-methyl-	12	J			7.15	ug/L
	unknown7.30	13	J			7.3	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	DUP-1	SDG No.:	C1610
Lab Sample ID:	C1610-01	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	840 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup : N	PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BB055510.D	1	03/28/11	04/04/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
76089-59-3	1,3-Cyclopentadiene, 1,2,3,4-tetra	12	J			7.34	ug/L
488-23-3	Benzene, 1,2,3,4-tetramethyl-	14	J			7.37	ug/L
	unknown7.55	14	J			7.55	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-01-12-13	SDG No.:	C1610
Lab Sample ID:	C1610-02	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	15
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070089.D	1	03/24/11	04/05/11	PB54300

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	390	U	20	195	390	ug/Kg
108-95-2	Phenol	390	U	9.1	195	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	390	U	19	195	390	ug/Kg
95-57-8	2-Chlorophenol	390	U	21	195	390	ug/Kg
95-48-7	2-Methylphenol	390	U	21	195	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	390	U	16	195	390	ug/Kg
98-86-2	Acetophenone	390	U	12	195	390	ug/Kg
65794-96-9	3+4-Methylphenols	390	U	20	195	390	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	390	U	20	195	390	ug/Kg
67-72-1	Hexachloroethane	390	U	18	195	390	ug/Kg
98-95-3	Nitrobenzene	390	U	15	195	390	ug/Kg
78-59-1	Isophorone	390	U	13	195	390	ug/Kg
88-75-5	2-Nitrophenol	390	U	19	195	390	ug/Kg
105-67-9	2,4-Dimethylphenol	390	U	22	195	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	390	U	23	195	390	ug/Kg
120-83-2	2,4-Dichlorophenol	390	U	15	195	390	ug/Kg
91-20-3	Naphthalene	1500		14	195	390	ug/Kg
106-47-8	4-Chloroaniline	390	U	28	195	390	ug/Kg
87-68-3	Hexachlorobutadiene	390	U	14	195	390	ug/Kg
105-60-2	Caprolactam	390	U	18	195	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	390	U	17	195	390	ug/Kg
91-57-6	2-Methylnaphthalene	1000		9.9	195	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	390	U	9.5	195	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	390	U	12	195	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	390	U	28	195	390	ug/Kg
92-52-4	1,1-Biphenyl	390	U	15	195	390	ug/Kg
91-58-7	2-Chloronaphthalene	390	U	8.9	195	390	ug/Kg
88-74-4	2-Nitroaniline	390	U	17	195	390	ug/Kg
131-11-3	Dimethylphthalate	220	JB	11	195	390	ug/Kg
208-96-8	Acenaphthylene	390	U	9.9	195	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	390	U	16	195	390	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-01-12-13	SDG No.:	C1610
Lab Sample ID:	C1610-02	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	15
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070089.D	1	03/24/11	04/05/11	PB54300

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	390	U	25	195	390	ug/Kg
83-32-9	Acenaphthene	390	U	11	195	390	ug/Kg
51-28-5	2,4-Dinitrophenol	390	U	40	195	390	ug/Kg
100-02-7	4-Nitrophenol	390	U	73	195	390	ug/Kg
132-64-9	Dibenzofuran	390	U	15	195	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	390	U	12	195	390	ug/Kg
84-66-2	Diethylphthalate	390	U	6.1	195	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	390	U	21	195	390	ug/Kg
86-73-7	Fluorene	71	J	15	195	390	ug/Kg
100-01-6	4-Nitroaniline	390	U	51	195	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	390	U	22	195	390	ug/Kg
86-30-6	N-Nitrosodiphenylamine	390	U	9.4	195	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	390	U	7.6	195	390	ug/Kg
118-74-1	Hexachlorobenzene	390	U	16	195	390	ug/Kg
1912-24-9	Atrazine	390	U	21	195	390	ug/Kg
87-86-5	Pentachlorophenol	390	U	27	195	390	ug/Kg
85-01-8	Phenanthrene	140	J	11	195	390	ug/Kg
120-12-7	Anthracene	390	U	8	195	390	ug/Kg
86-74-8	Carbazole	390	U	8.6	195	390	ug/Kg
84-74-2	Di-n-butylphthalate	390	U	31	195	390	ug/Kg
206-44-0	Fluoranthene	42	J	7.9	195	390	ug/Kg
129-00-0	Pyrene	54	J	9.4	195	390	ug/Kg
85-68-7	Butylbenzylphthalate	390	U	19	195	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	390	U	25	195	390	ug/Kg
56-55-3	Benzo(a)anthracene	390	U	19	195	390	ug/Kg
218-01-9	Chrysene	390	U	18	195	390	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	1000		14	195	390	ug/Kg
117-84-0	Di-n-octyl phthalate	47	J	4.5	195	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	390	U	13	195	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	390	U	18	195	390	ug/Kg
50-32-8	Benzo(a)pyrene	390	U	8.5	195	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	390	U	13	195	390	ug/Kg
53-70-3	Dibenz(a,h)anthracene	390	U	11	195	390	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-01-12-13	SDG No.:	C1610
Lab Sample ID:	C1610-02	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	15
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070089.D	1	03/24/11	04/05/11	PB54300

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	390	U	16	195	390	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	75.2		26 - 141		50%	SPK: 150
13127-88-3	Phenol-d5	83.8		28 - 142		56%	SPK: 150
4165-60-0	Nitrobenzene-d5	141		30 - 150		141%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.1		19 - 182		61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.2		29 - 150		59%	SPK: 150
1718-51-0	Terphenyl-d14	62.4		24 - 191		62%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	314264	8.83				
1146-65-2	Naphthalene-d8	1142710	11.01				
15067-26-2	Acenaphthene-d10	582015	13.97				
1517-22-2	Phenanthrene-d10	1022700	16.44				
1719-03-5	Chrysene-d12	931048	20.93				
1520-96-3	Perylene-d12	787516	24.81				
TENTITIVE IDENTIFIED COMPOUNDS							
2051-30-1	Octane, 2,6-dimethyl-	600	J			7.61	ug/Kg
1632-70-8	Undecane, 5-methyl-	3800	J			10.02	ug/Kg
	unknown10.10	2300	J			10.1	ug/Kg
	unknown10.14	3800	J			10.14	ug/Kg
1000260-99-2	4-Amino-2,6-dimethyl-3-pyridyl 1-a	1400	J			10.19	ug/Kg
1000152-47-3	trans-Decalin, 2-methyl-	3200	J			10.23	ug/Kg
527-84-4	Benzene, 1-methyl-2-(1-methylethyl	2000	J			10.32	ug/Kg
4292-92-6	Cyclohexane, pentyl-	2100	J			10.37	ug/Kg
824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	1500	J			10.45	ug/Kg
874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	2300	J			10.57	ug/Kg
13632-94-5	Benzene, 1,4-diethyl-2-methyl-	870	J			10.69	ug/Kg
119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	830	J			10.74	ug/Kg
	unknown10.34	600	J			10.94	ug/Kg
17301-23-4	Undecane, 2,6-dimethyl-	1400	J			11.1	ug/Kg
700-12-9	Benzene, pentamethyl-	670	J			11.16	ug/Kg
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	900	J			12.71	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-01-12-13	SDG No.:	C1610
Lab Sample ID:	C1610-02	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	15
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070089.D	1	03/24/11	04/05/11	PB54300

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
582-16-1	Naphthalene, 2,7-dimethyl-	810	J			13.25	ug/Kg
3892-00-0	Pentadecane, 2,6,10-trimethyl-	990	J			15.02	ug/Kg
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl	1200	J			15.46	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-01-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-03	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	920 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BB055511.D	1	03/28/11	04/04/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	11	U	0.84	5.5	11	ug/L
108-95-2	Phenol	11	U	0.23	5.5	11	ug/L
111-44-4	bis(2-Chloroethyl)ether	11	U	0.6	5.5	11	ug/L
95-57-8	2-Chlorophenol	11	U	0.59	5.5	11	ug/L
95-48-7	2-Methylphenol	11	U	0.26	5.5	11	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	11	U	0.18	5.5	11	ug/L
98-86-2	Acetophenone	11	U	0.15	5.5	11	ug/L
65794-96-9	3+4-Methylphenols	11	U	0.41	5.5	11	ug/L
621-64-7	N-Nitroso-di-n-propylamine	11	U	0.22	5.5	11	ug/L
67-72-1	Hexachloroethane	11	U	0.27	5.5	11	ug/L
98-95-3	Nitrobenzene	11	U	0.74	5.5	11	ug/L
78-59-1	Isophorone	11	U	0.33	5.5	11	ug/L
88-75-5	2-Nitrophenol	11	U	0.57	5.5	11	ug/L
105-67-9	2,4-Dimethylphenol	11	U	0.77	5.5	11	ug/L
111-91-1	bis(2-Chloroethoxy)methane	11	U	0.6	5.5	11	ug/L
120-83-2	2,4-Dichlorophenol	11	U	0.72	5.5	11	ug/L
91-20-3	Naphthalene	11	U	0.13	5.5	11	ug/L
106-47-8	4-Chloroaniline	11	U	3.1	5.5	11	ug/L
87-68-3	Hexachlorobutadiene	11	U	0.27	5.5	11	ug/L
105-60-2	Caprolactam	11	U	2.2	5.5	11	ug/L
59-50-7	4-Chloro-3-methylphenol	11	U	0.43	5.5	11	ug/L
91-57-6	2-Methylnaphthalene	9.8	J	0.35	5.5	11	ug/L
77-47-4	Hexachlorocyclopentadiene	11	U	0.26	5.5	11	ug/L
88-06-2	2,4,6-Trichlorophenol	11	U	0.61	5.5	11	ug/L
95-95-4	2,4,5-Trichlorophenol	11	U	0.43	5.5	11	ug/L
92-52-4	1,1-Biphenyl	11	U	0.16	5.5	11	ug/L
91-58-7	2-Chloronaphthalene	11	U	0.17	5.5	11	ug/L
88-74-4	2-Nitroaniline	11	U	0.53	5.5	11	ug/L
131-11-3	Dimethylphthalate	2.9	J	0.24	5.5	11	ug/L
208-96-8	Acenaphthylene	11	U	0.76	5.5	11	ug/L
606-20-2	2,6-Dinitrotoluene	11	U	0.35	5.5	11	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-01-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-03	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	920 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BB055511.D	1	03/28/11	04/04/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	11	U	1.2	5.5	11	ug/L
83-32-9	Acenaphthene	11	U	0.23	5.5	11	ug/L
51-28-5	2,4-Dinitrophenol	11	U	2.3	5.5	11	ug/L
100-02-7	4-Nitrophenol	11	U	2.2	5.5	11	ug/L
132-64-9	Dibenzofuran	11	U	0.26	5.5	11	ug/L
121-14-2	2,4-Dinitrotoluene	11	U	1.1	5.5	11	ug/L
84-66-2	Diethylphthalate	11	U	0.41	5.5	11	ug/L
7005-72-3	4-Chlorophenyl-phenylether	11	U	0.23	5.5	11	ug/L
86-73-7	Fluorene	11	U	0.34	5.5	11	ug/L
100-01-6	4-Nitroaniline	11	U	1.5	5.5	11	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	11	U	0.8	5.5	11	ug/L
86-30-6	N-Nitrosodiphenylamine	11	U	0.65	5.5	11	ug/L
101-55-3	4-Bromophenyl-phenylether	11	U	0.25	5.5	11	ug/L
118-74-1	Hexachlorobenzene	11	U	0.2	5.5	11	ug/L
1912-24-9	Atrazine	11	U	0.43	5.5	11	ug/L
87-86-5	Pentachlorophenol	11	U	1.9	5.5	11	ug/L
85-01-8	Phenanthrene	11	U	0.28	5.5	11	ug/L
120-12-7	Anthracene	11	U	0.17	5.5	11	ug/L
86-74-8	Carbazole	11	U	0.24	5.5	11	ug/L
84-74-2	Di-n-butylphthalate	11	U	2.2	5.5	11	ug/L
206-44-0	Fluoranthene	11	U	0.43	5.5	11	ug/L
129-00-0	Pyrene	11	U	0.22	5.5	11	ug/L
85-68-7	Butylbenzylphthalate	11	U	0.21	5.5	11	ug/L
91-94-1	3,3-Dichlorobenzidine	11	U	2.2	5.5	11	ug/L
56-55-3	Benzo(a)anthracene	11	U	0.17	5.5	11	ug/L
218-01-9	Chrysene	11	U	0.2	5.5	11	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	11	U	0.17	5.5	11	ug/L
117-84-0	Di-n-octyl phthalate	11	U	0.55	5.5	11	ug/L
205-99-2	Benzo(b)fluoranthene	11	U	0.32	5.5	11	ug/L
207-08-9	Benzo(k)fluoranthene	11	U	0.2	5.5	11	ug/L
50-32-8	Benzo(a)pyrene	11	U	0.15	5.5	11	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	11	U	0.16	5.5	11	ug/L
53-70-3	Dibenz(a,h)anthracene	11	U	0.46	5.5	11	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-01-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-03	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	920 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BB055511.D	1	03/28/11	04/04/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	11	U	0.32	5.5	11	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	70.5		10 - 160		47%	SPK: 150
13127-88-3	Phenol-d5	49.2		10 - 160		33%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.7		20 - 139		69%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.5		10 - 173		82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		10 - 169		85%	SPK: 150
1718-51-0	Terphenyl-d14	81.5		20 - 171		81%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	285161	6.04				
1146-65-2	Naphthalene-d8	1223950	8.12				
15067-26-2	Acenaphthene-d10	707945	10.99				
1517-22-2	Phenanthrene-d10	1210990	13.7				
1719-03-5	Chrysene-d12	1395500	18.87				
1520-96-3	Perylene-d12	1355270	21.76				
TENTITIVE IDENTIFIED COMPOUNDS							
4923-78-8	Cyclohexane, 1-ethyl-2-methyl-, tr	14	J			4.61	ug/L
98-82-8	Benzene, (1-methylethyl)-	57	J			4.8	ug/L
696-29-7	Cyclohexane, (1-methylethyl)-	43	J			4.93	ug/L
52897-04-8	Hexane, 3-ethyl-2,5-dimethyl-	22	J			5.02	ug/L
103-65-1	Benzene, propyl-	82	J			5.22	ug/L
13427-43-5	1-Hexene, 3,3,5-trimethyl-	27	J			5.33	ug/L
	unknown6.23	16	J			6.23	ug/L
141-93-5	Benzene, 1,3-diethyl-	55	J			6.49	ug/L
1000185-58-7	Tetracyclo[3.3.1.1(1,8).0(2,4)]dec	38	J			6.6	ug/L
105-05-5	Benzene, 1,4-diethyl-	17	J			6.63	ug/L
493-02-7	Naphthalene, decahydro-, trans-	20	J			6.69	ug/L
21195-59-5	1,3,8-p-Menthatriene	17	J			7.34	ug/L
95-93-2	Benzene, 1,2,4,5-tetramethyl-	36	J			7.74	ug/L
35587-60-1	1-Methylindan-2-one	15	J			9.42	ug/L
32723-67-4	3-Methyl-p-anisaldehyde	29	J			11.73	ug/L
	unknown12.85	12	J			12.85	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-01-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-03	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	920 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup : N	PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BB055511.D	1	03/28/11	04/04/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
57-10-3	n-Hexadecanoic acid	26	J			14.91	ug/L
610-28-6	Benzoic acid, 2,5-dinitro-	18	J			16.08	ug/L
57-11-4	Octadecanoic acid	27	J			16.46	ug/L
13674-87-8	Tris(1,3-dichloroisopropyl)phospha	28	J			17.67	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-01-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-04	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	830 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BB055512.D	1	03/28/11	04/04/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	12	U	0.93	6	12	ug/L
108-95-2	Phenol	12	U	0.25	6	12	ug/L
111-44-4	bis(2-Chloroethyl)ether	12	U	0.66	6	12	ug/L
95-57-8	2-Chlorophenol	12	U	0.65	6	12	ug/L
95-48-7	2-Methylphenol	12	U	0.29	6	12	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	12	U	0.2	6	12	ug/L
98-86-2	Acetophenone	12	U	0.17	6	12	ug/L
65794-96-9	3+4-Methylphenols	12	U	0.46	6	12	ug/L
621-64-7	N-Nitroso-di-n-propylamine	12	U	0.24	6	12	ug/L
67-72-1	Hexachloroethane	12	U	0.3	6	12	ug/L
98-95-3	Nitrobenzene	12	U	0.82	6	12	ug/L
78-59-1	Isophorone	12	U	0.36	6	12	ug/L
88-75-5	2-Nitrophenol	12	U	0.63	6	12	ug/L
105-67-9	2,4-Dimethylphenol	12	U	0.86	6	12	ug/L
111-91-1	bis(2-Chloroethoxy)methane	12	U	0.66	6	12	ug/L
120-83-2	2,4-Dichlorophenol	12	U	0.8	6	12	ug/L
91-20-3	Naphthalene	12	U	0.14	6	12	ug/L
106-47-8	4-Chloroaniline	12	U	3.4	6	12	ug/L
87-68-3	Hexachlorobutadiene	12	U	0.3	6	12	ug/L
105-60-2	Caprolactam	12	U	2.4	6	12	ug/L
59-50-7	4-Chloro-3-methylphenol	12	U	0.48	6	12	ug/L
91-57-6	2-Methylnaphthalene	12	U	0.39	6	12	ug/L
77-47-4	Hexachlorocyclopentadiene	12	U	0.29	6	12	ug/L
88-06-2	2,4,6-Trichlorophenol	12	U	0.67	6	12	ug/L
95-95-4	2,4,5-Trichlorophenol	12	U	0.48	6	12	ug/L
92-52-4	1,1-Biphenyl	12	U	0.18	6	12	ug/L
91-58-7	2-Chloronaphthalene	12	U	0.19	6	12	ug/L
88-74-4	2-Nitroaniline	12	U	0.59	6	12	ug/L
131-11-3	Dimethylphthalate	12	U	0.27	6	12	ug/L
208-96-8	Acenaphthylene	12	U	0.84	6	12	ug/L
606-20-2	2,6-Dinitrotoluene	12	U	0.39	6	12	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-01-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-04	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	830 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BB055512.D	1	03/28/11	04/04/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	12	U	1.3	6	12	ug/L
83-32-9	Acenaphthene	12	U	0.25	6	12	ug/L
51-28-5	2,4-Dinitrophenol	12	U	2.5	6	12	ug/L
100-02-7	4-Nitrophenol	12	U	2.4	6	12	ug/L
132-64-9	Dibenzofuran	12	U	0.29	6	12	ug/L
121-14-2	2,4-Dinitrotoluene	12	U	1.2	6	12	ug/L
84-66-2	Diethylphthalate	12	U	0.46	6	12	ug/L
7005-72-3	4-Chlorophenyl-phenylether	12	U	0.25	6	12	ug/L
86-73-7	Fluorene	12	U	0.37	6	12	ug/L
100-01-6	4-Nitroaniline	12	U	1.6	6	12	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	12	U	0.89	6	12	ug/L
86-30-6	N-Nitrosodiphenylamine	12	U	0.72	6	12	ug/L
101-55-3	4-Bromophenyl-phenylether	12	U	0.28	6	12	ug/L
118-74-1	Hexachlorobenzene	12	U	0.22	6	12	ug/L
1912-24-9	Atrazine	12	U	0.48	6	12	ug/L
87-86-5	Pentachlorophenol	12	U	2.1	6	12	ug/L
85-01-8	Phenanthrene	12	U	0.31	6	12	ug/L
120-12-7	Anthracene	12	U	0.19	6	12	ug/L
86-74-8	Carbazole	12	U	0.27	6	12	ug/L
84-74-2	Di-n-butylphthalate	12	U	2.4	6	12	ug/L
206-44-0	Fluoranthene	12	U	0.48	6	12	ug/L
129-00-0	Pyrene	12	U	0.24	6	12	ug/L
85-68-7	Butylbenzylphthalate	12	U	0.23	6	12	ug/L
91-94-1	3,3-Dichlorobenzidine	12	U	2.4	6	12	ug/L
56-55-3	Benzo(a)anthracene	12	U	0.19	6	12	ug/L
218-01-9	Chrysene	12	U	0.22	6	12	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	12	U	0.19	6	12	ug/L
117-84-0	Di-n-octyl phthalate	12	U	0.61	6	12	ug/L
205-99-2	Benzo(b)fluoranthene	12	U	0.35	6	12	ug/L
207-08-9	Benzo(k)fluoranthene	12	U	0.22	6	12	ug/L
50-32-8	Benzo(a)pyrene	12	U	0.17	6	12	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	12	U	0.18	6	12	ug/L
53-70-3	Dibenz(a,h)anthracene	12	U	0.51	6	12	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-01-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-04	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	830 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BB055512.D	1	03/28/11	04/04/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	12	U	0.35	6	12	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	77.5		10 - 160		52%	SPK: 150
13127-88-3	Phenol-d5	56.3		10 - 160		38%	SPK: 150
4165-60-0	Nitrobenzene-d5	111		20 - 139		112%	SPK: 100
321-60-8	2-Fluorobiphenyl	107		10 - 173		107%	SPK: 100
118-79-6	2,4,6-Tribromophenol	166		10 - 169		111%	SPK: 150
1718-51-0	Terphenyl-d14	92.3		20 - 171		92%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	298328	6.05				
1146-65-2	Naphthalene-d8	1207520	8.11				
15067-26-2	Acenaphthene-d10	623985	10.99				
1517-22-2	Phenanthrene-d10	1211940	13.69				
1719-03-5	Chrysene-d12	1339580	18.87				
1520-96-3	Perylene-d12	1294240	21.77				
TENTITIVE IDENTIFIED COMPOUNDS							
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.6	JB			3.6	ug/L
	unknown7.44	4.6	J			7.44	ug/L
22433-39-2	Benzene,1-methyl-1,2-propadienyl-	4.7	J			7.72	ug/L
	unknown7.87	6.7	J			7.87	ug/L
1000275-28-2	o-Ethyl o-3-methylcyclohexyl methy	3.8	J			7.99	ug/L
16721-39-4	2-Cyclohexen-1-ol, 3-methyl-6-(1-m	4.4	J			8.02	ug/L
768-95-6	1-Adamantanol	4.8	J			8.95	ug/L
26465-81-6	1H-Inden-1-one, 2,3-dihydro-3,3-di	5.1	J			9.2	ug/L
	unknown9.33	4.2	J			9.33	ug/L
	unknown9.44	4.2	J			9.44	ug/L
455-38-9	Benzoic acid, 3-fluoro-	4.8	J			9.52	ug/L
	unknown9.67	3.6	J			9.67	ug/L
1009-61-6	Ethanone, 1,1-(1,4-phenylene)bis-	21	J			10.61	ug/L
55955-90-3	1-Butanone, 2-chloro-3-methyl-1-[4	6.0	J			11.53	ug/L
57-10-3	n-Hexadecanoic acid	6.2	J			14.9	ug/L
544-63-8	Tetradecanoic acid	7.3	J			16.45	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-01-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-04	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	830 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup : N	PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BB055512.D	1	03/28/11	04/04/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
31158-91-5	Hexadecanoic acid, 1,1-dimethyleth	3.5	J			16.63	ug/L
13674-87-8	Tris(1,3-dichloroisopropyl)phospha	14	J			17.67	ug/L
103-23-1	Hexanedioic acid, bis(2-ethylhexyl	4.9	J			18.05	ug/L
70153-14-9	3-Bromobenzoic acid, octadecyl est	3.9	J			18.78	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-11-12	SDG No.:	C1610
Lab Sample ID:	C1610-05	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	15
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070090.D	1	03/24/11	04/05/11	PB54300

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	390	U	20	195	390	ug/Kg
108-95-2	Phenol	390	U	9	195	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	390	U	19	195	390	ug/Kg
95-57-8	2-Chlorophenol	390	U	21	195	390	ug/Kg
95-48-7	2-Methylphenol	390	U	21	195	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	390	U	16	195	390	ug/Kg
98-86-2	Acetophenone	390	U	12	195	390	ug/Kg
65794-96-9	3+4-Methylphenols	390	U	20	195	390	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	390	U	20	195	390	ug/Kg
67-72-1	Hexachloroethane	390	U	18	195	390	ug/Kg
98-95-3	Nitrobenzene	390	U	15	195	390	ug/Kg
78-59-1	Isophorone	390	U	13	195	390	ug/Kg
88-75-5	2-Nitrophenol	390	U	19	195	390	ug/Kg
105-67-9	2,4-Dimethylphenol	500		22	195	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	390	U	23	195	390	ug/Kg
120-83-2	2,4-Dichlorophenol	390	U	15	195	390	ug/Kg
91-20-3	Naphthalene	990		14	195	390	ug/Kg
106-47-8	4-Chloroaniline	390	U	28	195	390	ug/Kg
87-68-3	Hexachlorobutadiene	390	U	14	195	390	ug/Kg
105-60-2	Caprolactam	390	U	18	195	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	390	U	17	195	390	ug/Kg
91-57-6	2-Methylnaphthalene	430		9.9	195	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	390	U	9.5	195	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	390	U	12	195	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	390	U	27	195	390	ug/Kg
92-52-4	1,1-Biphenyl	390	U	15	195	390	ug/Kg
91-58-7	2-Chloronaphthalene	390	U	8.9	195	390	ug/Kg
88-74-4	2-Nitroaniline	390	U	17	195	390	ug/Kg
131-11-3	Dimethylphthalate	370	JB	11	195	390	ug/Kg
208-96-8	Acenaphthylene	390	U	9.9	195	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	390	U	16	195	390	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-11-12	SDG No.:	C1610
Lab Sample ID:	C1610-05	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	15
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070090.D	1	03/24/11	04/05/11	PB54300

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	390	U	25	195	390	ug/Kg
83-32-9	Acenaphthene	390	U	11	195	390	ug/Kg
51-28-5	2,4-Dinitrophenol	390	U	40	195	390	ug/Kg
100-02-7	4-Nitrophenol	390	U	73	195	390	ug/Kg
132-64-9	Dibenzofuran	390	U	15	195	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	390	U	12	195	390	ug/Kg
84-66-2	Diethylphthalate	390	U	6.1	195	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	390	U	21	195	390	ug/Kg
86-73-7	Fluorene	390	U	15	195	390	ug/Kg
100-01-6	4-Nitroaniline	390	U	51	195	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	390	U	22	195	390	ug/Kg
86-30-6	N-Nitrosodiphenylamine	390	U	9.4	195	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	390	U	7.6	195	390	ug/Kg
118-74-1	Hexachlorobenzene	390	U	16	195	390	ug/Kg
1912-24-9	Atrazine	390	U	21	195	390	ug/Kg
87-86-5	Pentachlorophenol	390	U	27	195	390	ug/Kg
85-01-8	Phenanthrene	100	J	11	195	390	ug/Kg
120-12-7	Anthracene	390	U	8	195	390	ug/Kg
86-74-8	Carbazole	390	U	8.6	195	390	ug/Kg
84-74-2	Di-n-butylphthalate	390	U	31	195	390	ug/Kg
206-44-0	Fluoranthene	270	J	7.9	195	390	ug/Kg
129-00-0	Pyrene	250	J	9.4	195	390	ug/Kg
85-68-7	Butylbenzylphthalate	93	J	19	195	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	390	U	25	195	390	ug/Kg
56-55-3	Benzo(a)anthracene	140	J	19	195	390	ug/Kg
218-01-9	Chrysene	160	J	18	195	390	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	670		14	195	390	ug/Kg
117-84-0	Di-n-octyl phthalate	390	U	4.5	195	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	230	J	13	195	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	68	J	18	195	390	ug/Kg
50-32-8	Benzo(a)pyrene	170	J	8.5	195	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	J	13	195	390	ug/Kg
53-70-3	Dibenz(a,h)anthracene	390	U	11	195	390	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-11-12	SDG No.:	C1610
Lab Sample ID:	C1610-05	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	15
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070090.D	1	03/24/11	04/05/11	PB54300

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	130	J	16	195	390	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	114		26 - 141		76%	SPK: 150
13127-88-3	Phenol-d5	120		28 - 142		80%	SPK: 150
4165-60-0	Nitrobenzene-d5	163	*	30 - 150		164%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.8		19 - 182		74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		29 - 150		81%	SPK: 150
1718-51-0	Terphenyl-d14	73.5		24 - 191		74%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	282830	8.84				
1146-65-2	Naphthalene-d8	1085860	11.01				
15067-26-2	Acenaphthene-d10	574104	13.96				
1517-22-2	Phenanthrene-d10	1024790	16.44				
1719-03-5	Chrysene-d12	932656	20.93				
1520-96-3	Perylene-d12	796221	24.82				
TENTITIVE IDENTIFIED COMPOUNDS							
17312-53-7	Decane, 3,6-dimethyl-	14000	J			10.02	ug/Kg
89-74-7	Ethanone, 1-(2,4-dimethylphenyl)-	7500	J			10.09	ug/Kg
95-93-2	Benzene, 1,2,4,5-tetramethyl-	11000	J			10.14	ug/Kg
527-53-7	Benzene, 1,2,3,5-tetramethyl-	6100	J			10.18	ug/Kg
2958-76-1	Naphthalene, decahydro-2-methyl-	9600	J			10.22	ug/Kg
527-84-4	Benzene, 1-methyl-2-(1-methylethyl	6400	J			10.32	ug/Kg
4292-92-6	Cyclohexane, pentyl-	6400	J			10.36	ug/Kg
2980-69-0	Undecane, 4-methyl-	2600	J			10.51	ug/Kg
535-77-3	Benzene, 1-methyl-3-(1-methylethyl	8000	J			10.57	ug/Kg
2049-95-8	Benzene, (1,1-dimethylpropyl)-	1500	J			10.6	ug/Kg
1002-43-3	Undecane, 3-methyl-	1100	J			10.64	ug/Kg
1758-85-6	Benzene, 2,4-diethyl-1-methyl-	2300	J			10.69	ug/Kg
119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	1100	J			10.74	ug/Kg
1595-16-0	Benzene, 1-methyl-4-(1-methylpropy	940	J			10.77	ug/Kg
	unknown10.80	810	J			10.8	ug/Kg
	unknown10.84	780	J			10.84	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-11-12	SDG No.:	C1610
Lab Sample ID:	C1610-05	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	15
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070090.D	1	03/24/11	04/05/11	PB54300

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
930-89-2	Cyclopentane, 1-ethyl-2-methyl-, c	840	J			10.89	ug/Kg
17301-23-4	Undecane, 2,6-dimethyl-	4500	J			11.1	ug/Kg
134329-46-7	1,5,6,7-Tetramethylbicyclo[3.2.0]h	1900	J			11.15	ug/Kg
61142-20-9	Cyclohexane, (4-methylpentyl)-	1500	J			11.5	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-06	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	850 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BB055513.D	1	03/28/11	04/04/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	12	U	0.91	6	12	ug/L
108-95-2	Phenol	12	U	0.25	6	12	ug/L
111-44-4	bis(2-Chloroethyl)ether	12	U	0.65	6	12	ug/L
95-57-8	2-Chlorophenol	12	U	0.64	6	12	ug/L
95-48-7	2-Methylphenol	12	U	0.28	6	12	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	12	U	0.2	6	12	ug/L
98-86-2	Acetophenone	12	U	0.16	6	12	ug/L
65794-96-9	3+4-Methylphenols	12	U	0.45	6	12	ug/L
621-64-7	N-Nitroso-di-n-propylamine	12	U	0.24	6	12	ug/L
67-72-1	Hexachloroethane	12	U	0.29	6	12	ug/L
98-95-3	Nitrobenzene	12	U	0.8	6	12	ug/L
78-59-1	Isophorone	12	U	0.35	6	12	ug/L
88-75-5	2-Nitrophenol	12	U	0.61	6	12	ug/L
105-67-9	2,4-Dimethylphenol	12	U	0.84	6	12	ug/L
111-91-1	bis(2-Chloroethoxy)methane	12	U	0.65	6	12	ug/L
120-83-2	2,4-Dichlorophenol	12	U	0.78	6	12	ug/L
91-20-3	Naphthalene	18		0.14	6	12	ug/L
106-47-8	4-Chloroaniline	12	U	3.4	6	12	ug/L
87-68-3	Hexachlorobutadiene	12	U	0.29	6	12	ug/L
105-60-2	Caprolactam	12	U	2.4	6	12	ug/L
59-50-7	4-Chloro-3-methylphenol	12	U	0.47	6	12	ug/L
91-57-6	2-Methylnaphthalene	4	J	0.38	6	12	ug/L
77-47-4	Hexachlorocyclopentadiene	12	U	0.28	6	12	ug/L
88-06-2	2,4,6-Trichlorophenol	12	U	0.66	6	12	ug/L
95-95-4	2,4,5-Trichlorophenol	12	U	0.47	6	12	ug/L
92-52-4	1,1-Biphenyl	12	U	0.18	6	12	ug/L
91-58-7	2-Chloronaphthalene	12	U	0.19	6	12	ug/L
88-74-4	2-Nitroaniline	12	U	0.58	6	12	ug/L
131-11-3	Dimethylphthalate	6.6	J	0.26	6	12	ug/L
208-96-8	Acenaphthylene	12	U	0.82	6	12	ug/L
606-20-2	2,6-Dinitrotoluene	12	U	0.38	6	12	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-06	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	850 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BB055513.D	1	03/28/11	04/04/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	12	U	1.3	6	12	ug/L
83-32-9	Acenaphthene	12	U	0.25	6	12	ug/L
51-28-5	2,4-Dinitrophenol	12	U	2.5	6	12	ug/L
100-02-7	4-Nitrophenol	12	U	2.4	6	12	ug/L
132-64-9	Dibenzofuran	12	U	0.28	6	12	ug/L
121-14-2	2,4-Dinitrotoluene	12	U	1.2	6	12	ug/L
84-66-2	Diethylphthalate	12	U	0.45	6	12	ug/L
7005-72-3	4-Chlorophenyl-phenylether	12	U	0.25	6	12	ug/L
86-73-7	Fluorene	12	U	0.36	6	12	ug/L
100-01-6	4-Nitroaniline	12	U	1.6	6	12	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	12	U	0.87	6	12	ug/L
86-30-6	N-Nitrosodiphenylamine	12	U	0.71	6	12	ug/L
101-55-3	4-Bromophenyl-phenylether	12	U	0.27	6	12	ug/L
118-74-1	Hexachlorobenzene	12	U	0.21	6	12	ug/L
1912-24-9	Atrazine	12	U	0.47	6	12	ug/L
87-86-5	Pentachlorophenol	12	U	2	6	12	ug/L
85-01-8	Phenanthrene	12	U	0.31	6	12	ug/L
120-12-7	Anthracene	12	U	0.19	6	12	ug/L
86-74-8	Carbazole	12	U	0.26	6	12	ug/L
84-74-2	Di-n-butylphthalate	12	U	2.4	6	12	ug/L
206-44-0	Fluoranthene	12	U	0.47	6	12	ug/L
129-00-0	Pyrene	12	U	0.24	6	12	ug/L
85-68-7	Butylbenzylphthalate	2.8	J	0.22	6	12	ug/L
91-94-1	3,3-Dichlorobenzidine	12	U	2.4	6	12	ug/L
56-55-3	Benzo(a)anthracene	12	U	0.19	6	12	ug/L
218-01-9	Chrysene	12	U	0.21	6	12	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	6.1	J	0.19	6	12	ug/L
117-84-0	Di-n-octyl phthalate	12	U	0.6	6	12	ug/L
205-99-2	Benzo(b)fluoranthene	12	U	0.34	6	12	ug/L
207-08-9	Benzo(k)fluoranthene	12	U	0.21	6	12	ug/L
50-32-8	Benzo(a)pyrene	12	U	0.16	6	12	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	12	U	0.18	6	12	ug/L
53-70-3	Dibenz(a,h)anthracene	12	U	0.49	6	12	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-06	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	850 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BB055513.D	1	03/28/11	04/04/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	12	U	0.34	6	12	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	22.6		10 - 160		15%	SPK: 150
13127-88-3	Phenol-d5	14.8		10 - 160		10%	SPK: 150
4165-60-0	Nitrobenzene-d5	11.6	*	20 - 139		12%	SPK: 100
321-60-8	2-Fluorobiphenyl	16.5		10 - 173		17%	SPK: 100
118-79-6	2,4,6-Tribromophenol	17		10 - 169		11%	SPK: 150
1718-51-0	Terphenyl-d14	16.3	*	20 - 171		16%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	192256	6.05				
1146-65-2	Naphthalene-d8	1182910	8.11				
15067-26-2	Acenaphthene-d10	666622	10.99				
1517-22-2	Phenanthrene-d10	1271340	13.69				
1719-03-5	Chrysene-d12	1416480	18.87				
1520-96-3	Perylene-d12	1395040	21.77				
TENTITIVE IDENTIFIED COMPOUNDS							
3728-54-9	Cyclohexane, 1-ethyl-2-methyl-	83	J			4.61	ug/L
62108-23-0	Decane, 2,5,6-trimethyl-	62	J			4.69	ug/L
	unknown4.80	150	J			4.8	ug/L
	unknown4.88	66	J			4.88	ug/L
1678-92-8	Cyclohexane, propyl-	240	J			4.93	ug/L
14676-29-0	Heptane, 3-ethyl-2-methyl-	89	J			5.03	ug/L
103-65-1	Benzene, propyl-	180	J			5.22	ug/L
17301-94-9	Nonane, 4-methyl-	170	J			5.32	ug/L
620-14-4	Benzene, 1-ethyl-3-methyl-	51	J			5.36	ug/L
	unknown5.46	55	J			5.46	ug/L
108-67-8	Benzene, 1,3,5-trimethyl-	160	J			5.8	ug/L
	unknown6.11	64	J			6.11	ug/L
2847-72-5	Decane, 4-methyl-	140	J			6.15	ug/L
6975-98-0	Decane, 2-methyl-	70	J			6.23	ug/L
135-01-3	Benzene, 1,2-diethyl-	100	J			6.5	ug/L
	unknown6.60	85	J			6.6	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-06	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	850 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BB055513.D	1	03/28/11	04/04/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
493-02-7	Naphthalene, decahydro-, trans-	82	J			6.7	ug/L
933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	67	J			6.84	ug/L
934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	67	J			6.89	ug/L
	unknown7.04	56	J			7.04	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-GW-13RE	SDG No.:	C1610
Lab Sample ID:	C1610-06RE	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	850 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BB055542.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	12	U	0.91	6	12	ug/L
108-95-2	Phenol	12	U	0.25	6	12	ug/L
111-44-4	bis(2-Chloroethyl)ether	12	U	0.65	6	12	ug/L
95-57-8	2-Chlorophenol	12	U	0.64	6	12	ug/L
95-48-7	2-Methylphenol	12	U	0.28	6	12	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	12	U	0.2	6	12	ug/L
98-86-2	Acetophenone	12	U	0.16	6	12	ug/L
65794-96-9	3+4-Methylphenols	12	U	0.45	6	12	ug/L
621-64-7	N-Nitroso-di-n-propylamine	12	U	0.24	6	12	ug/L
67-72-1	Hexachloroethane	12	U	0.29	6	12	ug/L
98-95-3	Nitrobenzene	12	U	0.8	6	12	ug/L
78-59-1	Isophorone	12	U	0.35	6	12	ug/L
88-75-5	2-Nitrophenol	12	U	0.61	6	12	ug/L
105-67-9	2,4-Dimethylphenol	12	U	0.84	6	12	ug/L
111-91-1	bis(2-Chloroethoxy)methane	12	U	0.65	6	12	ug/L
120-83-2	2,4-Dichlorophenol	12	U	0.78	6	12	ug/L
91-20-3	Naphthalene	19		0.14	6	12	ug/L
106-47-8	4-Chloroaniline	12	U	3.4	6	12	ug/L
87-68-3	Hexachlorobutadiene	12	U	0.29	6	12	ug/L
105-60-2	Caprolactam	12	U	2.4	6	12	ug/L
59-50-7	4-Chloro-3-methylphenol	12	U	0.47	6	12	ug/L
91-57-6	2-Methylnaphthalene	4.1	J	0.38	6	12	ug/L
77-47-4	Hexachlorocyclopentadiene	12	U	0.28	6	12	ug/L
88-06-2	2,4,6-Trichlorophenol	12	U	0.66	6	12	ug/L
95-95-4	2,4,5-Trichlorophenol	12	U	0.47	6	12	ug/L
92-52-4	1,1-Biphenyl	12	U	0.18	6	12	ug/L
91-58-7	2-Chloronaphthalene	12	U	0.19	6	12	ug/L
88-74-4	2-Nitroaniline	12	U	0.58	6	12	ug/L
131-11-3	Dimethylphthalate	6.3	J	0.26	6	12	ug/L
208-96-8	Acenaphthylene	12	U	0.82	6	12	ug/L
606-20-2	2,6-Dinitrotoluene	12	U	0.38	6	12	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-GW-13RE	SDG No.:	C1610
Lab Sample ID:	C1610-06RE	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	850 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BB055542.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	12	U	1.3	6	12	ug/L
83-32-9	Acenaphthene	12	U	0.25	6	12	ug/L
51-28-5	2,4-Dinitrophenol	12	U	2.5	6	12	ug/L
100-02-7	4-Nitrophenol	12	U	2.4	6	12	ug/L
132-64-9	Dibenzofuran	12	U	0.28	6	12	ug/L
121-14-2	2,4-Dinitrotoluene	12	U	1.2	6	12	ug/L
84-66-2	Diethylphthalate	12	U	0.45	6	12	ug/L
7005-72-3	4-Chlorophenyl-phenylether	12	U	0.25	6	12	ug/L
86-73-7	Fluorene	12	U	0.36	6	12	ug/L
100-01-6	4-Nitroaniline	12	U	1.6	6	12	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	12	U	0.87	6	12	ug/L
86-30-6	N-Nitrosodiphenylamine	12	U	0.71	6	12	ug/L
101-55-3	4-Bromophenyl-phenylether	12	U	0.27	6	12	ug/L
118-74-1	Hexachlorobenzene	12	U	0.21	6	12	ug/L
1912-24-9	Atrazine	12	U	0.47	6	12	ug/L
87-86-5	Pentachlorophenol	12	U	2	6	12	ug/L
85-01-8	Phenanthrene	12	U	0.31	6	12	ug/L
120-12-7	Anthracene	12	U	0.19	6	12	ug/L
86-74-8	Carbazole	12	U	0.26	6	12	ug/L
84-74-2	Di-n-butylphthalate	12	U	2.4	6	12	ug/L
206-44-0	Fluoranthene	12	U	0.47	6	12	ug/L
129-00-0	Pyrene	12	U	0.24	6	12	ug/L
85-68-7	Butylbenzylphthalate	2.6	J	0.22	6	12	ug/L
91-94-1	3,3-Dichlorobenzidine	12	U	2.4	6	12	ug/L
56-55-3	Benzo(a)anthracene	12	U	0.19	6	12	ug/L
218-01-9	Chrysene	12	U	0.21	6	12	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	5.7	J	0.19	6	12	ug/L
117-84-0	Di-n-octyl phthalate	12	U	0.6	6	12	ug/L
205-99-2	Benzo(b)fluoranthene	12	U	0.34	6	12	ug/L
207-08-9	Benzo(k)fluoranthene	12	U	0.21	6	12	ug/L
50-32-8	Benzo(a)pyrene	12	U	0.16	6	12	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	12	U	0.18	6	12	ug/L
53-70-3	Dibenz(a,h)anthracene	12	U	0.49	6	12	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-GW-13RE	SDG No.:	C1610
Lab Sample ID:	C1610-06RE	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	850 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BB055542.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	12	U	0.34	6	12	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	29		10 - 160		19%	SPK: 150
13127-88-3	Phenol-d5	13.3	*	10 - 160		9%	SPK: 150
4165-60-0	Nitrobenzene-d5	8.97	*	20 - 139		9%	SPK: 100
321-60-8	2-Fluorobiphenyl	16.5		10 - 173		17%	SPK: 100
118-79-6	2,4,6-Tribromophenol	15.7		10 - 169		10%	SPK: 150
1718-51-0	Terphenyl-d14	15.6	*	20 - 171		16%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	190792	6.06				
1146-65-2	Naphthalene-d8	1294840	8.12				
15067-26-2	Acenaphthene-d10	719679	11.01				
1517-22-2	Phenanthrene-d10	1253660	13.7				
1719-03-5	Chrysene-d12	1497990	18.88				
1520-96-3	Perylene-d12	1409800	21.79				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-07	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	830 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044498.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	12	U	0.93	6	12	ug/L
108-95-2	Phenol	12	U	0.25	6	12	ug/L
111-44-4	bis(2-Chloroethyl)ether	12	U	0.66	6	12	ug/L
95-57-8	2-Chlorophenol	12	U	0.65	6	12	ug/L
95-48-7	2-Methylphenol	12	U	0.29	6	12	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	12	U	0.2	6	12	ug/L
98-86-2	Acetophenone	12	U	0.17	6	12	ug/L
65794-96-9	3+4-Methylphenols	12	U	0.46	6	12	ug/L
621-64-7	N-Nitroso-di-n-propylamine	12	U	0.24	6	12	ug/L
67-72-1	Hexachloroethane	12	U	0.3	6	12	ug/L
98-95-3	Nitrobenzene	12	U	0.82	6	12	ug/L
78-59-1	Isophorone	12	U	0.36	6	12	ug/L
88-75-5	2-Nitrophenol	12	U	0.63	6	12	ug/L
105-67-9	2,4-Dimethylphenol	12	U	0.86	6	12	ug/L
111-91-1	bis(2-Chloroethoxy)methane	12	U	0.66	6	12	ug/L
120-83-2	2,4-Dichlorophenol	12	U	0.8	6	12	ug/L
91-20-3	Naphthalene	3.2	J	0.14	6	12	ug/L
106-47-8	4-Chloroaniline	12	U	3.4	6	12	ug/L
87-68-3	Hexachlorobutadiene	12	U	0.3	6	12	ug/L
105-60-2	Caprolactam	12	U	2.4	6	12	ug/L
59-50-7	4-Chloro-3-methylphenol	12	U	0.48	6	12	ug/L
91-57-6	2-Methylnaphthalene	12	U	0.39	6	12	ug/L
77-47-4	Hexachlorocyclopentadiene	12	U	0.29	6	12	ug/L
88-06-2	2,4,6-Trichlorophenol	12	U	0.67	6	12	ug/L
95-95-4	2,4,5-Trichlorophenol	12	U	0.48	6	12	ug/L
92-52-4	1,1-Biphenyl	12	U	0.18	6	12	ug/L
91-58-7	2-Chloronaphthalene	12	U	0.19	6	12	ug/L
88-74-4	2-Nitroaniline	12	U	0.59	6	12	ug/L
131-11-3	Dimethylphthalate	2.2	J	0.27	6	12	ug/L
208-96-8	Acenaphthylene	12	U	0.84	6	12	ug/L
606-20-2	2,6-Dinitrotoluene	12	U	0.39	6	12	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-07	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	830 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044498.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	12	U	1.3	6	12	ug/L
83-32-9	Acenaphthene	12	U	0.25	6	12	ug/L
51-28-5	2,4-Dinitrophenol	12	U	2.5	6	12	ug/L
100-02-7	4-Nitrophenol	12	U	2.4	6	12	ug/L
132-64-9	Dibenzofuran	12	U	0.29	6	12	ug/L
121-14-2	2,4-Dinitrotoluene	12	U	1.2	6	12	ug/L
84-66-2	Diethylphthalate	12	U	0.46	6	12	ug/L
7005-72-3	4-Chlorophenyl-phenylether	12	U	0.25	6	12	ug/L
86-73-7	Fluorene	12	U	0.37	6	12	ug/L
100-01-6	4-Nitroaniline	12	U	1.6	6	12	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	12	U	0.89	6	12	ug/L
86-30-6	N-Nitrosodiphenylamine	12	U	0.72	6	12	ug/L
101-55-3	4-Bromophenyl-phenylether	12	U	0.28	6	12	ug/L
118-74-1	Hexachlorobenzene	12	U	0.22	6	12	ug/L
1912-24-9	Atrazine	12	U	0.48	6	12	ug/L
87-86-5	Pentachlorophenol	12	U	2.1	6	12	ug/L
85-01-8	Phenanthrene	12	U	0.31	6	12	ug/L
120-12-7	Anthracene	12	U	0.19	6	12	ug/L
86-74-8	Carbazole	12	U	0.27	6	12	ug/L
84-74-2	Di-n-butylphthalate	12	U	2.4	6	12	ug/L
206-44-0	Fluoranthene	12	U	0.48	6	12	ug/L
129-00-0	Pyrene	12	U	0.24	6	12	ug/L
85-68-7	Butylbenzylphthalate	12	U	0.23	6	12	ug/L
91-94-1	3,3-Dichlorobenzidine	12	U	2.4	6	12	ug/L
56-55-3	Benzo(a)anthracene	12	U	0.19	6	12	ug/L
218-01-9	Chrysene	12	U	0.22	6	12	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	12	U	0.19	6	12	ug/L
117-84-0	Di-n-octyl phthalate	12	U	0.61	6	12	ug/L
205-99-2	Benzo(b)fluoranthene	12	U	0.35	6	12	ug/L
207-08-9	Benzo(k)fluoranthene	12	U	0.22	6	12	ug/L
50-32-8	Benzo(a)pyrene	12	U	0.17	6	12	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	12	U	0.18	6	12	ug/L
53-70-3	Dibenz(a,h)anthracene	12	U	0.51	6	12	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-07	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	830 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044498.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	12	U	0.35	6	12	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	84.1		10 - 160		56%	SPK: 150
13127-88-3	Phenol-d5	52.4		10 - 160		35%	SPK: 150
4165-60-0	Nitrobenzene-d5	110		20 - 139		111%	SPK: 100
321-60-8	2-Fluorobiphenyl	98.6		10 - 173		99%	SPK: 100
118-79-6	2,4,6-Tribromophenol	180		10 - 169		120%	SPK: 150
1718-51-0	Terphenyl-d14	91.7		20 - 171		92%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	54555	4.56				
1146-65-2	Naphthalene-d8	190329	5.73				
15067-26-2	Acenaphthene-d10	113154	7.37				
1517-22-2	Phenanthrene-d10	184217	9				
1719-03-5	Chrysene-d12	146071	12.15				
1520-96-3	Perylene-d12	146288	13.87				
TENTITIVE IDENTIFIED COMPOUNDS							
3728-54-9	Cyclohexane, 1-ethyl-2-methyl-	13	J			3.65	ug/L
6221-55-2	Bicyclo[3.2.1]octane	21	J			3.78	ug/L
1678-92-8	Cyclohexane, propyl-	37	J			3.86	ug/L
696-71-9	Cyclooctyl alcohol	25	J			4.03	ug/L
6874-28-8	3-Octene, 2,6-dimethyl-	17	J			4.12	ug/L
108-67-8	Benzene, 1,3,5-trimethyl-	27	J			4.4	ug/L
538-93-2	Benzene, (2-methylpropyl)-	13	J			4.51	ug/L
	unknown4.63	22	J			4.63	ug/L
141-93-5	Benzene, 1,3-diethyl-	20	J			4.8	ug/L
	unknown4.83	17	J			4.83	ug/L
933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	24	J			4.87	ug/L
98640-10-9	3a,6-Methano-3aH-indene, 2,3,4,5,6	13	J			4.89	ug/L
91-17-8	Naphthalene, decahydro-	20	J			4.93	ug/L
1000163-57-6	Spiro[4.4]nona-1,3-diene, 1,2-dime	24	J			5.17	ug/L
4912-92-9	1H-Indene, 2,3-dihydro-1,1-dimethy	12	J			5.21	ug/L
	unknown5.24	14	J			5.24	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-02-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-07	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	830 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044498.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
527-53-7	Benzene, 1,2,3,5-tetramethyl-	26	J			5.29	ug/L
488-23-3	Benzene, 1,2,3,4-tetramethyl-	21	J			5.31	ug/L
	unknown5.45	15	J			5.45	ug/L
95-93-2	Benzene, 1,2,4,5-tetramethyl-	23	J			5.51	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	PZ-1	SDG No.:	C1610
Lab Sample ID:	C1610-08	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	840 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044499.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	12	U	0.92	6	12	ug/L
108-95-2	Phenol	12	U	0.25	6	12	ug/L
111-44-4	bis(2-Chloroethyl)ether	12	U	0.65	6	12	ug/L
95-57-8	2-Chlorophenol	12	U	0.64	6	12	ug/L
95-48-7	2-Methylphenol	12	U	0.29	6	12	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	12	U	0.2	6	12	ug/L
98-86-2	Acetophenone	12	U	0.17	6	12	ug/L
65794-96-9	3+4-Methylphenols	12	U	0.45	6	12	ug/L
621-64-7	N-Nitroso-di-n-propylamine	12	U	0.24	6	12	ug/L
67-72-1	Hexachloroethane	12	U	0.3	6	12	ug/L
98-95-3	Nitrobenzene	12	U	0.81	6	12	ug/L
78-59-1	Isophorone	12	U	0.36	6	12	ug/L
88-75-5	2-Nitrophenol	12	U	0.62	6	12	ug/L
105-67-9	2,4-Dimethylphenol	12	U	0.85	6	12	ug/L
111-91-1	bis(2-Chloroethoxy)methane	12	U	0.65	6	12	ug/L
120-83-2	2,4-Dichlorophenol	12	U	0.79	6	12	ug/L
91-20-3	Naphthalene	12	U	0.14	6	12	ug/L
106-47-8	4-Chloroaniline	12	U	3.4	6	12	ug/L
87-68-3	Hexachlorobutadiene	12	U	0.3	6	12	ug/L
105-60-2	Caprolactam	12	U	2.4	6	12	ug/L
59-50-7	4-Chloro-3-methylphenol	12	U	0.48	6	12	ug/L
91-57-6	2-Methylnaphthalene	12	U	0.38	6	12	ug/L
77-47-4	Hexachlorocyclopentadiene	12	U	0.29	6	12	ug/L
88-06-2	2,4,6-Trichlorophenol	12	U	0.67	6	12	ug/L
95-95-4	2,4,5-Trichlorophenol	12	U	0.48	6	12	ug/L
92-52-4	1,1-Biphenyl	12	U	0.18	6	12	ug/L
91-58-7	2-Chloronaphthalene	12	U	0.19	6	12	ug/L
88-74-4	2-Nitroaniline	12	U	0.58	6	12	ug/L
131-11-3	Dimethylphthalate	12	U	0.26	6	12	ug/L
208-96-8	Acenaphthylene	12	U	0.83	6	12	ug/L
606-20-2	2,6-Dinitrotoluene	12	U	0.38	6	12	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	PZ-1	SDG No.:	C1610
Lab Sample ID:	C1610-08	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	840 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044499.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	12	U	1.3	6	12	ug/L
83-32-9	Acenaphthene	12	U	0.25	6	12	ug/L
51-28-5	2,4-Dinitrophenol	12	U	2.5	6	12	ug/L
100-02-7	4-Nitrophenol	12	U	2.4	6	12	ug/L
132-64-9	Dibenzofuran	12	U	0.29	6	12	ug/L
121-14-2	2,4-Dinitrotoluene	12	U	1.2	6	12	ug/L
84-66-2	Diethylphthalate	12	U	0.45	6	12	ug/L
7005-72-3	4-Chlorophenyl-phenylether	12	U	0.25	6	12	ug/L
86-73-7	Fluorene	12	U	0.37	6	12	ug/L
100-01-6	4-Nitroaniline	12	U	1.6	6	12	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	12	U	0.88	6	12	ug/L
86-30-6	N-Nitrosodiphenylamine	12	U	0.71	6	12	ug/L
101-55-3	4-Bromophenyl-phenylether	12	U	0.27	6	12	ug/L
118-74-1	Hexachlorobenzene	12	U	0.21	6	12	ug/L
1912-24-9	Atrazine	12	U	0.48	6	12	ug/L
87-86-5	Pentachlorophenol	12	U	2	6	12	ug/L
85-01-8	Phenanthrene	12	U	0.31	6	12	ug/L
120-12-7	Anthracene	12	U	0.19	6	12	ug/L
86-74-8	Carbazole	12	U	0.26	6	12	ug/L
84-74-2	Di-n-butylphthalate	12	U	2.4	6	12	ug/L
206-44-0	Fluoranthene	12	U	0.48	6	12	ug/L
129-00-0	Pyrene	12	U	0.24	6	12	ug/L
85-68-7	Butylbenzylphthalate	12	U	0.23	6	12	ug/L
91-94-1	3,3-Dichlorobenzidine	12	U	2.4	6	12	ug/L
56-55-3	Benzo(a)anthracene	12	U	0.19	6	12	ug/L
218-01-9	Chrysene	12	U	0.21	6	12	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	12	U	0.19	6	12	ug/L
117-84-0	Di-n-octyl phthalate	12	U	0.61	6	12	ug/L
205-99-2	Benzo(b)fluoranthene	12	U	0.35	6	12	ug/L
207-08-9	Benzo(k)fluoranthene	12	U	0.21	6	12	ug/L
50-32-8	Benzo(a)pyrene	12	U	0.17	6	12	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	12	U	0.18	6	12	ug/L
53-70-3	Dibenz(a,h)anthracene	12	U	0.5	6	12	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	PZ-1	SDG No.:	C1610
Lab Sample ID:	C1610-08	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	840 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044499.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	12	U	0.35	6	12	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	66		10 - 160		44%	SPK: 150
13127-88-3	Phenol-d5	45.3		10 - 160		30%	SPK: 150
4165-60-0	Nitrobenzene-d5	106		20 - 139		107%	SPK: 100
321-60-8	2-Fluorobiphenyl	102		10 - 173		103%	SPK: 100
118-79-6	2,4,6-Tribromophenol	171		10 - 169		114%	SPK: 150
1718-51-0	Terphenyl-d14	80.2		20 - 171		80%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	65504	4.56				
1146-65-2	Naphthalene-d8	245311	5.73				
15067-26-2	Acenaphthene-d10	127168	7.37				
1517-22-2	Phenanthrene-d10	207255	9				
1719-03-5	Chrysene-d12	168848	12.15				
1520-96-3	Perylene-d12	170890	13.87				
TENTITIVE IDENTIFIED COMPOUNDS							
	unknown1.74	7.6	J			1.74	ug/L
	unknown2.68	17	J			2.68	ug/L
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.6	AB			2.98	ug/L
103-23-1	Hexanedioic acid, bis(2-ethylhexyl	4.1	J			11.64	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-03-11-12	SDG No.:	C1610
Lab Sample ID:	C1610-09	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	16
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070091.D	1	03/24/11	04/05/11	PB54300

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	390	U	21	195	390	ug/Kg
108-95-2	Phenol	390	U	9.1	195	390	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	390	U	19	195	390	ug/Kg
95-57-8	2-Chlorophenol	390	U	21	195	390	ug/Kg
95-48-7	2-Methylphenol	390	U	22	195	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	390	U	16	195	390	ug/Kg
98-86-2	Acetophenone	390	U	12	195	390	ug/Kg
65794-96-9	3+4-Methylphenols	390	U	21	195	390	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	390	U	20	195	390	ug/Kg
67-72-1	Hexachloroethane	390	U	18	195	390	ug/Kg
98-95-3	Nitrobenzene	390	U	15	195	390	ug/Kg
78-59-1	Isophorone	390	U	13	195	390	ug/Kg
88-75-5	2-Nitrophenol	390	U	19	195	390	ug/Kg
105-67-9	2,4-Dimethylphenol	550		22	195	390	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	390	U	23	195	390	ug/Kg
120-83-2	2,4-Dichlorophenol	390	U	15	195	390	ug/Kg
91-20-3	Naphthalene	95	J	14	195	390	ug/Kg
106-47-8	4-Chloroaniline	390	U	28	195	390	ug/Kg
87-68-3	Hexachlorobutadiene	390	U	14	195	390	ug/Kg
105-60-2	Caprolactam	390	U	18	195	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	390	U	18	195	390	ug/Kg
91-57-6	2-Methylnaphthalene	390	U	10	195	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	390	U	9.6	195	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	390	U	12	195	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	390	U	28	195	390	ug/Kg
92-52-4	1,1-Biphenyl	390	U	15	195	390	ug/Kg
91-58-7	2-Chloronaphthalene	390	U	9	195	390	ug/Kg
88-74-4	2-Nitroaniline	390	U	18	195	390	ug/Kg
131-11-3	Dimethylphthalate	300	JB	11	195	390	ug/Kg
208-96-8	Acenaphthylene	390	U	10	195	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	390	U	16	195	390	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-03-11-12	SDG No.:	C1610
Lab Sample ID:	C1610-09	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	16
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070091.D	1	03/24/11	04/05/11	PB54300

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	390	U	25	195	390	ug/Kg
83-32-9	Acenaphthene	390	U	11	195	390	ug/Kg
51-28-5	2,4-Dinitrophenol	390	U	40	195	390	ug/Kg
100-02-7	4-Nitrophenol	390	U	74	195	390	ug/Kg
132-64-9	Dibenzofuran	390	U	15	195	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	390	U	12	195	390	ug/Kg
84-66-2	Diethylphthalate	390	U	6.2	195	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	390	U	22	195	390	ug/Kg
86-73-7	Fluorene	390	U	15	195	390	ug/Kg
100-01-6	4-Nitroaniline	390	U	52	195	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	390	U	23	195	390	ug/Kg
86-30-6	N-Nitrosodiphenylamine	390	U	9.5	195	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	390	U	7.7	195	390	ug/Kg
118-74-1	Hexachlorobenzene	390	U	16	195	390	ug/Kg
1912-24-9	Atrazine	390	U	21	195	390	ug/Kg
87-86-5	Pentachlorophenol	390	U	27	195	390	ug/Kg
85-01-8	Phenanthrene	53	J	11	195	390	ug/Kg
120-12-7	Anthracene	390	U	8.1	195	390	ug/Kg
86-74-8	Carbazole	390	U	8.7	195	390	ug/Kg
84-74-2	Di-n-butylphthalate	390	U	31	195	390	ug/Kg
206-44-0	Fluoranthene	54	J	8	195	390	ug/Kg
129-00-0	Pyrene	49	J	9.5	195	390	ug/Kg
85-68-7	Butylbenzylphthalate	390	U	19	195	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	390	U	25	195	390	ug/Kg
56-55-3	Benzo(a)anthracene	390	U	19	195	390	ug/Kg
218-01-9	Chrysene	390	U	18	195	390	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	440		14	195	390	ug/Kg
117-84-0	Di-n-octyl phthalate	390	U	4.5	195	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	390	U	13	195	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	390	U	19	195	390	ug/Kg
50-32-8	Benzo(a)pyrene	390	U	8.6	195	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	390	U	13	195	390	ug/Kg
53-70-3	Dibenz(a,h)anthracene	390	U	11	195	390	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-03-11-12	SDG No.:	C1610
Lab Sample ID:	C1610-09	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	16
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070091.D	1	03/24/11	04/05/11	PB54300

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	390	U	16	195	390	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	126		26 - 141		84%	SPK: 150
13127-88-3	Phenol-d5	130		28 - 142		87%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.3		30 - 150		95%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.8		19 - 182		71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		29 - 150		82%	SPK: 150
1718-51-0	Terphenyl-d14	67.1		24 - 191		67%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	274978	8.83				
1146-65-2	Naphthalene-d8	1093820	11.01				
15067-26-2	Acenaphthene-d10	558546	13.97				
1517-22-2	Phenanthrene-d10	985238	16.44				
1719-03-5	Chrysene-d12	884772	20.93				
1520-96-3	Perylene-d12	762194	24.82				
TENTITIVE IDENTIFIED COMPOUNDS							
13150-81-7	2,6-Dimethyldecane	32000	J			10.02	ug/Kg
	unknown10.10	17000	J			10.1	ug/Kg
54833-48-6	Heptadecane, 2,6,10,15-tetramethyl	24000	J			10.14	ug/Kg
7314-85-4	Tricyclo[3.3.1.1(3,7)]decane, 2-br	2800	J			10.19	ug/Kg
2958-76-1	Naphthalene, decahydro-2-methyl-	27000	J			10.23	ug/Kg
527-84-4	Benzene, 1-methyl-2-(1-methylethyl	13000	J			10.32	ug/Kg
4292-92-6	Cyclohexane, pentyl-	11000	J			10.36	ug/Kg
	unknown10.50	3700	J			10.5	ug/Kg
	unknown10.59	2400	J			10.59	ug/Kg
1758-85-6	Benzene, 2,4-diethyl-1-methyl-	2000	J			10.61	ug/Kg
13632-94-5	Benzene, 1,4-diethyl-2-methyl-	7400	J			10.7	ug/Kg
1595-16-0	Benzene, 1-methyl-4-(1-methylpropy	3800	J			10.77	ug/Kg
62238-11-3	Decane, 2,3,5-trimethyl-	3100	J			10.8	ug/Kg
	unknown10.84	2300	J			10.84	ug/Kg
1000061-84-1	3-Undecene, 5-methyl-	2700	J			10.9	ug/Kg
700-12-9	Benzene, pentamethyl-	6300	J			11.16	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-03-11-12	SDG No.:	C1610
Lab Sample ID:	C1610-09	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	16
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070091.D	1	03/24/11	04/05/11	PB54300

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
66563-30-2	Bacchotricuneatin c	1200	J			11.26	ug/Kg
54676-39-0	Cyclohexane, 2-butyl-1,1,3-trimeth	1600	J			11.37	ug/Kg
61142-20-9	Cyclohexane, (4-methylpentyl)-	4600	J			11.5	ug/Kg
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl	2600	J			11.71	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-03-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-10	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044509.D	1	03/28/11	04/06/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	11	U	0.82	5.5	11	ug/L
108-95-2	Phenol	11	U	0.22	5.5	11	ug/L
111-44-4	bis(2-Chloroethyl)ether	11	U	0.59	5.5	11	ug/L
95-57-8	2-Chlorophenol	11	U	0.57	5.5	11	ug/L
95-48-7	2-Methylphenol	11	U	0.26	5.5	11	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	11	U	0.18	5.5	11	ug/L
98-86-2	Acetophenone	11	U	0.15	5.5	11	ug/L
65794-96-9	3+4-Methylphenols	11	U	0.4	5.5	11	ug/L
621-64-7	N-Nitroso-di-n-propylamine	11	U	0.21	5.5	11	ug/L
67-72-1	Hexachloroethane	11	U	0.27	5.5	11	ug/L
98-95-3	Nitrobenzene	11	U	0.72	5.5	11	ug/L
78-59-1	Isophorone	11	U	0.32	5.5	11	ug/L
88-75-5	2-Nitrophenol	11	U	0.55	5.5	11	ug/L
105-67-9	2,4-Dimethylphenol	11	U	0.76	5.5	11	ug/L
111-91-1	bis(2-Chloroethoxy)methane	11	U	0.59	5.5	11	ug/L
120-83-2	2,4-Dichlorophenol	11	U	0.7	5.5	11	ug/L
91-20-3	Naphthalene	11	U	0.13	5.5	11	ug/L
106-47-8	4-Chloroaniline	11	U	3	5.5	11	ug/L
87-68-3	Hexachlorobutadiene	11	U	0.27	5.5	11	ug/L
105-60-2	Caprolactam	11	U	2.1	5.5	11	ug/L
59-50-7	4-Chloro-3-methylphenol	11	U	0.43	5.5	11	ug/L
91-57-6	2-Methylnaphthalene	11	U	0.34	5.5	11	ug/L
77-47-4	Hexachlorocyclopentadiene	11	U	0.26	5.5	11	ug/L
88-06-2	2,4,6-Trichlorophenol	11	U	0.6	5.5	11	ug/L
95-95-4	2,4,5-Trichlorophenol	11	U	0.43	5.5	11	ug/L
92-52-4	1,1-Biphenyl	11	U	0.16	5.5	11	ug/L
91-58-7	2-Chloronaphthalene	11	U	0.17	5.5	11	ug/L
88-74-4	2-Nitroaniline	11	U	0.52	5.5	11	ug/L
131-11-3	Dimethylphthalate	2.3	J	0.23	5.5	11	ug/L
208-96-8	Acenaphthylene	11	U	0.74	5.5	11	ug/L
606-20-2	2,6-Dinitrotoluene	11	U	0.34	5.5	11	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-03-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-10	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044509.D	1	03/28/11	04/06/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	11	U	1.2	5.5	11	ug/L
83-32-9	Acenaphthene	11	U	0.22	5.5	11	ug/L
51-28-5	2,4-Dinitrophenol	11	U	2.2	5.5	11	ug/L
100-02-7	4-Nitrophenol	11	U	2.1	5.5	11	ug/L
132-64-9	Dibenzofuran	11	U	0.26	5.5	11	ug/L
121-14-2	2,4-Dinitrotoluene	11	U	1.1	5.5	11	ug/L
84-66-2	Diethylphthalate	11	U	0.4	5.5	11	ug/L
7005-72-3	4-Chlorophenyl-phenylether	11	U	0.22	5.5	11	ug/L
86-73-7	Fluorene	11	U	0.33	5.5	11	ug/L
100-01-6	4-Nitroaniline	11	U	1.4	5.5	11	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	11	U	0.79	5.5	11	ug/L
86-30-6	N-Nitrosodiphenylamine	11	U	0.64	5.5	11	ug/L
101-55-3	4-Bromophenyl-phenylether	11	U	0.24	5.5	11	ug/L
118-74-1	Hexachlorobenzene	11	U	0.19	5.5	11	ug/L
1912-24-9	Atrazine	11	U	0.43	5.5	11	ug/L
87-86-5	Pentachlorophenol	11	U	1.8	5.5	11	ug/L
85-01-8	Phenanthrene	11	U	0.28	5.5	11	ug/L
120-12-7	Anthracene	11	U	0.17	5.5	11	ug/L
86-74-8	Carbazole	11	U	0.23	5.5	11	ug/L
84-74-2	Di-n-butylphthalate	11	U	2.1	5.5	11	ug/L
206-44-0	Fluoranthene	11	U	0.43	5.5	11	ug/L
129-00-0	Pyrene	11	U	0.21	5.5	11	ug/L
85-68-7	Butylbenzylphthalate	11	U	0.2	5.5	11	ug/L
91-94-1	3,3-Dichlorobenzidine	11	U	2.1	5.5	11	ug/L
56-55-3	Benzo(a)anthracene	11	U	0.17	5.5	11	ug/L
218-01-9	Chrysene	11	U	0.19	5.5	11	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	2.1	J	0.17	5.5	11	ug/L
117-84-0	Di-n-octyl phthalate	11	U	0.54	5.5	11	ug/L
205-99-2	Benzo(b)fluoranthene	11	U	0.31	5.5	11	ug/L
207-08-9	Benzo(k)fluoranthene	11	U	0.19	5.5	11	ug/L
50-32-8	Benzo(a)pyrene	11	U	0.15	5.5	11	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	11	U	0.16	5.5	11	ug/L
53-70-3	Dibenz(a,h)anthracene	11	U	0.45	5.5	11	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-03-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-10	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044509.D	1	03/28/11	04/06/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	11	U	0.31	5.5	11	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	71.9		10 - 160		48%	SPK: 150
13127-88-3	Phenol-d5	40.3		10 - 160		27%	SPK: 150
4165-60-0	Nitrobenzene-d5	103		20 - 139		104%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.3		10 - 173		80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	157		10 - 169		105%	SPK: 150
1718-51-0	Terphenyl-d14	80.5		20 - 171		81%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	46971	4.56				
1146-65-2	Naphthalene-d8	160799	5.73				
15067-26-2	Acenaphthene-d10	92881	7.37				
1517-22-2	Phenanthrene-d10	177768	9				
1719-03-5	Chrysene-d12	140335	12.15				
1520-96-3	Perylene-d12	148520	13.87				
TENTITIVE IDENTIFIED COMPOUNDS							
19489-10-2	cis-1-Ethyl-3-methyl-cyclohexane	20	J			3.65	ug/L
98-82-8	Benzene, (1-methylethyl)-	47	J			3.77	ug/L
1678-92-8	Cyclohexane, propyl-	67	J			3.86	ug/L
14676-29-0	Heptane, 3-ethyl-2-methyl-	21	J			3.91	ug/L
17615-91-7	Undecane, 5,6-dimethyl-	33	J			4.04	ug/L
103-65-1	Benzene, propyl-	29	J			4.05	ug/L
4057-42-5	2-Octene, 2,6-dimethyl-	26	J			4.13	ug/L
4291-79-6	Cyclohexane, 1-methyl-2-propyl-	20	J			4.44	ug/L
538-93-2	Benzene, (2-methylpropyl)-	16	J			4.51	ug/L
2051-33-4	1-Hexanol, 5-methyl-2-(1-methyleth	17	J			4.63	ug/L
141-93-5	Benzene, 1,3-diethyl-	25	J			4.8	ug/L
104-51-8	Benzene, butyl-	16	J			4.87	ug/L
493-02-7	Naphthalene, decahydro-, trans-	17	J			4.93	ug/L
4920-99-4	Benzene, 1-ethyl-3-(1-methylethyl)	32	J			5.17	ug/L
4912-92-9	1H-Indene, 2,3-dihydro-1,1-dimethy	14	J			5.21	ug/L
1595-16-0	Benzene, 1-methyl-4-(1-methylpropy	17	J			5.24	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-03-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-10	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044509.D	1	03/28/11	04/06/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	39	J			5.29	ug/L
	unknown5.31	22	J			5.31	ug/L
6165-44-2	Cyclohexane, 1,1-(1,4-butanediyl)	28	J			5.41	ug/L
10544-50-0	Cyclic octaatomic sulfur	76	J			10.5	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-03-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-11	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	860 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044505.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	12	U	0.9	6	12	ug/L
108-95-2	Phenol	12	U	0.24	6	12	ug/L
111-44-4	bis(2-Chloroethyl)ether	12	U	0.64	6	12	ug/L
95-57-8	2-Chlorophenol	12	U	0.63	6	12	ug/L
95-48-7	2-Methylphenol	12	U	0.28	6	12	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	12	U	0.2	6	12	ug/L
98-86-2	Acetophenone	12	U	0.16	6	12	ug/L
65794-96-9	3+4-Methylphenols	12	U	0.44	6	12	ug/L
621-64-7	N-Nitroso-di-n-propylamine	12	U	0.23	6	12	ug/L
67-72-1	Hexachloroethane	12	U	0.29	6	12	ug/L
98-95-3	Nitrobenzene	12	U	0.79	6	12	ug/L
78-59-1	Isophorone	12	U	0.35	6	12	ug/L
88-75-5	2-Nitrophenol	12	U	0.6	6	12	ug/L
105-67-9	2,4-Dimethylphenol	12	U	0.83	6	12	ug/L
111-91-1	bis(2-Chloroethoxy)methane	12	U	0.64	6	12	ug/L
120-83-2	2,4-Dichlorophenol	12	U	0.77	6	12	ug/L
91-20-3	Naphthalene	12	U	0.14	6	12	ug/L
106-47-8	4-Chloroaniline	12	U	3.3	6	12	ug/L
87-68-3	Hexachlorobutadiene	12	U	0.29	6	12	ug/L
105-60-2	Caprolactam	12	U	2.3	6	12	ug/L
59-50-7	4-Chloro-3-methylphenol	12	U	0.47	6	12	ug/L
91-57-6	2-Methylnaphthalene	12	U	0.37	6	12	ug/L
77-47-4	Hexachlorocyclopentadiene	12	U	0.28	6	12	ug/L
88-06-2	2,4,6-Trichlorophenol	12	U	0.65	6	12	ug/L
95-95-4	2,4,5-Trichlorophenol	12	U	0.47	6	12	ug/L
92-52-4	1,1-Biphenyl	12	U	0.17	6	12	ug/L
91-58-7	2-Chloronaphthalene	12	U	0.19	6	12	ug/L
88-74-4	2-Nitroaniline	12	U	0.57	6	12	ug/L
131-11-3	Dimethylphthalate	12	U	0.26	6	12	ug/L
208-96-8	Acenaphthylene	12	U	0.81	6	12	ug/L
606-20-2	2,6-Dinitrotoluene	12	U	0.37	6	12	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-03-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-11	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	860 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044505.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	12	U	1.3	6	12	ug/L
83-32-9	Acenaphthene	12	U	0.24	6	12	ug/L
51-28-5	2,4-Dinitrophenol	12	U	2.4	6	12	ug/L
100-02-7	4-Nitrophenol	12	U	2.3	6	12	ug/L
132-64-9	Dibenzofuran	12	U	0.28	6	12	ug/L
121-14-2	2,4-Dinitrotoluene	12	U	1.2	6	12	ug/L
84-66-2	Diethylphthalate	12	U	0.44	6	12	ug/L
7005-72-3	4-Chlorophenyl-phenylether	12	U	0.24	6	12	ug/L
86-73-7	Fluorene	12	U	0.36	6	12	ug/L
100-01-6	4-Nitroaniline	12	U	1.6	6	12	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	12	U	0.86	6	12	ug/L
86-30-6	N-Nitrosodiphenylamine	12	U	0.7	6	12	ug/L
101-55-3	4-Bromophenyl-phenylether	12	U	0.27	6	12	ug/L
118-74-1	Hexachlorobenzene	12	U	0.21	6	12	ug/L
1912-24-9	Atrazine	12	U	0.47	6	12	ug/L
87-86-5	Pentachlorophenol	12	U	2	6	12	ug/L
85-01-8	Phenanthrene	12	U	0.3	6	12	ug/L
120-12-7	Anthracene	12	U	0.19	6	12	ug/L
86-74-8	Carbazole	12	U	0.26	6	12	ug/L
84-74-2	Di-n-butylphthalate	12	U	2.3	6	12	ug/L
206-44-0	Fluoranthene	12	U	0.47	6	12	ug/L
129-00-0	Pyrene	12	U	0.23	6	12	ug/L
85-68-7	Butylbenzylphthalate	12	U	0.22	6	12	ug/L
91-94-1	3,3-Dichlorobenzidine	12	U	2.3	6	12	ug/L
56-55-3	Benzo(a)anthracene	12	U	0.19	6	12	ug/L
218-01-9	Chrysene	12	U	0.21	6	12	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	12	U	0.19	6	12	ug/L
117-84-0	Di-n-octyl phthalate	12	U	0.59	6	12	ug/L
205-99-2	Benzo(b)fluoranthene	12	U	0.34	6	12	ug/L
207-08-9	Benzo(k)fluoranthene	12	U	0.21	6	12	ug/L
50-32-8	Benzo(a)pyrene	12	U	0.16	6	12	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	12	U	0.17	6	12	ug/L
53-70-3	Dibenz(a,h)anthracene	12	U	0.49	6	12	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-03-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-11	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	860 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044505.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	12	U	0.34	6	12	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	70.1		10 - 160		47%	SPK: 150
13127-88-3	Phenol-d5	43.9		10 - 160		29%	SPK: 150
4165-60-0	Nitrobenzene-d5	109		20 - 139		109%	SPK: 100
321-60-8	2-Fluorobiphenyl	98		10 - 173		98%	SPK: 100
118-79-6	2,4,6-Tribromophenol	171		10 - 169		115%	SPK: 150
1718-51-0	Terphenyl-d14	83.2		20 - 171		83%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	59290	4.56				
1146-65-2	Naphthalene-d8	212313	5.73				
15067-26-2	Acenaphthene-d10	110554	7.37				
1517-22-2	Phenanthrene-d10	180777	9				
1719-03-5	Chrysene-d12	149839	12.15				
1520-96-3	Perylene-d12	148011	13.87				
TENTITIVE IDENTIFIED COMPOUNDS							
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.9	AB			2.97	ug/L
4926-78-7	Cyclohexane, 1-ethyl-4-methyl-, ci	6.0	J			3.65	ug/L
	unknown3.77	9.1	J			3.77	ug/L
1678-92-8	Cyclohexane, propyl-	7.9	J			3.86	ug/L
61886-66-6	3-Eicosyne	6.7	J			4.03	ug/L
	unknown4.12	4.7	J			4.12	ug/L
	unknown4.40	3.3	J			4.4	ug/L
	unknown4.63	3.3	J			4.63	ug/L
141-93-5	Benzene, 1,3-diethyl-	2.7	J			4.8	ug/L
933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	3.6	J			4.87	ug/L
91-17-8	Naphthalene, decahydro-	6.2	J			4.93	ug/L
4489-84-3	Benzene, (3-methyl-2-butenyl)-	4.5	J			5.16	ug/L
934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	2.9	J			5.31	ug/L
1559-81-5	Naphthalene, 1,2,3,4-tetrahydro-1-	2.8	J			5.35	ug/L
934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	3.8	J			5.51	ug/L
	unknown5.59	3.9	J			5.59	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-03-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-11	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	860 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup : N	PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044505.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
31158-91-5	Hexadecanoic acid, 1,1-dimethyleth	2.9	J			10.76	ug/L
13674-87-8	Tris(1,3-dichloroisopropyl)phospha	3.4	J			11.4	ug/L
	unknown11.56	3.4	J			11.56	ug/L
	unknown11.63	5.7	J			11.63	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-04-11-12	SDG No.:	C1610
Lab Sample ID:	C1610-14	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	18
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070092.D	1	03/24/11	04/05/11	PB54300

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	400	U	21	200	400	ug/Kg
108-95-2	Phenol	400	U	9.4	200	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	400	U	19	200	400	ug/Kg
95-57-8	2-Chlorophenol	400	U	21	200	400	ug/Kg
95-48-7	2-Methylphenol	400	U	22	200	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	400	U	17	200	400	ug/Kg
98-86-2	Acetophenone	400	U	12	200	400	ug/Kg
65794-96-9	3+4-Methylphenols	400	U	21	200	400	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	400	U	20	200	400	ug/Kg
67-72-1	Hexachloroethane	400	U	18	200	400	ug/Kg
98-95-3	Nitrobenzene	400	U	15	200	400	ug/Kg
78-59-1	Isophorone	400	U	13	200	400	ug/Kg
88-75-5	2-Nitrophenol	400	U	20	200	400	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		23	200	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	400	U	23	200	400	ug/Kg
120-83-2	2,4-Dichlorophenol	400	U	15	200	400	ug/Kg
91-20-3	Naphthalene	1200		14	200	400	ug/Kg
106-47-8	4-Chloroaniline	400	U	29	200	400	ug/Kg
87-68-3	Hexachlorobutadiene	400	U	15	200	400	ug/Kg
105-60-2	Caprolactam	400	U	19	200	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	400	U	18	200	400	ug/Kg
91-57-6	2-Methylnaphthalene	540		10	200	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	400	U	9.9	200	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	400	U	12	200	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	400	U	28	200	400	ug/Kg
92-52-4	1,1-Biphenyl	400	U	15	200	400	ug/Kg
91-58-7	2-Chloronaphthalene	400	U	9.2	200	400	ug/Kg
88-74-4	2-Nitroaniline	400	U	18	200	400	ug/Kg
131-11-3	Dimethylphthalate	400	JB	11	200	400	ug/Kg
208-96-8	Acenaphthylene	100	J	10	200	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	400	U	17	200	400	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-04-11-12	SDG No.:	C1610
Lab Sample ID:	C1610-14	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	18
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070092.D	1	03/24/11	04/05/11	PB54300

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	400	U	26	200	400	ug/Kg
83-32-9	Acenaphthene	310	J	11	200	400	ug/Kg
51-28-5	2,4-Dinitrophenol	400	U	41	200	400	ug/Kg
100-02-7	4-Nitrophenol	400	U	75	200	400	ug/Kg
132-64-9	Dibenzofuran	140	J	16	200	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	400	U	12	200	400	ug/Kg
84-66-2	Diethylphthalate	400	U	6.3	200	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	400	U	22	200	400	ug/Kg
86-73-7	Fluorene	370	J	15	200	400	ug/Kg
100-01-6	4-Nitroaniline	400	U	53	200	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	400	U	23	200	400	ug/Kg
86-30-6	N-Nitrosodiphenylamine	400	U	9.7	200	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	400	U	7.9	200	400	ug/Kg
118-74-1	Hexachlorobenzene	400	U	17	200	400	ug/Kg
1912-24-9	Atrazine	400	U	21	200	400	ug/Kg
87-86-5	Pentachlorophenol	400	U	28	200	400	ug/Kg
85-01-8	Phenanthrene	1600		11	200	400	ug/Kg
120-12-7	Anthracene	350	J	8.3	200	400	ug/Kg
86-74-8	Carbazole	400	U	8.9	200	400	ug/Kg
84-74-2	Di-n-butylphthalate	160	J	32	200	400	ug/Kg
206-44-0	Fluoranthene	1300		8.1	200	400	ug/Kg
129-00-0	Pyrene	1400		9.7	200	400	ug/Kg
85-68-7	Butylbenzylphthalate	140	J	19	200	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	400	U	26	200	400	ug/Kg
56-55-3	Benzo(a)anthracene	480		19	200	400	ug/Kg
218-01-9	Chrysene	530		18	200	400	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	8100	E	14	200	400	ug/Kg
117-84-0	Di-n-octyl phthalate	350	J	4.6	200	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	520		13	200	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	140	J	19	200	400	ug/Kg
50-32-8	Benzo(a)pyrene	420		8.8	200	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	240	J	14	200	400	ug/Kg
53-70-3	Dibenz(a,h)anthracene	69	J	12	200	400	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-04-11-12	SDG No.:	C1610
Lab Sample ID:	C1610-14	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	18
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070092.D	1	03/24/11	04/05/11	PB54300

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	270	J	16	200	400	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	105		26 - 141		71%	SPK: 150
13127-88-3	Phenol-d5	82.4		28 - 142		55%	SPK: 150
4165-60-0	Nitrobenzene-d5	151	*	30 - 150		152%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.5		19 - 182		76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	115		29 - 150		77%	SPK: 150
1718-51-0	Terphenyl-d14	75.6		24 - 191		76%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	332320	8.84				
1146-65-2	Naphthalene-d8	1229960	11.01				
15067-26-2	Acenaphthene-d10	611679	13.97				
1517-22-2	Phenanthrene-d10	1056270	16.45				
1719-03-5	Chrysene-d12	975488	20.93				
1520-96-3	Perylene-d12	826011	24.82				
TENTITIVE IDENTIFIED COMPOUNDS							
3728-54-9	Cyclohexane, 1-ethyl-2-methyl-	2400	J			7.32	ug/Kg
1124-63-6	Cyclohexanepropanol-	2100	J			7.54	ug/Kg
2051-30-1	Octane, 2,6-dimethyl-	2500	J			7.63	ug/Kg
1678-92-8	Cyclohexane, propyl-	1600	J			7.67	ug/Kg
56728-11-1	1-Octene, 3,4-dimethyl-	1900	J			7.93	ug/Kg
	unknown8.74	1600	J			8.74	ug/Kg
	unknown9.83	1700	J			9.83	ug/Kg
	unknown9.93	13000	J			9.93	ug/Kg
13150-81-7	2,6-Dimethyldecane	12000	J			10.04	ug/Kg
	unknown10.11	6800	J			10.11	ug/Kg
95-93-2	Benzene, 1,2,4,5-tetramethyl-	6600	J			10.15	ug/Kg
934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	2100	J			10.19	ug/Kg
1000152-47-3	trans-Decalin, 2-methyl-	9500	J			10.24	ug/Kg
1595-16-0	Benzene, 1-methyl-4-(1-methylpropy	5500	J			10.33	ug/Kg
4292-92-6	Cyclohexane, pentyl-	3600	J			10.38	ug/Kg
	unknown10.52	2400	J			10.52	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-04-11-12	SDG No.:	C1610
Lab Sample ID:	C1610-14	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	18
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070092.D	1	03/24/11	04/05/11	PB54300

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
488-23-3	Benzene, 1,2,3,4-tetramethyl-	7300	J			10.58	ug/Kg
1758-85-6	Benzene, 2,4-diethyl-1-methyl-	2700	J			10.7	ug/Kg
4218-48-8	Benzene, 1-ethyl-4-(1-methylethyl)	2400	J			11.16	ug/Kg
4292-75-5	Cyclohexane, hexyl-	1600	J			11.5	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-04-11-12DL	SDG No.:	C1610
Lab Sample ID:	C1610-14DL	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	18
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044552.D	5	03/24/11	04/06/11	PB54300

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	2000	UD	110	1000	2000	ug/Kg
108-95-2	Phenol	2000	UD	47	1000	2000	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2000	UD	97	1000	2000	ug/Kg
95-57-8	2-Chlorophenol	2000	UD	110	1000	2000	ug/Kg
95-48-7	2-Methylphenol	2000	UD	110	1000	2000	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2000	UD	84	1000	2000	ug/Kg
98-86-2	Acetophenone	2000	UD	62	1000	2000	ug/Kg
65794-96-9	3+4-Methylphenols	2000	UD	110	1000	2000	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	2000	UD	100	1000	2000	ug/Kg
67-72-1	Hexachloroethane	2000	UD	91	1000	2000	ug/Kg
98-95-3	Nitrobenzene	2000	UD	77	1000	2000	ug/Kg
78-59-1	Isophorone	2000	UD	67	1000	2000	ug/Kg
88-75-5	2-Nitrophenol	2000	UD	98	1000	2000	ug/Kg
105-67-9	2,4-Dimethylphenol	900	JD	110	1000	2000	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2000	UD	120	1000	2000	ug/Kg
120-83-2	2,4-Dichlorophenol	2000	UD	77	1000	2000	ug/Kg
91-20-3	Naphthalene	1500	JD	70	1000	2000	ug/Kg
106-47-8	4-Chloroaniline	2000	UD	140	1000	2000	ug/Kg
87-68-3	Hexachlorobutadiene	2000	UD	74	1000	2000	ug/Kg
105-60-2	Caprolactam	2000	UD	94	1000	2000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2000	UD	90	1000	2000	ug/Kg
91-57-6	2-Methylnaphthalene	620	JD	51	1000	2000	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2000	UD	49	1000	2000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000	UD	62	1000	2000	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2000	UD	140	1000	2000	ug/Kg
92-52-4	1,1-Biphenyl	2000	UD	77	1000	2000	ug/Kg
91-58-7	2-Chloronaphthalene	2000	UD	46	1000	2000	ug/Kg
88-74-4	2-Nitroaniline	2000	UD	90	1000	2000	ug/Kg
131-11-3	Dimethylphthalate	380	JDB	55	1000	2000	ug/Kg
208-96-8	Acenaphthylene	2000	UD	51	1000	2000	ug/Kg
606-20-2	2,6-Dinitrotoluene	2000	UD	83	1000	2000	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-04-11-12DL	SDG No.:	C1610
Lab Sample ID:	C1610-14DL	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	18
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044552.D	5	03/24/11	04/06/11	PB54300

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	2000	UD	130	1000	2000	ug/Kg
83-32-9	Acenaphthene	290	JD	57	1000	2000	ug/Kg
51-28-5	2,4-Dinitrophenol	2000	UD	210	1000	2000	ug/Kg
100-02-7	4-Nitrophenol	2000	UD	380	1000	2000	ug/Kg
132-64-9	Dibenzofuran	2000	UD	79	1000	2000	ug/Kg
121-14-2	2,4-Dinitrotoluene	2000	UD	61	1000	2000	ug/Kg
84-66-2	Diethylphthalate	2000	UD	32	1000	2000	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2000	UD	110	1000	2000	ug/Kg
86-73-7	Fluorene	410	JD	77	1000	2000	ug/Kg
100-01-6	4-Nitroaniline	2000	UD	260	1000	2000	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000	UD	120	1000	2000	ug/Kg
86-30-6	N-Nitrosodiphenylamine	2000	UD	49	1000	2000	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2000	UD	40	1000	2000	ug/Kg
118-74-1	Hexachlorobenzene	2000	UD	83	1000	2000	ug/Kg
1912-24-9	Atrazine	2000	UD	110	1000	2000	ug/Kg
87-86-5	Pentachlorophenol	2000	UD	140	1000	2000	ug/Kg
85-01-8	Phenanthrene	1500	JD	55	1000	2000	ug/Kg
120-12-7	Anthracene	400	JD	41	1000	2000	ug/Kg
86-74-8	Carbazole	2000	UD	44	1000	2000	ug/Kg
84-74-2	Di-n-butylphthalate	2000	UD	160	1000	2000	ug/Kg
206-44-0	Fluoranthene	960	JD	41	1000	2000	ug/Kg
129-00-0	Pyrene	1400	JD	49	1000	2000	ug/Kg
85-68-7	Butylbenzylphthalate	2000	UD	97	1000	2000	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2000	UD	130	1000	2000	ug/Kg
56-55-3	Benzo(a)anthracene	430	JD	97	1000	2000	ug/Kg
218-01-9	Chrysene	480	JD	92	1000	2000	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	8800	D	72	1000	2000	ug/Kg
117-84-0	Di-n-octyl phthalate	310	JD	23	1000	2000	ug/Kg
205-99-2	Benzo(b)fluoranthene	350	JD	66	1000	2000	ug/Kg
207-08-9	Benzo(k)fluoranthene	2000	UD	95	1000	2000	ug/Kg
50-32-8	Benzo(a)pyrene	420	JD	44	1000	2000	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2000	UD	68	1000	2000	ug/Kg
53-70-3	Dibenz(a,h)anthracene	2000	UD	58	1000	2000	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-04-11-12DL	SDG No.:	C1610
Lab Sample ID:	C1610-14DL	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	18
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044552.D	5	03/24/11	04/06/11	PB54300

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	290	JD	82	1000	2000	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	129		26 - 141		86%	SPK: 150
13127-88-3	Phenol-d5	148		28 - 142		99%	SPK: 150
4165-60-0	Nitrobenzene-d5	305	*	30 - 150		306%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.1		19 - 182		65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	122		29 - 150		82%	SPK: 150
1718-51-0	Terphenyl-d14	68.2		24 - 191		68%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	48735	4.55				
1146-65-2	Naphthalene-d8	169082	5.72				
15067-26-2	Acenaphthene-d10	104746	7.36				
1517-22-2	Phenanthrene-d10	158124	8.97				
1719-03-5	Chrysene-d12	82562	12.13				
1520-96-3	Perylene-d12	77112	13.84				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-04-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-16	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	890 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044510.D	1	03/28/11	04/06/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	11	U	0.87	5.5	11	ug/L
108-95-2	Phenol	11	U	0.24	5.5	11	ug/L
111-44-4	bis(2-Chloroethyl)ether	11	U	0.62	5.5	11	ug/L
95-57-8	2-Chlorophenol	11	U	0.61	5.5	11	ug/L
95-48-7	2-Methylphenol	11	U	0.27	5.5	11	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	11	U	0.19	5.5	11	ug/L
98-86-2	Acetophenone	11	U	0.16	5.5	11	ug/L
65794-96-9	3+4-Methylphenols	11	U	0.43	5.5	11	ug/L
621-64-7	N-Nitroso-di-n-propylamine	11	U	0.22	5.5	11	ug/L
67-72-1	Hexachloroethane	11	U	0.28	5.5	11	ug/L
98-95-3	Nitrobenzene	11	U	0.76	5.5	11	ug/L
78-59-1	Isophorone	11	U	0.34	5.5	11	ug/L
88-75-5	2-Nitrophenol	11	U	0.58	5.5	11	ug/L
105-67-9	2,4-Dimethylphenol	11	U	0.8	5.5	11	ug/L
111-91-1	bis(2-Chloroethoxy)methane	11	U	0.62	5.5	11	ug/L
120-83-2	2,4-Dichlorophenol	11	U	0.74	5.5	11	ug/L
91-20-3	Naphthalene	11	U	0.13	5.5	11	ug/L
106-47-8	4-Chloroaniline	11	U	3.2	5.5	11	ug/L
87-68-3	Hexachlorobutadiene	11	U	0.28	5.5	11	ug/L
105-60-2	Caprolactam	11	U	2.2	5.5	11	ug/L
59-50-7	4-Chloro-3-methylphenol	11	U	0.45	5.5	11	ug/L
91-57-6	2-Methylnaphthalene	11	U	0.36	5.5	11	ug/L
77-47-4	Hexachlorocyclopentadiene	11	U	0.27	5.5	11	ug/L
88-06-2	2,4,6-Trichlorophenol	11	U	0.63	5.5	11	ug/L
95-95-4	2,4,5-Trichlorophenol	11	U	0.45	5.5	11	ug/L
92-52-4	1,1-Biphenyl	11	U	0.17	5.5	11	ug/L
91-58-7	2-Chloronaphthalene	11	U	0.18	5.5	11	ug/L
88-74-4	2-Nitroaniline	11	U	0.55	5.5	11	ug/L
131-11-3	Dimethylphthalate	2	J	0.25	5.5	11	ug/L
208-96-8	Acenaphthylene	11	U	0.79	5.5	11	ug/L
606-20-2	2,6-Dinitrotoluene	11	U	0.36	5.5	11	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-04-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-16	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	890 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044510.D	1	03/28/11	04/06/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	11	U	1.2	5.5	11	ug/L
83-32-9	Acenaphthene	11	U	0.24	5.5	11	ug/L
51-28-5	2,4-Dinitrophenol	11	U	2.4	5.5	11	ug/L
100-02-7	4-Nitrophenol	11	U	2.2	5.5	11	ug/L
132-64-9	Dibenzofuran	11	U	0.27	5.5	11	ug/L
121-14-2	2,4-Dinitrotoluene	11	U	1.2	5.5	11	ug/L
84-66-2	Diethylphthalate	11	U	0.43	5.5	11	ug/L
7005-72-3	4-Chlorophenyl-phenylether	11	U	0.24	5.5	11	ug/L
86-73-7	Fluorene	11	U	0.35	5.5	11	ug/L
100-01-6	4-Nitroaniline	11	U	1.5	5.5	11	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	11	U	0.83	5.5	11	ug/L
86-30-6	N-Nitrosodiphenylamine	11	U	0.67	5.5	11	ug/L
101-55-3	4-Bromophenyl-phenylether	11	U	0.26	5.5	11	ug/L
118-74-1	Hexachlorobenzene	11	U	0.2	5.5	11	ug/L
1912-24-9	Atrazine	11	U	0.45	5.5	11	ug/L
87-86-5	Pentachlorophenol	11	U	1.9	5.5	11	ug/L
85-01-8	Phenanthrene	11	U	0.29	5.5	11	ug/L
120-12-7	Anthracene	11	U	0.18	5.5	11	ug/L
86-74-8	Carbazole	11	U	0.25	5.5	11	ug/L
84-74-2	Di-n-butylphthalate	11	U	2.2	5.5	11	ug/L
206-44-0	Fluoranthene	11	U	0.45	5.5	11	ug/L
129-00-0	Pyrene	11	U	0.22	5.5	11	ug/L
85-68-7	Butylbenzylphthalate	11	U	0.21	5.5	11	ug/L
91-94-1	3,3-Dichlorobenzidine	11	U	2.2	5.5	11	ug/L
56-55-3	Benzo(a)anthracene	11	U	0.18	5.5	11	ug/L
218-01-9	Chrysene	11	U	0.2	5.5	11	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	11	U	0.18	5.5	11	ug/L
117-84-0	Di-n-octyl phthalate	11	U	0.57	5.5	11	ug/L
205-99-2	Benzo(b)fluoranthene	11	U	0.33	5.5	11	ug/L
207-08-9	Benzo(k)fluoranthene	11	U	0.2	5.5	11	ug/L
50-32-8	Benzo(a)pyrene	11	U	0.16	5.5	11	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	11	U	0.17	5.5	11	ug/L
53-70-3	Dibenz(a,h)anthracene	11	U	0.47	5.5	11	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-04-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-16	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	890 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044510.D	1	03/28/11	04/06/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	11	U	0.33	5.5	11	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	74		10 - 160		49%	SPK: 150
13127-88-3	Phenol-d5	48.5		10 - 160		32%	SPK: 150
4165-60-0	Nitrobenzene-d5	109		20 - 139		109%	SPK: 100
321-60-8	2-Fluorobiphenyl	102		10 - 173		102%	SPK: 100
118-79-6	2,4,6-Tribromophenol	180		10 - 169		120%	SPK: 150
1718-51-0	Terphenyl-d14	94.8		20 - 171		95%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	57274	4.56				
1146-65-2	Naphthalene-d8	208204	5.73				
15067-26-2	Acenaphthene-d10	111534	7.37				
1517-22-2	Phenanthrene-d10	183158	9				
1719-03-5	Chrysene-d12	129777	12.15				
1520-96-3	Perylene-d12	144129	13.87				
TENTITIVE IDENTIFIED COMPOUNDS							
	unknown1.74	6.1	J			1.74	ug/L
	unknown2.68	29	J			2.68	ug/L
	unknown2.97	8.0	J			2.97	ug/L
3728-54-9	Cyclohexane, 1-ethyl-2-methyl-	5.9	J			3.65	ug/L
	unknown3.77	11	J			3.77	ug/L
16747-50-5	Cyclopentane, 1-ethyl-1-methyl-	9.2	J			3.86	ug/L
2129-93-3	Propylidencyclohexane	4.9	J			4.03	ug/L
6783-92-2	Cyclohexane, 1,1,2,3-tetramethyl-	7.3	J			4.12	ug/L
108-67-8	Benzene, 1,3,5-trimethyl-	6.2	J			4.4	ug/L
105-05-5	Benzene, 1,4-diethyl-	9.5	J			4.8	ug/L
62338-57-2	1,4-Cyclohexadiene, 3-ethenyl-1,2-	11	J			4.87	ug/L
933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	4.4	J			4.89	ug/L
493-02-7	Naphthalene, decahydro-, trans-	7.7	J			4.93	ug/L
89-74-7	Ethanone, 1-(2,4-dimethylphenyl)-	6.3	J			5.17	ug/L
535-77-3	Benzene, 1-methyl-3-(1-methylethyl	7.7	J			5.29	ug/L
4706-90-5	Benzene, 1,3-dimethyl-5-(1-methyle	5.2	J			5.43	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-04-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-16	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	890 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044510.D	1	03/28/11	04/06/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	8.5	J			5.51	ug/L
	unknown9.93	4.6	J			9.93	ug/L
	unknown11.79	36	J			11.79	ug/L
	unknown11.86	41	J			11.86	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-05-9-10	SDG No.:	C1610
Lab Sample ID:	C1610-17	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	22
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070093.D	1	03/24/11	04/05/11	PB54300

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	420	U	22	210	420	ug/Kg
108-95-2	Phenol	420	U	9.8	210	420	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	420	U	20	210	420	ug/Kg
95-57-8	2-Chlorophenol	420	U	22	210	420	ug/Kg
95-48-7	2-Methylphenol	420	U	23	210	420	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	420	U	18	210	420	ug/Kg
98-86-2	Acetophenone	420	U	13	210	420	ug/Kg
65794-96-9	3+4-Methylphenols	420	U	22	210	420	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	420	U	21	210	420	ug/Kg
67-72-1	Hexachloroethane	420	U	19	210	420	ug/Kg
98-95-3	Nitrobenzene	420	U	16	210	420	ug/Kg
78-59-1	Isophorone	420	U	14	210	420	ug/Kg
88-75-5	2-Nitrophenol	420	U	21	210	420	ug/Kg
105-67-9	2,4-Dimethylphenol	420	U	24	210	420	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	420	U	25	210	420	ug/Kg
120-83-2	2,4-Dichlorophenol	420	U	16	210	420	ug/Kg
91-20-3	Naphthalene	420	U	15	210	420	ug/Kg
106-47-8	4-Chloroaniline	420	U	30	210	420	ug/Kg
87-68-3	Hexachlorobutadiene	420	U	15	210	420	ug/Kg
105-60-2	Caprolactam	420	U	20	210	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	420	U	19	210	420	ug/Kg
91-57-6	2-Methylnaphthalene	420	U	11	210	420	ug/Kg
77-47-4	Hexachlorocyclopentadiene	420	U	10	210	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	420	U	13	210	420	ug/Kg
95-95-4	2,4,5-Trichlorophenol	420	U	30	210	420	ug/Kg
92-52-4	1,1-Biphenyl	420	U	16	210	420	ug/Kg
91-58-7	2-Chloronaphthalene	420	U	9.7	210	420	ug/Kg
88-74-4	2-Nitroaniline	420	U	19	210	420	ug/Kg
131-11-3	Dimethylphthalate	390	JB	12	210	420	ug/Kg
208-96-8	Acenaphthylene	420	U	11	210	420	ug/Kg
606-20-2	2,6-Dinitrotoluene	420	U	17	210	420	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-05-9-10	SDG No.:	C1610
Lab Sample ID:	C1610-17	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	22
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070093.D	1	03/24/11	04/05/11	PB54300

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	420	U	27	210	420	ug/Kg
83-32-9	Acenaphthene	420	U	12	210	420	ug/Kg
51-28-5	2,4-Dinitrophenol	420	U	43	210	420	ug/Kg
100-02-7	4-Nitrophenol	420	U	79	210	420	ug/Kg
132-64-9	Dibenzofuran	420	U	17	210	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	420	U	13	210	420	ug/Kg
84-66-2	Diethylphthalate	420	U	6.6	210	420	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	420	U	23	210	420	ug/Kg
86-73-7	Fluorene	420	U	16	210	420	ug/Kg
100-01-6	4-Nitroaniline	420	U	55	210	420	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	420	U	24	210	420	ug/Kg
86-30-6	N-Nitrosodiphenylamine	420	U	10	210	420	ug/Kg
101-55-3	4-Bromophenyl-phenylether	420	U	8.3	210	420	ug/Kg
118-74-1	Hexachlorobenzene	420	U	17	210	420	ug/Kg
1912-24-9	Atrazine	420	U	22	210	420	ug/Kg
87-86-5	Pentachlorophenol	420	U	29	210	420	ug/Kg
85-01-8	Phenanthrene	420	U	12	210	420	ug/Kg
120-12-7	Anthracene	420	U	8.7	210	420	ug/Kg
86-74-8	Carbazole	420	U	9.3	210	420	ug/Kg
84-74-2	Di-n-butylphthalate	420	U	33	210	420	ug/Kg
206-44-0	Fluoranthene	420	U	8.6	210	420	ug/Kg
129-00-0	Pyrene	420	U	10	210	420	ug/Kg
85-68-7	Butylbenzylphthalate	420	U	20	210	420	ug/Kg
91-94-1	3,3-Dichlorobenzidine	420	U	27	210	420	ug/Kg
56-55-3	Benzo(a)anthracene	420	U	20	210	420	ug/Kg
218-01-9	Chrysene	420	U	19	210	420	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	420	U	15	210	420	ug/Kg
117-84-0	Di-n-octyl phthalate	420	U	4.9	210	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	420	U	14	210	420	ug/Kg
207-08-9	Benzo(k)fluoranthene	420	U	20	210	420	ug/Kg
50-32-8	Benzo(a)pyrene	420	U	9.2	210	420	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	420	U	14	210	420	ug/Kg
53-70-3	Dibenz(a,h)anthracene	420	U	12	210	420	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-05-9-10	SDG No.:	C1610
Lab Sample ID:	C1610-17	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	22
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070093.D	1	03/24/11	04/05/11	PB54300

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	420	U	17	210	420	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	134		26 - 141		90%	SPK: 150
13127-88-3	Phenol-d5	129		28 - 142		87%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.1		30 - 150		83%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.9		19 - 182		75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	122		29 - 150		82%	SPK: 150
1718-51-0	Terphenyl-d14	71.8		24 - 191		72%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	260357	8.83				
1146-65-2	Naphthalene-d8	1047530	11				
15067-26-2	Acenaphthene-d10	560898	13.97				
1517-22-2	Phenanthrene-d10	970066	16.44				
1719-03-5	Chrysene-d12	879441	20.93				
1520-96-3	Perylene-d12	769168	24.82				
TENTITIVE IDENTIFIED COMPOUNDS							
	unknown5.61	2000	J			5.61	ug/Kg
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	380	AB			6.06	ug/Kg
822-26-4	1-Docosanol, acetate	200	J			20.52	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-05-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-18	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	900 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044506.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	11	U	0.86	5.5	11	ug/L
108-95-2	Phenol	11	U	0.23	5.5	11	ug/L
111-44-4	bis(2-Chloroethyl)ether	11	U	0.61	5.5	11	ug/L
95-57-8	2-Chlorophenol	11	U	0.6	5.5	11	ug/L
95-48-7	2-Methylphenol	11	U	0.27	5.5	11	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	11	U	0.19	5.5	11	ug/L
98-86-2	Acetophenone	11	U	0.16	5.5	11	ug/L
65794-96-9	3+4-Methylphenols	11	U	0.42	5.5	11	ug/L
621-64-7	N-Nitroso-di-n-propylamine	11	U	0.22	5.5	11	ug/L
67-72-1	Hexachloroethane	11	U	0.28	5.5	11	ug/L
98-95-3	Nitrobenzene	11	U	0.76	5.5	11	ug/L
78-59-1	Isophorone	11	U	0.33	5.5	11	ug/L
88-75-5	2-Nitrophenol	11	U	0.58	5.5	11	ug/L
105-67-9	2,4-Dimethylphenol	11	U	0.79	5.5	11	ug/L
111-91-1	bis(2-Chloroethoxy)methane	11	U	0.61	5.5	11	ug/L
120-83-2	2,4-Dichlorophenol	11	U	0.73	5.5	11	ug/L
91-20-3	Naphthalene	11	U	0.13	5.5	11	ug/L
106-47-8	4-Chloroaniline	11	U	3.2	5.5	11	ug/L
87-68-3	Hexachlorobutadiene	11	U	0.28	5.5	11	ug/L
105-60-2	Caprolactam	11	U	2.2	5.5	11	ug/L
59-50-7	4-Chloro-3-methylphenol	11	U	0.44	5.5	11	ug/L
91-57-6	2-Methylnaphthalene	11	U	0.36	5.5	11	ug/L
77-47-4	Hexachlorocyclopentadiene	11	U	0.27	5.5	11	ug/L
88-06-2	2,4,6-Trichlorophenol	11	U	0.62	5.5	11	ug/L
95-95-4	2,4,5-Trichlorophenol	11	U	0.44	5.5	11	ug/L
92-52-4	1,1-Biphenyl	11	U	0.17	5.5	11	ug/L
91-58-7	2-Chloronaphthalene	11	U	0.18	5.5	11	ug/L
88-74-4	2-Nitroaniline	11	U	0.54	5.5	11	ug/L
131-11-3	Dimethylphthalate	11	U	0.24	5.5	11	ug/L
208-96-8	Acenaphthylene	11	U	0.78	5.5	11	ug/L
606-20-2	2,6-Dinitrotoluene	11	U	0.36	5.5	11	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-05-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-18	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	900 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044506.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	11	U	1.2	5.5	11	ug/L
83-32-9	Acenaphthene	11	U	0.23	5.5	11	ug/L
51-28-5	2,4-Dinitrophenol	11	U	2.3	5.5	11	ug/L
100-02-7	4-Nitrophenol	11	U	2.2	5.5	11	ug/L
132-64-9	Dibenzofuran	11	U	0.27	5.5	11	ug/L
121-14-2	2,4-Dinitrotoluene	11	U	1.1	5.5	11	ug/L
84-66-2	Diethylphthalate	11	U	0.42	5.5	11	ug/L
7005-72-3	4-Chlorophenyl-phenylether	11	U	0.23	5.5	11	ug/L
86-73-7	Fluorene	11	U	0.34	5.5	11	ug/L
100-01-6	4-Nitroaniline	11	U	1.5	5.5	11	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	11	U	0.82	5.5	11	ug/L
86-30-6	N-Nitrosodiphenylamine	11	U	0.67	5.5	11	ug/L
101-55-3	4-Bromophenyl-phenylether	11	U	0.26	5.5	11	ug/L
118-74-1	Hexachlorobenzene	11	U	0.2	5.5	11	ug/L
1912-24-9	Atrazine	11	U	0.44	5.5	11	ug/L
87-86-5	Pentachlorophenol	11	U	1.9	5.5	11	ug/L
85-01-8	Phenanthrene	11	U	0.29	5.5	11	ug/L
120-12-7	Anthracene	11	U	0.18	5.5	11	ug/L
86-74-8	Carbazole	11	U	0.24	5.5	11	ug/L
84-74-2	Di-n-butylphthalate	11	U	2.2	5.5	11	ug/L
206-44-0	Fluoranthene	11	U	0.44	5.5	11	ug/L
129-00-0	Pyrene	11	U	0.22	5.5	11	ug/L
85-68-7	Butylbenzylphthalate	11	U	0.21	5.5	11	ug/L
91-94-1	3,3-Dichlorobenzidine	11	U	2.2	5.5	11	ug/L
56-55-3	Benzo(a)anthracene	11	U	0.18	5.5	11	ug/L
218-01-9	Chrysene	11	U	0.2	5.5	11	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	11	U	0.18	5.5	11	ug/L
117-84-0	Di-n-octyl phthalate	11	U	0.57	5.5	11	ug/L
205-99-2	Benzo(b)fluoranthene	11	U	0.32	5.5	11	ug/L
207-08-9	Benzo(k)fluoranthene	11	U	0.2	5.5	11	ug/L
50-32-8	Benzo(a)pyrene	11	U	0.16	5.5	11	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	11	U	0.17	5.5	11	ug/L
53-70-3	Dibenz(a,h)anthracene	11	U	0.47	5.5	11	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-05-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-18	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	900 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044506.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	11	U	0.32	5.5	11	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	66.9		10 - 160		45%	SPK: 150
13127-88-3	Phenol-d5	48.2		10 - 160		32%	SPK: 150
4165-60-0	Nitrobenzene-d5	105		20 - 139		105%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.7		10 - 173		98%	SPK: 100
118-79-6	2,4,6-Tribromophenol	160		10 - 169		107%	SPK: 150
1718-51-0	Terphenyl-d14	85.1		20 - 171		85%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	65211	4.56				
1146-65-2	Naphthalene-d8	235655	5.73				
15067-26-2	Acenaphthene-d10	127793	7.37				
1517-22-2	Phenanthrene-d10	194622	9				
1719-03-5	Chrysene-d12	158243	12.15				
1520-96-3	Perylene-d12	162652	13.87				
TENTITIVE IDENTIFIED COMPOUNDS							
	unknown1.74	5.3	J			1.74	ug/L
	unknown2.68	280	J			2.68	ug/L
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	16	AB			2.97	ug/L
123-79-5	Hexanedioic acid, dioctyl ester	2.6	J			11.64	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-05-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-19	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	850 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044500.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	12	U	0.91	6	12	ug/L
108-95-2	Phenol	12	U	0.25	6	12	ug/L
111-44-4	bis(2-Chloroethyl)ether	12	U	0.65	6	12	ug/L
95-57-8	2-Chlorophenol	12	U	0.64	6	12	ug/L
95-48-7	2-Methylphenol	12	U	0.28	6	12	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	12	U	0.2	6	12	ug/L
98-86-2	Acetophenone	12	U	0.16	6	12	ug/L
65794-96-9	3+4-Methylphenols	12	U	0.45	6	12	ug/L
621-64-7	N-Nitroso-di-n-propylamine	12	U	0.24	6	12	ug/L
67-72-1	Hexachloroethane	12	U	0.29	6	12	ug/L
98-95-3	Nitrobenzene	12	U	0.8	6	12	ug/L
78-59-1	Isophorone	12	U	0.35	6	12	ug/L
88-75-5	2-Nitrophenol	12	U	0.61	6	12	ug/L
105-67-9	2,4-Dimethylphenol	12	U	0.84	6	12	ug/L
111-91-1	bis(2-Chloroethoxy)methane	12	U	0.65	6	12	ug/L
120-83-2	2,4-Dichlorophenol	12	U	0.78	6	12	ug/L
91-20-3	Naphthalene	12	U	0.14	6	12	ug/L
106-47-8	4-Chloroaniline	12	U	3.4	6	12	ug/L
87-68-3	Hexachlorobutadiene	12	U	0.29	6	12	ug/L
105-60-2	Caprolactam	12	U	2.4	6	12	ug/L
59-50-7	4-Chloro-3-methylphenol	12	U	0.47	6	12	ug/L
91-57-6	2-Methylnaphthalene	12	U	0.38	6	12	ug/L
77-47-4	Hexachlorocyclopentadiene	12	U	0.28	6	12	ug/L
88-06-2	2,4,6-Trichlorophenol	12	U	0.66	6	12	ug/L
95-95-4	2,4,5-Trichlorophenol	12	U	0.47	6	12	ug/L
92-52-4	1,1-Biphenyl	12	U	0.18	6	12	ug/L
91-58-7	2-Chloronaphthalene	12	U	0.19	6	12	ug/L
88-74-4	2-Nitroaniline	12	U	0.58	6	12	ug/L
131-11-3	Dimethylphthalate	12	U	0.26	6	12	ug/L
208-96-8	Acenaphthylene	12	U	0.82	6	12	ug/L
606-20-2	2,6-Dinitrotoluene	12	U	0.38	6	12	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-05-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-19	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	850 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044500.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	12	U	1.3	6	12	ug/L
83-32-9	Acenaphthene	12	U	0.25	6	12	ug/L
51-28-5	2,4-Dinitrophenol	12	U	2.5	6	12	ug/L
100-02-7	4-Nitrophenol	12	U	2.4	6	12	ug/L
132-64-9	Dibenzofuran	12	U	0.28	6	12	ug/L
121-14-2	2,4-Dinitrotoluene	12	U	1.2	6	12	ug/L
84-66-2	Diethylphthalate	12	U	0.45	6	12	ug/L
7005-72-3	4-Chlorophenyl-phenylether	12	U	0.25	6	12	ug/L
86-73-7	Fluorene	12	U	0.36	6	12	ug/L
100-01-6	4-Nitroaniline	12	U	1.6	6	12	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	12	U	0.87	6	12	ug/L
86-30-6	N-Nitrosodiphenylamine	12	U	0.71	6	12	ug/L
101-55-3	4-Bromophenyl-phenylether	12	U	0.27	6	12	ug/L
118-74-1	Hexachlorobenzene	12	U	0.21	6	12	ug/L
1912-24-9	Atrazine	12	U	0.47	6	12	ug/L
87-86-5	Pentachlorophenol	12	U	2	6	12	ug/L
85-01-8	Phenanthrene	12	U	0.31	6	12	ug/L
120-12-7	Anthracene	12	U	0.19	6	12	ug/L
86-74-8	Carbazole	12	U	0.26	6	12	ug/L
84-74-2	Di-n-butylphthalate	12	U	2.4	6	12	ug/L
206-44-0	Fluoranthene	12	U	0.47	6	12	ug/L
129-00-0	Pyrene	12	U	0.24	6	12	ug/L
85-68-7	Butylbenzylphthalate	12	U	0.22	6	12	ug/L
91-94-1	3,3-Dichlorobenzidine	12	U	2.4	6	12	ug/L
56-55-3	Benzo(a)anthracene	12	U	0.19	6	12	ug/L
218-01-9	Chrysene	12	U	0.21	6	12	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	12	U	0.19	6	12	ug/L
117-84-0	Di-n-octyl phthalate	12	U	0.6	6	12	ug/L
205-99-2	Benzo(b)fluoranthene	12	U	0.34	6	12	ug/L
207-08-9	Benzo(k)fluoranthene	12	U	0.21	6	12	ug/L
50-32-8	Benzo(a)pyrene	12	U	0.16	6	12	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	12	U	0.18	6	12	ug/L
53-70-3	Dibenz(a,h)anthracene	12	U	0.49	6	12	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-05-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-19	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	850 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044500.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	12	U	0.34	6	12	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	70.3		10 - 160		47%	SPK: 150
13127-88-3	Phenol-d5	48		10 - 160		32%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.2		20 - 139		97%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.3		10 - 173		96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	159		10 - 169		107%	SPK: 150
1718-51-0	Terphenyl-d14	85.7		20 - 171		86%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	61371	4.56				
1146-65-2	Naphthalene-d8	242290	5.73				
15067-26-2	Acenaphthene-d10	127001	7.37				
1517-22-2	Phenanthrene-d10	202175	9				
1719-03-5	Chrysene-d12	166193	12.15				
1520-96-3	Perylene-d12	169124	13.87				
TENTITIVE IDENTIFIED COMPOUNDS							
	unknown1.74	11	J			1.74	ug/L
	unknown2.68	510	J			2.68	ug/L
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.5	AB			2.97	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-06-10-11	SDG No.:	C1610
Lab Sample ID:	C1610-20	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	20
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044431.D	1	03/28/11	04/01/11	PB54344

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	410	U	22	205	410	ug/Kg
108-95-2	Phenol	410	U	9.6	205	410	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	410	U	20	205	410	ug/Kg
95-57-8	2-Chlorophenol	410	U	22	205	410	ug/Kg
95-48-7	2-Methylphenol	410	U	23	205	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	410	U	17	205	410	ug/Kg
98-86-2	Acetophenone	410	U	13	205	410	ug/Kg
65794-96-9	3+4-Methylphenols	410	U	22	205	410	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	410	U	21	205	410	ug/Kg
67-72-1	Hexachloroethane	410	U	19	205	410	ug/Kg
98-95-3	Nitrobenzene	410	U	16	205	410	ug/Kg
78-59-1	Isophorone	410	U	14	205	410	ug/Kg
88-75-5	2-Nitrophenol	410	U	20	205	410	ug/Kg
105-67-9	2,4-Dimethylphenol	410	U	24	205	410	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	410	U	24	205	410	ug/Kg
120-83-2	2,4-Dichlorophenol	410	U	16	205	410	ug/Kg
91-20-3	Naphthalene	78	J	14	205	410	ug/Kg
106-47-8	4-Chloroaniline	410	U	29	205	410	ug/Kg
87-68-3	Hexachlorobutadiene	410	U	15	205	410	ug/Kg
105-60-2	Caprolactam	410	U	19	205	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	410	U	18	205	410	ug/Kg
91-57-6	2-Methylnaphthalene	410	U	10	205	410	ug/Kg
77-47-4	Hexachlorocyclopentadiene	410	U	10	205	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	410	U	13	205	410	ug/Kg
95-95-4	2,4,5-Trichlorophenol	410	U	29	205	410	ug/Kg
92-52-4	1,1-Biphenyl	410	U	16	205	410	ug/Kg
91-58-7	2-Chloronaphthalene	410	U	9.5	205	410	ug/Kg
88-74-4	2-Nitroaniline	410	U	18	205	410	ug/Kg
131-11-3	Dimethylphthalate	300	JB	11	205	410	ug/Kg
208-96-8	Acenaphthylene	410	U	10	205	410	ug/Kg
606-20-2	2,6-Dinitrotoluene	410	U	17	205	410	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-06-10-11	SDG No.:	C1610
Lab Sample ID:	C1610-20	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	20
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044431.D	1	03/28/11	04/01/11	PB54344

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	410	U	27	205	410	ug/Kg
83-32-9	Acenaphthene	58	J	12	205	410	ug/Kg
51-28-5	2,4-Dinitrophenol	410	U	42	205	410	ug/Kg
100-02-7	4-Nitrophenol	410	U	77	205	410	ug/Kg
132-64-9	Dibenzofuran	57	J	16	205	410	ug/Kg
121-14-2	2,4-Dinitrotoluene	410	U	13	205	410	ug/Kg
84-66-2	Diethylphthalate	410	U	6.5	205	410	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	410	U	23	205	410	ug/Kg
86-73-7	Fluorene	69	J	16	205	410	ug/Kg
100-01-6	4-Nitroaniline	410	U	54	205	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	410	U	24	205	410	ug/Kg
86-30-6	N-Nitrosodiphenylamine	410	U	10	205	410	ug/Kg
101-55-3	4-Bromophenyl-phenylether	410	U	8.1	205	410	ug/Kg
118-74-1	Hexachlorobenzene	410	U	17	205	410	ug/Kg
1912-24-9	Atrazine	410	U	22	205	410	ug/Kg
87-86-5	Pentachlorophenol	410	U	28	205	410	ug/Kg
85-01-8	Phenanthrene	980		11	205	410	ug/Kg
120-12-7	Anthracene	230	J	8.5	205	410	ug/Kg
86-74-8	Carbazole	92	J	9.1	205	410	ug/Kg
84-74-2	Di-n-butylphthalate	180	J	33	205	410	ug/Kg
206-44-0	Fluoranthene	1100		8.3	205	410	ug/Kg
129-00-0	Pyrene	1000		10	205	410	ug/Kg
85-68-7	Butylbenzylphthalate	410	U	20	205	410	ug/Kg
91-94-1	3,3-Dichlorobenzidine	410	U	27	205	410	ug/Kg
56-55-3	Benzo(a)anthracene	470		20	205	410	ug/Kg
218-01-9	Chrysene	460		19	205	410	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	3800	E	15	205	410	ug/Kg
117-84-0	Di-n-octyl phthalate	2400		4.7	205	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	590		14	205	410	ug/Kg
207-08-9	Benzo(k)fluoranthene	190	J	20	205	410	ug/Kg
50-32-8	Benzo(a)pyrene	440		9	205	410	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	230	J	14	205	410	ug/Kg
53-70-3	Dibenz(a,h)anthracene	77	J	12	205	410	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-06-10-11	SDG No.:	C1610
Lab Sample ID:	C1610-20	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	20
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044431.D	1	03/28/11	04/01/11	PB54344

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	330	J	17	205	410	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	131		26 - 141		87%	SPK: 150
13127-88-3	Phenol-d5	126		28 - 142		84%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.9		30 - 150		93%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.2		19 - 182		84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	137		29 - 150		91%	SPK: 150
1718-51-0	Terphenyl-d14	91.7		24 - 191		92%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	70818	4.59				
1146-65-2	Naphthalene-d8	245241	5.76				
15067-26-2	Acenaphthene-d10	129919	7.41				
1517-22-2	Phenanthrene-d10	185714	9.04				
1719-03-5	Chrysene-d12	111125	12.2				
1520-96-3	Perylene-d12	100261	13.94				
TENTITIVE IDENTIFIED COMPOUNDS							
	unknown2.72	280	JB			2.72	ug/Kg
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	340	AB			3.01	ug/Kg
4926-78-7	Cyclohexane, 1-ethyl-4-methyl-, ci	190	J			3.69	ug/Kg
	unknown3.80	300	JB			3.8	ug/Kg
5911-04-6	Nonane, 3-methyl-	680	J			3.89	ug/Kg
7146-60-3	Octane, 2,3-dimethyl-	230	J			3.94	ug/Kg
17615-91-7	Undecane, 5,6-dimethyl-	370	J			4.07	ug/Kg
4057-42-5	2-Octene, 2,6-dimethyl-	300	J			4.16	ug/Kg
4291-79-6	Cyclohexane, 1-methyl-2-propyl-	210	J			4.47	ug/Kg
74645-98-0	Dodecane, 2,7,10-trimethyl-	220	J			4.66	ug/Kg
493-02-7	Naphthalene, decahydro-, trans-	220	J			4.96	ug/Kg
	unknown5.20	290	JB			5.2	ug/Kg
3913-02-8	1-Octanol, 2-butyl-	180	J			5.27	ug/Kg
	unknown5.34	310	JB			5.34	ug/Kg
4292-92-6	Cyclohexane, pentyl-	300	J			5.44	ug/Kg
25724-58-7	1,2-Benzenedicarboxylic acid, decy	220	J			11.5	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-06-10-11	SDG No.:	C1610
Lab Sample ID:	C1610-20	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	20
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044431.D	1	03/28/11	04/01/11	PB54344

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
103-23-1	Hexanedioic acid, bis(2-ethylhexyl	2000	J			11.69	ug/Kg
	unknown12.13	190	JB			12.13	ug/Kg
205-82-3	Benzo[j]fluoranthene	350	J			13.79	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-06-10-11DL	SDG No.:	C1610
Lab Sample ID:	C1610-20DL	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	20
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044507.D	2	03/28/11	04/05/11	PB54344

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	820	UD	43	410	820	ug/Kg
108-95-2	Phenol	820	UD	19	410	820	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	820	UD	40	410	820	ug/Kg
95-57-8	2-Chlorophenol	820	UD	44	410	820	ug/Kg
95-48-7	2-Methylphenol	820	UD	45	410	820	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	820	UD	34	410	820	ug/Kg
98-86-2	Acetophenone	820	UD	25	410	820	ug/Kg
65794-96-9	3+4-Methylphenols	820	UD	43	410	820	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	820	UD	42	410	820	ug/Kg
67-72-1	Hexachloroethane	820	UD	37	410	820	ug/Kg
98-95-3	Nitrobenzene	820	UD	31	410	820	ug/Kg
78-59-1	Isophorone	820	UD	27	410	820	ug/Kg
88-75-5	2-Nitrophenol	820	UD	40	410	820	ug/Kg
105-67-9	2,4-Dimethylphenol	820	UD	47	410	820	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	820	UD	48	410	820	ug/Kg
120-83-2	2,4-Dichlorophenol	820	UD	32	410	820	ug/Kg
91-20-3	Naphthalene	820	UD	29	410	820	ug/Kg
106-47-8	4-Chloroaniline	820	UD	59	410	820	ug/Kg
87-68-3	Hexachlorobutadiene	820	UD	30	410	820	ug/Kg
105-60-2	Caprolactam	820	UD	39	410	820	ug/Kg
59-50-7	4-Chloro-3-methylphenol	820	UD	37	410	820	ug/Kg
91-57-6	2-Methylnaphthalene	820	UD	21	410	820	ug/Kg
77-47-4	Hexachlorocyclopentadiene	820	UD	20	410	820	ug/Kg
88-06-2	2,4,6-Trichlorophenol	820	UD	25	410	820	ug/Kg
95-95-4	2,4,5-Trichlorophenol	820	UD	58	410	820	ug/Kg
92-52-4	1,1-Biphenyl	820	UD	31	410	820	ug/Kg
91-58-7	2-Chloronaphthalene	820	UD	19	410	820	ug/Kg
88-74-4	2-Nitroaniline	820	UD	37	410	820	ug/Kg
131-11-3	Dimethylphthalate	310	JDB	22	410	820	ug/Kg
208-96-8	Acenaphthylene	820	UD	21	410	820	ug/Kg
606-20-2	2,6-Dinitrotoluene	820	UD	34	410	820	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-06-10-11DL	SDG No.:	C1610
Lab Sample ID:	C1610-20DL	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	20
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044507.D	2	03/28/11	04/05/11	PB54344

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	820	UD	53	410	820	ug/Kg
83-32-9	Acenaphthene	820	UD	23	410	820	ug/Kg
51-28-5	2,4-Dinitrophenol	820	UD	84	410	820	ug/Kg
100-02-7	4-Nitrophenol	820	UD	150	410	820	ug/Kg
132-64-9	Dibenzofuran	820	UD	32	410	820	ug/Kg
121-14-2	2,4-Dinitrotoluene	820	UD	25	410	820	ug/Kg
84-66-2	Diethylphthalate	820	UD	13	410	820	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	820	UD	45	410	820	ug/Kg
86-73-7	Fluorene	820	UD	31	410	820	ug/Kg
100-01-6	4-Nitroaniline	820	UD	110	410	820	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	820	UD	48	410	820	ug/Kg
86-30-6	N-Nitrosodiphenylamine	820	UD	20	410	820	ug/Kg
101-55-3	4-Bromophenyl-phenylether	820	UD	16	410	820	ug/Kg
118-74-1	Hexachlorobenzene	820	UD	34	410	820	ug/Kg
1912-24-9	Atrazine	820	UD	44	410	820	ug/Kg
87-86-5	Pentachlorophenol	820	UD	57	410	820	ug/Kg
85-01-8	Phenanthrene	940	D	22	410	820	ug/Kg
120-12-7	Anthracene	210	JD	17	410	820	ug/Kg
86-74-8	Carbazole	820	UD	18	410	820	ug/Kg
84-74-2	Di-n-butylphthalate	180	JD	65	410	820	ug/Kg
206-44-0	Fluoranthene	1100	D	17	410	820	ug/Kg
129-00-0	Pyrene	890	D	20	410	820	ug/Kg
85-68-7	Butylbenzylphthalate	820	UD	40	410	820	ug/Kg
91-94-1	3,3-Dichlorobenzidine	820	UD	53	410	820	ug/Kg
56-55-3	Benzo(a)anthracene	460	JD	40	410	820	ug/Kg
218-01-9	Chrysene	460	JD	38	410	820	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	3700	D	29	410	820	ug/Kg
117-84-0	Di-n-octyl phthalate	2300	D	9.5	410	820	ug/Kg
205-99-2	Benzo(b)fluoranthene	510	JD	27	410	820	ug/Kg
207-08-9	Benzo(k)fluoranthene	210	JD	39	410	820	ug/Kg
50-32-8	Benzo(a)pyrene	390	JD	18	410	820	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	200	JD	28	410	820	ug/Kg
53-70-3	Dibenz(a,h)anthracene	820	UD	24	410	820	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-06-10-11DL	SDG No.:	C1610
Lab Sample ID:	C1610-20DL	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	20
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044507.D	2	03/28/11	04/05/11	PB54344

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	290	JD	34	410	820	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	134		26 - 141		90%	SPK: 150
13127-88-3	Phenol-d5	136		28 - 142		91%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.9		30 - 150		91%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.7		19 - 182		85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	149		29 - 150		100%	SPK: 150
1718-51-0	Terphenyl-d14	83.7		24 - 191		84%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	63201	4.56				
1146-65-2	Naphthalene-d8	241691	5.73				
15067-26-2	Acenaphthene-d10	130808	7.37				
1517-22-2	Phenanthrene-d10	206236	9				
1719-03-5	Chrysene-d12	151401	12.15				
1520-96-3	Perylene-d12	133127	13.87				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-06-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-21	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	830 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070095.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	12	U	0.93	6	12	ug/L
108-95-2	Phenol	12	U	0.25	6	12	ug/L
111-44-4	bis(2-Chloroethyl)ether	12	U	0.66	6	12	ug/L
95-57-8	2-Chlorophenol	12	U	0.65	6	12	ug/L
95-48-7	2-Methylphenol	12	U	0.29	6	12	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	12	U	0.2	6	12	ug/L
98-86-2	Acetophenone	12	U	0.17	6	12	ug/L
65794-96-9	3+4-Methylphenols	12	U	0.46	6	12	ug/L
621-64-7	N-Nitroso-di-n-propylamine	12	U	0.24	6	12	ug/L
67-72-1	Hexachloroethane	12	U	0.3	6	12	ug/L
98-95-3	Nitrobenzene	12	U	0.82	6	12	ug/L
78-59-1	Isophorone	12	U	0.36	6	12	ug/L
88-75-5	2-Nitrophenol	12	U	0.63	6	12	ug/L
105-67-9	2,4-Dimethylphenol	12	U	0.86	6	12	ug/L
111-91-1	bis(2-Chloroethoxy)methane	12	U	0.66	6	12	ug/L
120-83-2	2,4-Dichlorophenol	12	U	0.8	6	12	ug/L
91-20-3	Naphthalene	12	U	0.14	6	12	ug/L
106-47-8	4-Chloroaniline	12	U	3.4	6	12	ug/L
87-68-3	Hexachlorobutadiene	12	U	0.3	6	12	ug/L
105-60-2	Caprolactam	12	U	2.4	6	12	ug/L
59-50-7	4-Chloro-3-methylphenol	12	U	0.48	6	12	ug/L
91-57-6	2-Methylnaphthalene	12	U	0.39	6	12	ug/L
77-47-4	Hexachlorocyclopentadiene	12	U	0.29	6	12	ug/L
88-06-2	2,4,6-Trichlorophenol	12	U	0.67	6	12	ug/L
95-95-4	2,4,5-Trichlorophenol	12	U	0.48	6	12	ug/L
92-52-4	1,1-Biphenyl	12	U	0.18	6	12	ug/L
91-58-7	2-Chloronaphthalene	12	U	0.19	6	12	ug/L
88-74-4	2-Nitroaniline	12	U	0.59	6	12	ug/L
131-11-3	Dimethylphthalate	12	U	0.27	6	12	ug/L
208-96-8	Acenaphthylene	12	U	0.84	6	12	ug/L
606-20-2	2,6-Dinitrotoluene	12	U	0.39	6	12	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-06-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-21	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	830 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070095.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	12	U	1.3	6	12	ug/L
83-32-9	Acenaphthene	12	U	0.25	6	12	ug/L
51-28-5	2,4-Dinitrophenol	12	U	2.5	6	12	ug/L
100-02-7	4-Nitrophenol	12	U	2.4	6	12	ug/L
132-64-9	Dibenzofuran	12	U	0.29	6	12	ug/L
121-14-2	2,4-Dinitrotoluene	12	U	1.2	6	12	ug/L
84-66-2	Diethylphthalate	12	U	0.46	6	12	ug/L
7005-72-3	4-Chlorophenyl-phenylether	12	U	0.25	6	12	ug/L
86-73-7	Fluorene	12	U	0.37	6	12	ug/L
100-01-6	4-Nitroaniline	12	U	1.6	6	12	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	12	U	0.89	6	12	ug/L
86-30-6	N-Nitrosodiphenylamine	12	U	0.72	6	12	ug/L
101-55-3	4-Bromophenyl-phenylether	12	U	0.28	6	12	ug/L
118-74-1	Hexachlorobenzene	12	U	0.22	6	12	ug/L
1912-24-9	Atrazine	12	U	0.48	6	12	ug/L
87-86-5	Pentachlorophenol	12	U	2.1	6	12	ug/L
85-01-8	Phenanthrene	12	U	0.31	6	12	ug/L
120-12-7	Anthracene	12	U	0.19	6	12	ug/L
86-74-8	Carbazole	12	U	0.27	6	12	ug/L
84-74-2	Di-n-butylphthalate	12	U	2.4	6	12	ug/L
206-44-0	Fluoranthene	12	U	0.48	6	12	ug/L
129-00-0	Pyrene	12	U	0.24	6	12	ug/L
85-68-7	Butylbenzylphthalate	12	U	0.23	6	12	ug/L
91-94-1	3,3-Dichlorobenzidine	12	U	2.4	6	12	ug/L
56-55-3	Benzo(a)anthracene	12	U	0.19	6	12	ug/L
218-01-9	Chrysene	12	U	0.22	6	12	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	12	U	0.19	6	12	ug/L
117-84-0	Di-n-octyl phthalate	12	U	0.61	6	12	ug/L
205-99-2	Benzo(b)fluoranthene	12	U	0.35	6	12	ug/L
207-08-9	Benzo(k)fluoranthene	12	U	0.22	6	12	ug/L
50-32-8	Benzo(a)pyrene	12	U	0.17	6	12	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	12	U	0.18	6	12	ug/L
53-70-3	Dibenz(a,h)anthracene	12	U	0.51	6	12	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-06-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-21	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	830 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070095.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	12	U	0.35	6	12	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	44.5		10 - 160		30%	SPK: 150
13127-88-3	Phenol-d5	28		10 - 160		19%	SPK: 150
4165-60-0	Nitrobenzene-d5	77		20 - 139		77%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.8		10 - 173		77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	94.4		10 - 169		63%	SPK: 150
1718-51-0	Terphenyl-d14	76.4		20 - 171		76%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	263543	8.83				
1146-65-2	Naphthalene-d8	1056040	11				
15067-26-2	Acenaphthene-d10	598558	13.97				
1517-22-2	Phenanthrene-d10	1028160	16.44				
1719-03-5	Chrysene-d12	926258	20.93				
1520-96-3	Perylene-d12	796124	24.82				
TENTITIVE IDENTIFIED COMPOUNDS							
4923-78-8	Cyclohexane, 1-ethyl-2-methyl-, tr	11	J			7.31	ug/L
98-82-8	Benzene, (1-methylethyl)-	16	J			7.5	ug/L
2051-30-1	Octane, 2,6-dimethyl-	9.9	J			7.6	ug/L
1678-92-8	Cyclohexane, propyl-	16	J			7.65	ug/L
3178-29-8	Heptane, 4-propyl-	8.4	J			7.7	ug/L
103-65-1	Benzene, propyl-	23	J			7.96	ug/L
135-98-8	Benzene, (1-methylpropyl)-	15	J			8.76	ug/L
105-05-5	Benzene, 1,4-diethyl-	12	J			9.24	ug/L
62690-65-7	Naphthalene, 1,2,3,5,8,8a-hexahydr	7.8	J			9.36	ug/L
135-01-3	Benzene, 1,2-diethyl-	7.5	J			9.4	ug/L
4218-48-8	Benzene, 1-ethyl-4-(1-methylethyl)	10	J			9.9	ug/L
4912-92-9	1H-Indene, 2,3-dihydro-1,1-dimethy	15	J			10	ug/L
2050-24-0	Benzene, 1,3-diethyl-5-methyl-	7.3	J			10.09	ug/L
95-93-2	Benzene, 1,2,4,5-tetramethyl-	29	J			10.13	ug/L
56253-64-6	Benzene, (2-methyl-1-butenyl)-	15	J			10.41	ug/L
933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	16	J			10.56	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-06-GW-13	SDG No.:	C1610
Lab Sample ID:	C1610-21	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	830 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070095.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
	unknown12.69	10	J			12.69	ug/L
	unknown14.12	9.1	J			14.12	ug/L
56131-49-8	Benzoic acid, 4-propyl-, 4-cyanoph	7.4	J			14.42	ug/L
	unknown14.47	7.8	J			14.47	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-06-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-22	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	870 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070094.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	11	U	0.89	5.5	11	ug/L
108-95-2	Phenol	11	U	0.24	5.5	11	ug/L
111-44-4	bis(2-Chloroethyl)ether	11	U	0.63	5.5	11	ug/L
95-57-8	2-Chlorophenol	11	U	0.62	5.5	11	ug/L
95-48-7	2-Methylphenol	11	U	0.28	5.5	11	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	11	U	0.2	5.5	11	ug/L
98-86-2	Acetophenone	11	U	0.16	5.5	11	ug/L
65794-96-9	3+4-Methylphenols	11	U	0.44	5.5	11	ug/L
621-64-7	N-Nitroso-di-n-propylamine	11	U	0.23	5.5	11	ug/L
67-72-1	Hexachloroethane	11	U	0.29	5.5	11	ug/L
98-95-3	Nitrobenzene	11	U	0.78	5.5	11	ug/L
78-59-1	Isophorone	11	U	0.34	5.5	11	ug/L
88-75-5	2-Nitrophenol	11	U	0.6	5.5	11	ug/L
105-67-9	2,4-Dimethylphenol	11	U	0.82	5.5	11	ug/L
111-91-1	bis(2-Chloroethoxy)methane	11	U	0.63	5.5	11	ug/L
120-83-2	2,4-Dichlorophenol	11	U	0.76	5.5	11	ug/L
91-20-3	Naphthalene	11	U	0.14	5.5	11	ug/L
106-47-8	4-Chloroaniline	11	U	3.3	5.5	11	ug/L
87-68-3	Hexachlorobutadiene	11	U	0.29	5.5	11	ug/L
105-60-2	Caprolactam	11	U	2.3	5.5	11	ug/L
59-50-7	4-Chloro-3-methylphenol	11	U	0.46	5.5	11	ug/L
91-57-6	2-Methylnaphthalene	11	U	0.37	5.5	11	ug/L
77-47-4	Hexachlorocyclopentadiene	11	U	0.28	5.5	11	ug/L
88-06-2	2,4,6-Trichlorophenol	11	U	0.64	5.5	11	ug/L
95-95-4	2,4,5-Trichlorophenol	11	U	0.46	5.5	11	ug/L
92-52-4	1,1-Biphenyl	11	U	0.17	5.5	11	ug/L
91-58-7	2-Chloronaphthalene	11	U	0.18	5.5	11	ug/L
88-74-4	2-Nitroaniline	11	U	0.56	5.5	11	ug/L
131-11-3	Dimethylphthalate	11	U	0.25	5.5	11	ug/L
208-96-8	Acenaphthylene	11	U	0.8	5.5	11	ug/L
606-20-2	2,6-Dinitrotoluene	11	U	0.37	5.5	11	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-06-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-22	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	870 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070094.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	11	U	1.3	5.5	11	ug/L
83-32-9	Acenaphthene	11	U	0.24	5.5	11	ug/L
51-28-5	2,4-Dinitrophenol	11	U	2.4	5.5	11	ug/L
100-02-7	4-Nitrophenol	11	U	2.3	5.5	11	ug/L
132-64-9	Dibenzofuran	11	U	0.28	5.5	11	ug/L
121-14-2	2,4-Dinitrotoluene	11	U	1.2	5.5	11	ug/L
84-66-2	Diethylphthalate	11	U	0.44	5.5	11	ug/L
7005-72-3	4-Chlorophenyl-phenylether	11	U	0.24	5.5	11	ug/L
86-73-7	Fluorene	11	U	0.36	5.5	11	ug/L
100-01-6	4-Nitroaniline	11	U	1.6	5.5	11	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	11	U	0.85	5.5	11	ug/L
86-30-6	N-Nitrosodiphenylamine	11	U	0.69	5.5	11	ug/L
101-55-3	4-Bromophenyl-phenylether	11	U	0.26	5.5	11	ug/L
118-74-1	Hexachlorobenzene	11	U	0.21	5.5	11	ug/L
1912-24-9	Atrazine	11	U	0.46	5.5	11	ug/L
87-86-5	Pentachlorophenol	11	U	2	5.5	11	ug/L
85-01-8	Phenanthrene	11	U	0.3	5.5	11	ug/L
120-12-7	Anthracene	11	U	0.18	5.5	11	ug/L
86-74-8	Carbazole	11	U	0.25	5.5	11	ug/L
84-74-2	Di-n-butylphthalate	11	U	2.3	5.5	11	ug/L
206-44-0	Fluoranthene	11	U	0.46	5.5	11	ug/L
129-00-0	Pyrene	11	U	0.23	5.5	11	ug/L
85-68-7	Butylbenzylphthalate	11	U	0.22	5.5	11	ug/L
91-94-1	3,3-Dichlorobenzidine	11	U	2.3	5.5	11	ug/L
56-55-3	Benzo(a)anthracene	11	U	0.18	5.5	11	ug/L
218-01-9	Chrysene	11	U	0.21	5.5	11	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	11	U	0.18	5.5	11	ug/L
117-84-0	Di-n-octyl phthalate	11	U	0.59	5.5	11	ug/L
205-99-2	Benzo(b)fluoranthene	11	U	0.33	5.5	11	ug/L
207-08-9	Benzo(k)fluoranthene	11	U	0.21	5.5	11	ug/L
50-32-8	Benzo(a)pyrene	11	U	0.16	5.5	11	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	11	U	0.17	5.5	11	ug/L
53-70-3	Dibenz(a,h)anthracene	11	U	0.48	5.5	11	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/22/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/23/11
Client Sample ID:	SB-06-GW-25	SDG No.:	C1610
Lab Sample ID:	C1610-22	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	870 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup : N	PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE070094.D	1	03/28/11	04/05/11	PB54328

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	11	U	0.33	5.5	11	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	77.3		10 - 160		52%	SPK: 150
13127-88-3	Phenol-d5	46.2		10 - 160		31%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.1		20 - 139		99%	SPK: 100
321-60-8	2-Fluorobiphenyl	102		10 - 173		102%	SPK: 100
118-79-6	2,4,6-Tribromophenol	155		10 - 169		103%	SPK: 150
1718-51-0	Terphenyl-d14	90.7		20 - 171		91%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	267086	8.83				
1146-65-2	Naphthalene-d8	1072180	11				
15067-26-2	Acenaphthene-d10	598161	13.97				
1517-22-2	Phenanthrene-d10	1047430	16.44				
1719-03-5	Chrysene-d12	954634	20.93				
1520-96-3	Perylene-d12	803282	24.82				
TENTITIVE IDENTIFIED COMPOUNDS							
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.8	AB			6.05	ug/L
3728-55-0	1-Ethyl-3-methylcyclohexane (c,t)	5.2	J			7.31	ug/L
2129-93-3	Propylidencyclohexane	6.6	J			7.52	ug/L
1678-92-8	Cyclohexane, propyl-	5.2	J			7.65	ug/L
	unknown7.96	3.2	J			7.96	ug/L
98-06-6	Benzene, tert-butyl-	3.3	J			8.5	ug/L
4551-51-3	1H-Indene, octahydro-, cis-	3.2	J			8.6	ug/L
493-02-7	Naphthalene, decahydro-, trans-	4.2	J			9.53	ug/L
6682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethy	2.6	J			9.92	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C1610

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	RDL	MDL	Units
Client ID :	**SB-01-12-13**								
C1610-02	SB-01-12-13	SOIL	Naphthalene		1,500.000		390	14	ug/Kg
C1610-02	SB-01-12-13	SOIL	2-Methylnaphthalene		1,000.000		390	9.9	ug/Kg
C1610-02	SB-01-12-13	SOIL	Dimethylphthalate		220.000	JB	390	11	ug/Kg
C1610-02	SB-01-12-13	SOIL	Fluorene		71.000	J	390	15	ug/Kg
C1610-02	SB-01-12-13	SOIL	Phenanthrene		140.000	J	390	11	ug/Kg
C1610-02	SB-01-12-13	SOIL	Fluoranthene		42.000	J	390	7.9	ug/Kg
C1610-02	SB-01-12-13	SOIL	Pyrene		54.000	J	390	9.4	ug/Kg
C1610-02	SB-01-12-13	SOIL	bis(2-Ethylhexyl)phthalate		1,000.000		390	14	ug/Kg
C1610-02	SB-01-12-13	SOIL	Di-n-octyl phthalate		47.000	J	390	4.5	ug/Kg
			Total Svoc :		**4,074.00**				
C1610-02	SB-01-12-13	SOIL	1H-Indene, 2,3-dihydro-4-methyl-	*	1,500.000	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	Cyclohexane, pentyl-	*	2,100.000	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	trans-Decalin, 2-methyl-	*	3,200.000	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	Undecane, 2,6-dimethyl-	*	1,400.000	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	Undecane, 5-methyl-	*	3,800.000	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	unknown10.10	*	2,300.000	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	unknown10.14	*	3,800.000	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	unknown10.34	*	600.000	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	4-Amino-2,6-dimethyl-3-pyridyl 1-a	*	1,400.000	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	Benzene, 1,4-diethyl-2-methyl-	*	870.000	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	Benzene, 1-ethyl-2,4-dimethyl-	*	2,300.000	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	Benzene, 1-methyl-2-(1-methylethyl	*	2,000.000	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	Benzene, pentamethyl-	*	670.000	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	Hexadecane, 2,6,10,14-tetramethyl-	*	900.000	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	Naphthalene, 1,2,3,4-tetrahydro-	*	830.000	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	Naphthalene, 2,7-dimethyl-	*	810.000	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	Octane, 2,6-dimethyl-	*	600.000	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	Pentadecane, 2,6,10,14-tetramethyl	*	1,200.000	J	0	0	ug/Kg
C1610-02	SB-01-12-13	SOIL	Pentadecane, 2,6,10-trimethyl-	*	990.000	J	0	0	ug/Kg
			Total Tics :		**31,270.00**				
			Total Concentration:		**35,344.00**				
Client ID :	**SB-02-11-12**								
C1610-05	SB-02-11-12	SOIL	2,4-Dimethylphenol		500.000		390	22	ug/Kg
C1610-05	SB-02-11-12	SOIL	Naphthalene		990.000		390	14	ug/Kg
C1610-05	SB-02-11-12	SOIL	2-Methylnaphthalene		430.000		390	9.9	ug/Kg
C1610-05	SB-02-11-12	SOIL	Dimethylphthalate		370.000	JB	390	11	ug/Kg
C1610-05	SB-02-11-12	SOIL	Phenanthrene		100.000	J	390	11	ug/Kg
C1610-05	SB-02-11-12	SOIL	Fluoranthene		270.000	J	390	7.9	ug/Kg
C1610-05	SB-02-11-12	SOIL	Pyrene		250.000	J	390	9.4	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: C1610

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	RDL	MDL	Units
C1610-05	SB-02-11-12	SOIL	Butylbenzylphthalate		93.000	J	390	19	ug/Kg
C1610-05	SB-02-11-12	SOIL	Benzo(a)anthracene		140.000	J	390	19	ug/Kg
C1610-05	SB-02-11-12	SOIL	Chrysene		160.000	J	390	18	ug/Kg
C1610-05	SB-02-11-12	SOIL	bis(2-Ethylhexyl)phthalate		670.000		390	14	ug/Kg
C1610-05	SB-02-11-12	SOIL	Benzo(b)fluoranthene		230.000	J	390	13	ug/Kg
C1610-05	SB-02-11-12	SOIL	Benzo(k)fluoranthene		68.000	J	390	18	ug/Kg
C1610-05	SB-02-11-12	SOIL	Benzo(a)pyrene		170.000	J	390	8.5	ug/Kg
C1610-05	SB-02-11-12	SOIL	Indeno(1,2,3-cd)pyrene		110.000	J	390	13	ug/Kg
C1610-05	SB-02-11-12	SOIL	Benzo(g,h,i)perylene		130.000	J	390	16	ug/Kg
			Total Svoc :		**4,681.00**				
C1610-05	SB-02-11-12	SOIL	Cyclohexane, (4-methylpentyl)-	*	1,500.000	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	Cyclohexane, pentyl-	*	6,400.000	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	Cyclopentane, 1-ethyl-2-methyl-, c	*	840.000	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	Decane, 3,6-dimethyl-	*	14,000.000	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	Ethanone, 1-(2,4-dimethylphenyl)-	*	7,500.000	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	Naphthalene, 1,2,3,4-tetrahydro-	*	1,100.000	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	Naphthalene, decahydro-2-methyl-	*	9,600.000	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	Benzene, (1,1-dimethylpropyl)-	*	1,500.000	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	Benzene, 1,2,3,5-tetramethyl-	*	6,100.000	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	Benzene, 1,2,4,5-tetramethyl-	*	11,000.000	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	Benzene, 1-methyl-2-(1-methylethyl	*	6,400.000	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	Benzene, 1-methyl-3-(1-methylethyl	*	8,000.000	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	Benzene, 1-methyl-4-(1-methylpropy	*	940.000	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	Benzene, 2,4-diethyl-1-methyl-	*	2,300.000	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	Undecane, 2,6-dimethyl-	*	4,500.000	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	Undecane, 3-methyl-	*	1,100.000	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	Undecane, 4-methyl-	*	2,600.000	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	unknown10.80	*	810.000	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	unknown10.84	*	780.000	J	0	0	ug/Kg
C1610-05	SB-02-11-12	SOIL	1,5,6,7-Tetramethylbicyclo[3.2.0]h	*	1,900.000	J	0	0	ug/Kg
			Total Tics :		**88,870.00**				
			Total Concentration:		**93,551.00**				

Client ID : SB-03-11-12

C1610-09	SB-03-11-12	SOIL	2,4-Dimethylphenol		550.000		390	22	ug/Kg
C1610-09	SB-03-11-12	SOIL	Naphthalene		95.000	J	390	14	ug/Kg
C1610-09	SB-03-11-12	SOIL	Dimethylphthalate		300.000	JB	390	11	ug/Kg
C1610-09	SB-03-11-12	SOIL	Phenanthrene		53.000	J	390	11	ug/Kg
C1610-09	SB-03-11-12	SOIL	Fluoranthene		54.000	J	390	8.0	ug/Kg
C1610-09	SB-03-11-12	SOIL	Pyrene		49.000	J	390	9.5	ug/Kg
C1610-09	SB-03-11-12	SOIL	bis(2-Ethylhexyl)phthalate		440.000		390	14	ug/Kg
			Total Svoc :		**1,541.00**				
C1610-09	SB-03-11-12	SOIL	Cyclohexane, (4-methylpentyl)-	*	4,600.000	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: C1610

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	RDL	MDL	Units
C1610-09	SB-03-11-12	SOIL	Cyclohexane, 2-butyl-1,1,3-trimeth	*	1,600.000	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	Cyclohexane, pentyl-	*	11,000.000	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	Decane, 2,3,5-trimethyl-	*	3,100.000	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	2,6-Dimethyldecane	*	32,000.000	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	3-Undecene, 5-methyl-	*	2,700.000	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	Bacchotricuneatin c	*	1,200.000	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	Benzene, 1,4-diethyl-2-methyl-	*	7,400.000	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	Benzene, 1-methyl-2-(1-methylethyl	*	13,000.000	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	Benzene, 1-methyl-4-(1-methylpropy	*	3,800.000	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	Benzene, 2,4-diethyl-1-methyl-	*	2,000.000	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	Benzene, pentamethyl-	*	6,300.000	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	Tricyclo[3.3.1.1(3,7)]decane, 2-br	*	2,800.000	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	unknown10.10	*	17,000.000	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	unknown10.50	*	3,700.000	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	unknown10.59	*	2,400.000	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	unknown10.84	*	2,300.000	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	Heptadecane, 2,6,10,15-tetramethyl	*	24,000.000	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	Naphthalene, decahydro-2-methyl-	*	27,000.000	J	0	0	ug/Kg
C1610-09	SB-03-11-12	SOIL	Pentadecane, 2,6,10,14-tetramethyl	*	2,600.000	J	0	0	ug/Kg
			Total Tics :		**170,500.00**				
			Total Concentration:		**172,041.00**				

Client ID : SB-04-11-12

C1610-14	SB-04-11-12	SOIL	2,4-Dimethylphenol		1,100.000		400	23	ug/Kg
C1610-14	SB-04-11-12	SOIL	Naphthalene		1,200.000		400	14	ug/Kg
C1610-14	SB-04-11-12	SOIL	2-Methylnaphthalene		540.000		400	10	ug/Kg
C1610-14	SB-04-11-12	SOIL	Dimethylphthalate		400.000	JB	400	11	ug/Kg
C1610-14	SB-04-11-12	SOIL	Acenaphthylene		100.000	J	400	10	ug/Kg
C1610-14	SB-04-11-12	SOIL	Acenaphthene		310.000	J	400	11	ug/Kg
C1610-14	SB-04-11-12	SOIL	Dibenzofuran		140.000	J	400	16	ug/Kg
C1610-14	SB-04-11-12	SOIL	Fluorene		370.000	J	400	15	ug/Kg
C1610-14	SB-04-11-12	SOIL	Phenanthrene		1,600.000		400	11	ug/Kg
C1610-14	SB-04-11-12	SOIL	Anthracene		350.000	J	400	8.3	ug/Kg
C1610-14	SB-04-11-12	SOIL	Di-n-butylphthalate		160.000	J	400	32	ug/Kg
C1610-14	SB-04-11-12	SOIL	Fluoranthene		1,300.000		400	8.1	ug/Kg
C1610-14	SB-04-11-12	SOIL	Pyrene		1,400.000		400	9.7	ug/Kg
C1610-14	SB-04-11-12	SOIL	Butylbenzylphthalate		140.000	J	400	19	ug/Kg
C1610-14	SB-04-11-12	SOIL	Benzo(a)anthracene		480.000		400	19	ug/Kg
C1610-14	SB-04-11-12	SOIL	Chrysene		530.000		400	18	ug/Kg
C1610-14	SB-04-11-12	SOIL	bis(2-Ethylhexyl)phthalate		8,100.000	E	400	14	ug/Kg
C1610-14	SB-04-11-12	SOIL	Di-n-octyl phthalate		350.000	J	400	4.6	ug/Kg
C1610-14	SB-04-11-12	SOIL	Benzo(b)fluoranthene		520.000		400	13	ug/Kg
C1610-14	SB-04-11-12	SOIL	Benzo(k)fluoranthene		140.000	J	400	19	ug/Kg

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C1610

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	RDL	MDL	Units
C1610-14	SB-04-11-12	SOIL	Benzo(a)pyrene		420.000		400	8.8	ug/Kg
C1610-14	SB-04-11-12	SOIL	Indeno(1,2,3-cd)pyrene		240.000	J	400	14	ug/Kg
C1610-14	SB-04-11-12	SOIL	Dibenz(a,h)anthracene		69.000	J	400	12	ug/Kg
C1610-14	SB-04-11-12	SOIL	Benzo(g,h,i)perylene		270.000	J	400	16	ug/Kg
			Total Svoc :		**20,229.00**				
C1610-14	SB-04-11-12	SOIL	Cyclohexane, 1-ethyl-2-methyl-	*	2,400.000	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	Cyclohexane, hexyl-	*	1,600.000	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	Cyclohexane, pentyl-	*	3,600.000	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	Cyclohexane, propyl-	*	1,600.000	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	Cyclohexanepropanol-	*	2,100.000	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	Benzene, 1,2,3,4-tetramethyl-	*	7,300.000	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	Benzene, 1,2,4,5-tetramethyl-	*	6,600.000	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	Benzene, 1-ethyl-4-(1-methylethyl)	*	2,400.000	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	Benzene, 1-methyl-4-(1-methylpropy	*	5,500.000	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	Benzene, 2,4-diethyl-1-methyl-	*	2,700.000	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	Benzene, 4-ethyl-1,2-dimethyl-	*	2,100.000	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	2,6-Dimethyldecane	*	12,000.000	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	Octane, 2,6-dimethyl-	*	2,500.000	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	trans-Decalin, 2-methyl-	*	9,500.000	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	unknown10.11	*	6,800.000	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	unknown10.52	*	2,400.000	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	unknown8.74	*	1,600.000	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	unknown9.83	*	1,700.000	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	unknown9.93	*	13,000.000	J	0	0	ug/Kg
C1610-14	SB-04-11-12	SOIL	1-Octene, 3,4-dimethyl-	*	1,900.000	J	0	0	ug/Kg
			Total Tics :		**89,300.00**				
			Total Concentration:		**109,529.00**				

Client ID : SB-04-11-12DL

C1610-14DL	SB-04-11-12DL	SOIL	2,4-Dimethylphenol		900.000	JD	2000	110	ug/Kg
C1610-14DL	SB-04-11-12DL	SOIL	Naphthalene		1,500.000	JD	2000	70	ug/Kg
C1610-14DL	SB-04-11-12DL	SOIL	2-Methylnaphthalene		620.000	JD	2000	51	ug/Kg
C1610-14DL	SB-04-11-12DL	SOIL	Dimethylphthalate		380.000	JDB	2000	55	ug/Kg
C1610-14DL	SB-04-11-12DL	SOIL	Acenaphthene		290.000	JD	2000	57	ug/Kg
C1610-14DL	SB-04-11-12DL	SOIL	Fluorene		410.000	JD	2000	77	ug/Kg
C1610-14DL	SB-04-11-12DL	SOIL	Phenanthrene		1,500.000	JD	2000	55	ug/Kg
C1610-14DL	SB-04-11-12DL	SOIL	Anthracene		400.000	JD	2000	41	ug/Kg
C1610-14DL	SB-04-11-12DL	SOIL	Fluoranthene		960.000	JD	2000	41	ug/Kg
C1610-14DL	SB-04-11-12DL	SOIL	Pyrene		1,400.000	JD	2000	49	ug/Kg
C1610-14DL	SB-04-11-12DL	SOIL	Benzo(a)anthracene		430.000	JD	2000	97	ug/Kg
C1610-14DL	SB-04-11-12DL	SOIL	Chrysene		480.000	JD	2000	92	ug/Kg
C1610-14DL	SB-04-11-12DL	SOIL	bis(2-Ethylhexyl)phthalate		8,800.000	D	2000	72	ug/Kg
C1610-14DL	SB-04-11-12DL	SOIL	Di-n-octyl phthalate		310.000	JD	2000	23	ug/Kg

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Hit Summary Sheet
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SDG No.: C1610

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	RDL	MDL	Units
C1610-14DL	SB-04-11-12DL	SOIL	Benzo(b)fluoranthene		350.000	JD	2000	66	ug/Kg
C1610-14DL	SB-04-11-12DL	SOIL	Benzo(a)pyrene		420.000	JD	2000	44	ug/Kg
C1610-14DL	SB-04-11-12DL	SOIL	Benzo(g,h,i)perylene		290.000	JD	2000	82	ug/Kg
			Total Svoc :		**19,440.00**				
			Total Concentration:		**19,440.00**				
Client ID :	**SB-05-9-10**								
C1610-17	SB-05-9-10	SOIL	Dimethylphthalate		390.000	JB	420	12	ug/Kg
			Total Svoc :		**390.00**				
C1610-17	SB-05-9-10	SOIL	unknown5.61	*	2,000.000	J	0	0	ug/Kg
C1610-17	SB-05-9-10	SOIL	1-Docosanol, acetate	*	200.000	J	0	0	ug/Kg
C1610-17	SB-05-9-10	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	380.000	AB	0	0	ug/Kg
			Total Tics :		**2,580.00**				
			Total Concentration:		**2,970.00**				
Client ID :	**SB-06-10-11**								
C1610-20	SB-06-10-11	SOIL	Naphthalene		78.000	J	410	14	ug/Kg
C1610-20	SB-06-10-11	SOIL	Dimethylphthalate		300.000	JB	410	11	ug/Kg
C1610-20	SB-06-10-11	SOIL	Acenaphthene		58.000	J	410	12	ug/Kg
C1610-20	SB-06-10-11	SOIL	Dibenzofuran		57.000	J	410	16	ug/Kg
C1610-20	SB-06-10-11	SOIL	Fluorene		69.000	J	410	16	ug/Kg
C1610-20	SB-06-10-11	SOIL	Phenanthrene		980.000		410	11	ug/Kg
C1610-20	SB-06-10-11	SOIL	Anthracene		230.000	J	410	8.5	ug/Kg
C1610-20	SB-06-10-11	SOIL	Carbazole		92.000	J	410	9.1	ug/Kg
C1610-20	SB-06-10-11	SOIL	Di-n-butylphthalate		180.000	J	410	33	ug/Kg
C1610-20	SB-06-10-11	SOIL	Fluoranthene		1,100.000		410	8.3	ug/Kg
C1610-20	SB-06-10-11	SOIL	Pyrene		1,000.000		410	10	ug/Kg
C1610-20	SB-06-10-11	SOIL	Benzo(a)anthracene		470.000		410	20	ug/Kg
C1610-20	SB-06-10-11	SOIL	Chrysene		460.000		410	19	ug/Kg
C1610-20	SB-06-10-11	SOIL	bis(2-Ethylhexyl)phthalate		3,800.000	E	410	15	ug/Kg
C1610-20	SB-06-10-11	SOIL	Di-n-octyl phthalate		2,400.000		410	4.7	ug/Kg
C1610-20	SB-06-10-11	SOIL	Benzo(b)fluoranthene		590.000		410	14	ug/Kg
C1610-20	SB-06-10-11	SOIL	Benzo(k)fluoranthene		190.000	J	410	20	ug/Kg
C1610-20	SB-06-10-11	SOIL	Benzo(a)pyrene		440.000		410	9.0	ug/Kg
C1610-20	SB-06-10-11	SOIL	Indeno(1,2,3-cd)pyrene		230.000	J	410	14	ug/Kg
C1610-20	SB-06-10-11	SOIL	Dibenz(a,h)anthracene		77.000	J	410	12	ug/Kg
C1610-20	SB-06-10-11	SOIL	Benzo(g,h,i)perylene		330.000	J	410	17	ug/Kg
			Total Svoc :		**13,131.00**				
C1610-20	SB-06-10-11	SOIL	Cyclohexane, 1-ethyl-4-methyl-, ci	*	190.000	J	0	0	ug/Kg
C1610-20	SB-06-10-11	SOIL	Cyclohexane, 1-methyl-2-propyl-	*	210.000	J	0	0	ug/Kg
C1610-20	SB-06-10-11	SOIL	Cyclohexane, pentyl-	*	300.000	J	0	0	ug/Kg
C1610-20	SB-06-10-11	SOIL	1,2-Benzenedicarboxylic acid, decy	*	220.000	J	0	0	ug/Kg
C1610-20	SB-06-10-11	SOIL	1-Octanol, 2-butyl-	*	180.000	J	0	0	ug/Kg
C1610-20	SB-06-10-11	SOIL	2-Octene, 2,6-dimethyl-	*	300.000	J	0	0	ug/Kg

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Hit Summary Sheet
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SDG No.: C1610

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	RDL	MDL	Units
C1610-20	SB-06-10-11	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	340.000	AB	0	0	ug/Kg
C1610-20	SB-06-10-11	SOIL	Benzo[j]fluoranthene	*	350.000	J	0	0	ug/Kg
C1610-20	SB-06-10-11	SOIL	Dodecane, 2,7,10-trimethyl-	*	220.000	J	0	0	ug/Kg
C1610-20	SB-06-10-11	SOIL	Hexanedioic acid, bis(2-ethylhexyl	*	2,000.000	J	0	0	ug/Kg
C1610-20	SB-06-10-11	SOIL	Naphthalene, decahydro-, trans-	*	220.000	J	0	0	ug/Kg
C1610-20	SB-06-10-11	SOIL	Nonane, 3-methyl-	*	680.000	J	0	0	ug/Kg
C1610-20	SB-06-10-11	SOIL	Octane, 2,3-dimethyl-	*	230.000	J	0	0	ug/Kg
C1610-20	SB-06-10-11	SOIL	Undecane, 5,6-dimethyl-	*	370.000	J	0	0	ug/Kg
C1610-20	SB-06-10-11	SOIL	unknown12.13	*	190.000	JB	0	0	ug/Kg
C1610-20	SB-06-10-11	SOIL	unknown2.72	*	280.000	JB	0	0	ug/Kg
C1610-20	SB-06-10-11	SOIL	unknown3.80	*	300.000	JB	0	0	ug/Kg
C1610-20	SB-06-10-11	SOIL	unknown5.20	*	290.000	JB	0	0	ug/Kg
C1610-20	SB-06-10-11	SOIL	unknown5.34	*	310.000	JB	0	0	ug/Kg
			Total Tics :		**7,180.00**				
			Total Concentration:		**20,311.00**				
Client ID :	**SB-06-10-11DL**								
C1610-20DL	SB-06-10-11DL	SOIL	Dimethylphthalate		310.000	JDB	820	22	ug/Kg
C1610-20DL	SB-06-10-11DL	SOIL	Phenanthrene		940.000	D	820	22	ug/Kg
C1610-20DL	SB-06-10-11DL	SOIL	Anthracene		210.000	JD	820	17	ug/Kg
C1610-20DL	SB-06-10-11DL	SOIL	Di-n-butylphthalate		180.000	JD	820	65	ug/Kg
C1610-20DL	SB-06-10-11DL	SOIL	Fluoranthene		1,100.000	D	820	17	ug/Kg
C1610-20DL	SB-06-10-11DL	SOIL	Pyrene		890.000	D	820	20	ug/Kg
C1610-20DL	SB-06-10-11DL	SOIL	Benzo(a)anthracene		460.000	JD	820	40	ug/Kg
C1610-20DL	SB-06-10-11DL	SOIL	Chrysene		460.000	JD	820	38	ug/Kg
C1610-20DL	SB-06-10-11DL	SOIL	bis(2-Ethylhexyl)phthalate		3,700.000	D	820	29	ug/Kg
C1610-20DL	SB-06-10-11DL	SOIL	Di-n-octyl phthalate		2,300.000	D	820	9.5	ug/Kg
C1610-20DL	SB-06-10-11DL	SOIL	Benzo(b)fluoranthene		510.000	JD	820	27	ug/Kg
C1610-20DL	SB-06-10-11DL	SOIL	Benzo(k)fluoranthene		210.000	JD	820	39	ug/Kg
C1610-20DL	SB-06-10-11DL	SOIL	Benzo(a)pyrene		390.000	JD	820	18	ug/Kg
C1610-20DL	SB-06-10-11DL	SOIL	Indeno(1,2,3-cd)pyrene		200.000	JD	820	28	ug/Kg
C1610-20DL	SB-06-10-11DL	SOIL	Benzo(g,h,i)perylene		290.000	JD	820	34	ug/Kg
			Total Svoc :		**12,150.00**				
			Total Concentration:		**12,150.00**				
Client ID :	**DUP-1**								
C1610-01	DUP-1	WATER	Naphthalene		2.500	J	12	0.140	ug/L
			Total Svoc :		**2.50**				
C1610-01	DUP-1	WATER	Naphthalene, decahydro-	*	23.000	J	0	0	ug/L
C1610-01	DUP-1	WATER	unknown7.30	*	13.000	J	0	0	ug/L
C1610-01	DUP-1	WATER	unknown7.55	*	14.000	J	0	0	ug/L
C1610-01	DUP-1	WATER	1,3-Cyclopentadiene, 1,2,3,4-tetra	*	12.000	J	0	0	ug/L
C1610-01	DUP-1	WATER	1-Hexene, 3,5,5-trimethyl-	*	18.000	J	0	0	ug/L
C1610-01	DUP-1	WATER	Benzene, (2-methylpropyl)-	*	11.000	J	0	0	ug/L

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Hit Summary Sheet
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SDG No.: C1610

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
C1610-01	DUP-1	WATER	Benzene, 1,2,3,4-tetramethyl-	*	14.000	J	0	0	ug/L
C1610-01	DUP-1	WATER	Benzene, 1,2,3-trimethyl-	*	20.000	J	0	0	ug/L
C1610-01	DUP-1	WATER	Benzene, 1,3-diethyl-	*	24.000	J	0	0	ug/L
C1610-01	DUP-1	WATER	Benzene, 1,3-diethyl-5-methyl-	*	12.000	J	0	0	ug/L
C1610-01	DUP-1	WATER	Benzene, 1-ethyl-2,4-dimethyl-	*	11.000	J	0	0	ug/L
C1610-01	DUP-1	WATER	Benzene, 1-methyl-3-(1-methylethyl	*	13.000	J	0	0	ug/L
C1610-01	DUP-1	WATER	Benzene, 2-ethyl-1,4-dimethyl-	*	26.000	J	0	0	ug/L
C1610-01	DUP-1	WATER	Benzene, propyl-	*	15.000	J	0	0	ug/L
C1610-01	DUP-1	WATER	Bicyclo[3.1.1]heptane, 2,6,6-trime	*	17.000	J	0	0	ug/L
C1610-01	DUP-1	WATER	Cyclohexane, propyl-	*	25.000	J	0	0	ug/L
C1610-01	DUP-1	WATER	Cyclopentene, 1-methyl-	*	17.000	J	0	0	ug/L
C1610-01	DUP-1	WATER	Decane, 4-methyl-	*	30.000	J	0	0	ug/L
C1610-01	DUP-1	WATER	Heptane, 3-ethyl-2-methyl-	*	12.000	J	0	0	ug/L
			Total Tics :		**327.00**				
			Total Concentration:		**329.50**				
Client ID :	**PZ-1**								
C1610-08	PZ-1	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	5.600	AB	0	0	ug/L
C1610-08	PZ-1	WATER	Hexanedioic acid, bis(2-ethylhexyl	*	4.100	J	0	0	ug/L
C1610-08	PZ-1	WATER	unknown1.74	*	7.600	J	0	0	ug/L
C1610-08	PZ-1	WATER	unknown2.68	*	17.000	J	0	0	ug/L
			Total Tics :		**34.30**				
			Total Concentration:		**34.30**				
Client ID :	**SB-01-GW-13**								
C1610-03	SB-01-GW-13	WATER	2-Methylnaphthalene		9.800	J	11	0.350	ug/L
C1610-03	SB-01-GW-13	WATER	Dimethylphthalate		2.900	J	11	0.240	ug/L
			Total Svoc :		**12.70**				
C1610-03	SB-01-GW-13	WATER	Hexane, 3-ethyl-2,5-dimethyl-	*	22.000	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	Naphthalene, decahydro-, trans-	*	20.000	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	n-Hexadecanoic acid	*	26.000	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	Octadecanoic acid	*	27.000	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	Tetracyclo[3.3.1.1(1,8).0(2,4)]dec	*	38.000	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	Tris(1,3-dichloroisopropyl)phospha	*	28.000	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	unknown12.85	*	12.000	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	unknown6.23	*	16.000	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	3-Methyl-p-anisaldehyde	*	29.000	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	Benzene, (1-methylethyl)-	*	57.000	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	Benzene, 1,2,4,5-tetramethyl-	*	36.000	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	Benzene, 1,3-diethyl-	*	55.000	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	Benzene, 1,4-diethyl-	*	17.000	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	Benzene, propyl-	*	82.000	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	Benzoic acid, 2,5-dinitro-	*	18.000	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	Cyclohexane, (1-methylethyl)-	*	43.000	J	0	0	ug/L

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Hit Summary Sheet
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SDG No.: C1610

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
C1610-03	SB-01-GW-13	WATER	Cyclohexane, 1-ethyl-2-methyl-, tr	*	14.000	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	1,3,8-p-Menthatriene	*	17.000	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	1-Hexene, 3,3,5-trimethyl-	*	27.000	J	0	0	ug/L
C1610-03	SB-01-GW-13	WATER	1-Methylindan-2-one	*	15.000	J	0	0	ug/L
			Total Tics :		**599.00**				
			Total Concentration:		**611.70**				
Client ID :	**SB-01-GW-25**								
C1610-04	SB-01-GW-25	WATER	1-Adamantanol	*	4.800	J	0	0	ug/L
C1610-04	SB-01-GW-25	WATER	1-Butanone, 2-chloro-3-methyl-1-[4	*	6.000	J	0	0	ug/L
C1610-04	SB-01-GW-25	WATER	1H-Inden-1-one, 2,3-dihydro-3,3-di	*	5.100	J	0	0	ug/L
C1610-04	SB-01-GW-25	WATER	2-Cyclohexen-1-ol, 3-methyl-6-(1-m	*	4.400	J	0	0	ug/L
C1610-04	SB-01-GW-25	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	5.600	JB	0	0	ug/L
C1610-04	SB-01-GW-25	WATER	3-Bromobenzoic acid, octadecyl est	*	3.900	J	0	0	ug/L
C1610-04	SB-01-GW-25	WATER	Benzene,1-methyl-1,2-propadienyl-	*	4.700	J	0	0	ug/L
C1610-04	SB-01-GW-25	WATER	Benzoic acid, 3-fluoro-	*	4.800	J	0	0	ug/L
C1610-04	SB-01-GW-25	WATER	Ethanone, 1,1-(1,4-phenylene)bis-	*	21.000	J	0	0	ug/L
C1610-04	SB-01-GW-25	WATER	Hexadecanoic acid, 1,1-dimethyleth	*	3.500	J	0	0	ug/L
C1610-04	SB-01-GW-25	WATER	Hexanedioic acid, bis(2-ethylhexyl	*	4.900	J	0	0	ug/L
C1610-04	SB-01-GW-25	WATER	n-Hexadecanoic acid	*	6.200	J	0	0	ug/L
C1610-04	SB-01-GW-25	WATER	o-Ethyl o-3-methylcyclohexyl methy	*	3.800	J	0	0	ug/L
C1610-04	SB-01-GW-25	WATER	Tetradecanoic acid	*	7.300	J	0	0	ug/L
C1610-04	SB-01-GW-25	WATER	Tris(1,3-dichloroisopropyl)phospha	*	14.000	J	0	0	ug/L
C1610-04	SB-01-GW-25	WATER	unknown7.44	*	4.600	J	0	0	ug/L
C1610-04	SB-01-GW-25	WATER	unknown7.87	*	6.700	J	0	0	ug/L
C1610-04	SB-01-GW-25	WATER	unknown9.33	*	4.200	J	0	0	ug/L
C1610-04	SB-01-GW-25	WATER	unknown9.44	*	4.200	J	0	0	ug/L
C1610-04	SB-01-GW-25	WATER	unknown9.67	*	3.600	J	0	0	ug/L
			Total Tics :		**123.30**				
			Total Concentration:		**123.30**				
Client ID :	**SB-02-GW-13**								
C1610-06	SB-02-GW-13	WATER	Naphthalene		18.000		12	0.140	ug/L
C1610-06	SB-02-GW-13	WATER	2-Methylnaphthalene		4.000	J	12	0.380	ug/L
C1610-06	SB-02-GW-13	WATER	Dimethylphthalate		6.600	J	12	0.260	ug/L
C1610-06	SB-02-GW-13	WATER	Butylbenzylphthalate		2.800	J	12	0.220	ug/L
C1610-06	SB-02-GW-13	WATER	bis(2-Ethylhexyl)phthalate		6.100	J	12	0.190	ug/L
			Total Svoc :		**37.50**				
C1610-06	SB-02-GW-13	WATER	Heptane, 3-ethyl-2-methyl-	*	89.000	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	Naphthalene, decahydro-, trans-	*	82.000	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	Nonane, 4-methyl-	*	170.000	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	unknown4.80	*	150.000	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	unknown4.88	*	66.000	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	unknown5.46	*	55.000	J	0	0	ug/L

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Hit Summary Sheet
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SDG No.: C1610

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
C1610-06	SB-02-GW-13	WATER	unknown6.11	*	64.000	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	unknown6.60	*	85.000	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	unknown7.04	*	56.000	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	Cyclohexane, 1-ethyl-2-methyl-	*	83.000	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	Cyclohexane, propyl-	*	240.000	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	Decane, 2,5,6-trimethyl-	*	62.000	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	Decane, 2-methyl-	*	70.000	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	Decane, 4-methyl-	*	140.000	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	Benzene, 1,2-diethyl-	*	100.000	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	Benzene, 1,3,5-trimethyl-	*	160.000	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	Benzene, 1-ethyl-2,3-dimethyl-	*	67.000	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	Benzene, 1-ethyl-3,5-dimethyl-	*	67.000	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	Benzene, 1-ethyl-3-methyl-	*	51.000	J	0	0	ug/L
C1610-06	SB-02-GW-13	WATER	Benzene, propyl-	*	180.000	J	0	0	ug/L
			Total Tics :		**2,037.00**				
			Total Concentration:		**2,074.50**				
Client ID :	**SB-02-GW-13RE**								
C1610-06RE	SB-02-GW-13RE	WATER	Naphthalene		19.000		12	0.140	ug/L
C1610-06RE	SB-02-GW-13RE	WATER	2-Methylnaphthalene		4.100	J	12	0.380	ug/L
C1610-06RE	SB-02-GW-13RE	WATER	Dimethylphthalate		6.300	J	12	0.260	ug/L
C1610-06RE	SB-02-GW-13RE	WATER	Butylbenzylphthalate		2.600	J	12	0.220	ug/L
C1610-06RE	SB-02-GW-13RE	WATER	bis(2-Ethylhexyl)phthalate		5.700	J	12	0.190	ug/L
			Total Svoc :		**37.70**				
			Total Concentration:		**37.70**				
Client ID :	**SB-02-GW-25**								
C1610-07	SB-02-GW-25	WATER	Naphthalene		3.200	J	12	0.140	ug/L
C1610-07	SB-02-GW-25	WATER	Dimethylphthalate		2.200	J	12	0.270	ug/L
			Total Svoc :		**5.40**				
C1610-07	SB-02-GW-25	WATER	Naphthalene, decahydro-	*	20.000	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	Spiro[4.4]nona-1,3-diene, 1,2-dime	*	24.000	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	unknown4.63	*	22.000	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	unknown4.83	*	17.000	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	unknown5.24	*	14.000	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	unknown5.45	*	15.000	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	1H-Indene, 2,3-dihydro-1,1-dimethy	*	12.000	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	3a,6-Methano-3aH-indene, 2,3,4,5,6	*	13.000	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	3-Octene, 2,6-dimethyl-	*	17.000	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	Benzene, (2-methylpropyl)-	*	13.000	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	Benzene, 1,2,3,4-tetramethyl-	*	21.000	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	Benzene, 1,2,3,5-tetramethyl-	*	26.000	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	Benzene, 1,2,4,5-tetramethyl-	*	23.000	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	Benzene, 1,3,5-trimethyl-	*	27.000	J	0	0	ug/L

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SDG No.: C1610

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
C1610-07	SB-02-GW-25	WATER	Benzene, 1,3-diethyl-	*	20.000	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	Benzene, 1-ethyl-2,3-dimethyl-	*	24.000	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	Bicyclo[3.2.1]octane	*	21.000	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	Cyclohexane, 1-ethyl-2-methyl-	*	13.000	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	Cyclohexane, propyl-	*	37.000	J	0	0	ug/L
C1610-07	SB-02-GW-25	WATER	Cyclooctyl alcohol	*	25.000	J	0	0	ug/L
			Total Tics :		**404.00**				
			Total Concentration:		**409.40**				
Client ID :	**SB-03-GW-13**								
C1610-10	SB-03-GW-13	WATER	Dimethylphthalate		2.300	J	11	0.230	ug/L
C1610-10	SB-03-GW-13	WATER	bis(2-Ethylhexyl)phthalate		2.100	J	11	0.170	ug/L
			Total Svoc :		**4.40**				
C1610-10	SB-03-GW-13	WATER	1-Hexanol, 5-methyl-2-(1-methyleth	*	17.000	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	1H-Indene, 2,3-dihydro-1,1-dimethy	*	14.000	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	2-Octene, 2,6-dimethyl-	*	26.000	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	Benzene, (1-methylethyl)-	*	47.000	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	Benzene, (2-methylpropyl)-	*	16.000	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	Benzene, 1,3-diethyl-	*	25.000	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	Benzene, 1-ethyl-3-(1-methylethyl)	*	32.000	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	Benzene, 1-ethyl-3,5-dimethyl-	*	39.000	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	Benzene, 1-methyl-4-(1-methylpropy	*	17.000	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	Benzene, butyl-	*	16.000	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	Benzene, propyl-	*	29.000	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	Heptane, 3-ethyl-2-methyl-	*	21.000	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	Naphthalene, decahydro-, trans-	*	17.000	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	Undecane, 5,6-dimethyl-	*	33.000	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	unknown5.31	*	22.000	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	cis-1-Ethyl-3-methyl-cyclohexane	*	20.000	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	Cyclic octaatomic sulfur	*	76.000	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	Cyclohexane, 1,1-(1,4-butanediyl)	*	28.000	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	Cyclohexane, 1-methyl-2-propyl-	*	20.000	J	0	0	ug/L
C1610-10	SB-03-GW-13	WATER	Cyclohexane, propyl-	*	67.000	J	0	0	ug/L
			Total Tics :		**582.00**				
			Total Concentration:		**586.40**				
Client ID :	**SB-03-GW-25**								
C1610-11	SB-03-GW-25	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	5.900	AB	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	3-Eicosyne	*	6.700	J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	Benzene, (3-methyl-2-butenyl)-	*	4.500	J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	Benzene, 1,3-diethyl-	*	2.700	J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	Benzene, 1-ethyl-2,3-dimethyl-	*	3.600	J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	Benzene, 1-ethyl-3,5-dimethyl-	*	2.900	J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	Benzene, 4-ethyl-1,2-dimethyl-	*	3.800	J	0	0	ug/L

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Hit Summary Sheet
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SDG No.: C1610

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
C1610-11	SB-03-GW-25	WATER	Cyclohexane, 1-ethyl-4-methyl-, ci	*	6.000	J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	Cyclohexane, propyl-	*	7.900	J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	Hexadecanoic acid, 1,1-dimethyleth	*	2.900	J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	Naphthalene, 1,2,3,4-tetrahydro-1-	*	2.800	J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	Naphthalene, decahydro-	*	6.200	J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	Tris(1,3-dichloroisopropyl)phospha	*	3.400	J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	unknown11.56	*	3.400	J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	unknown11.63	*	5.700	J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	unknown3.77	*	9.100	J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	unknown4.12	*	4.700	J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	unknown4.40	*	3.300	J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	unknown4.63	*	3.300	J	0	0	ug/L
C1610-11	SB-03-GW-25	WATER	unknown5.59	*	3.900	J	0	0	ug/L
			Total Tics :		**92.70**				
			Total Concentration:		**92.70**				
Client ID :	**SB-04-GW-25**								
C1610-16	SB-04-GW-25	WATER	Dimethylphthalate		2.000	J	11	0.250	ug/L
			Total Svoc :		**2.00**				
C1610-16	SB-04-GW-25	WATER	Ethanone, 1-(2,4-dimethylphenyl)-	*	6.300	J	0	0	ug/L
C1610-16	SB-04-GW-25	WATER	Naphthalene, decahydro-, trans-	*	7.700	J	0	0	ug/L
C1610-16	SB-04-GW-25	WATER	Propylidencyclohexane	*	4.900	J	0	0	ug/L
C1610-16	SB-04-GW-25	WATER	unknown1.74	*	6.100	J	0	0	ug/L
C1610-16	SB-04-GW-25	WATER	unknown11.79	*	36.000	J	0	0	ug/L
C1610-16	SB-04-GW-25	WATER	unknown11.86	*	41.000	J	0	0	ug/L
C1610-16	SB-04-GW-25	WATER	unknown2.68	*	29.000	J	0	0	ug/L
C1610-16	SB-04-GW-25	WATER	unknown2.97	*	8.000	J	0	0	ug/L
C1610-16	SB-04-GW-25	WATER	unknown3.77	*	11.000	J	0	0	ug/L
C1610-16	SB-04-GW-25	WATER	unknown9.93	*	4.600	J	0	0	ug/L
C1610-16	SB-04-GW-25	WATER	1,4-Cyclohexadiene, 3-ethenyl-1,2-	*	11.000	J	0	0	ug/L
C1610-16	SB-04-GW-25	WATER	Benzene, 1,3,5-trimethyl-	*	6.200	J	0	0	ug/L
C1610-16	SB-04-GW-25	WATER	Benzene, 1,3-dimethyl-5-(1-methyle	*	5.200	J	0	0	ug/L
C1610-16	SB-04-GW-25	WATER	Benzene, 1,4-diethyl-	*	9.500	J	0	0	ug/L
C1610-16	SB-04-GW-25	WATER	Benzene, 1-ethyl-2,3-dimethyl-	*	4.400	J	0	0	ug/L
C1610-16	SB-04-GW-25	WATER	Benzene, 1-ethyl-3,5-dimethyl-	*	8.500	J	0	0	ug/L
C1610-16	SB-04-GW-25	WATER	Benzene, 1-methyl-3-(1-methylethyl	*	7.700	J	0	0	ug/L
C1610-16	SB-04-GW-25	WATER	Cyclohexane, 1,1,2,3-tetramethyl-	*	7.300	J	0	0	ug/L
C1610-16	SB-04-GW-25	WATER	Cyclohexane, 1-ethyl-2-methyl-	*	5.900	J	0	0	ug/L
C1610-16	SB-04-GW-25	WATER	Cyclopentane, 1-ethyl-1-methyl-	*	9.200	J	0	0	ug/L
			Total Tics :		**229.50**				
			Total Concentration:		**231.50**				
Client ID :	**SB-05-GW-13**								
C1610-18	SB-05-GW-13	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	16.000	AB	0	0	ug/L

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Hit Summary Sheet
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SDG No.: C1610

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
C1610-18	SB-05-GW-13	WATER	Hexanedioic acid, dioctyl ester	*	2.600	J	0	0	ug/L
C1610-18	SB-05-GW-13	WATER	unknown1.74	*	5.300	J	0	0	ug/L
C1610-18	SB-05-GW-13	WATER	unknown2.68	*	280.000	J	0	0	ug/L
			Total Tics :		**303.90**				
			Total Concentration:		**303.90**				
Client ID :	**SB-05-GW-25**								
C1610-19	SB-05-GW-25	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	5.500	AB	0	0	ug/L
C1610-19	SB-05-GW-25	WATER	unknown1.74	*	11.000	J	0	0	ug/L
C1610-19	SB-05-GW-25	WATER	unknown2.68	*	510.000	J	0	0	ug/L
			Total Tics :		**526.50**				
			Total Concentration:		**526.50**				
Client ID :	**SB-06-GW-13**								
C1610-21	SB-06-GW-13	WATER	1H-Indene, 2,3-dihydro-1,1-dimethy	*	15.000	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	Benzene, (1-methylethyl)-	*	16.000	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	Benzene, (1-methylpropyl)-	*	15.000	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	Benzene, (2-methyl-1-butenyl)-	*	15.000	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	Benzene, 1,2,4,5-tetramethyl-	*	29.000	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	Benzene, 1,2-diethyl-	*	7.500	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	Benzene, 1,3-diethyl-5-methyl-	*	7.300	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	Benzene, 1,4-diethyl-	*	12.000	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	Benzene, 1-ethyl-2,3-dimethyl-	*	16.000	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	Benzene, 1-ethyl-4-(1-methylethyl)	*	10.000	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	Benzene, propyl-	*	23.000	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	Benzoic acid, 4-propyl-, 4-cyanoph	*	7.400	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	Cyclohexane, 1-ethyl-2-methyl-, tr	*	11.000	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	Cyclohexane, propyl-	*	16.000	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	Heptane, 4-propyl-	*	8.400	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	Naphthalene, 1,2,3,5,8,8a-hexahydr	*	7.800	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	Octane, 2,6-dimethyl-	*	9.900	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	unknown12.69	*	10.000	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	unknown14.12	*	9.100	J	0	0	ug/L
C1610-21	SB-06-GW-13	WATER	unknown14.47	*	7.800	J	0	0	ug/L
			Total Tics :		**253.20**				
			Total Concentration:		**253.20**				
Client ID :	**SB-06-GW-25**								
C1610-22	SB-06-GW-25	WATER	1-Ethyl-3-methylcyclohexane (c,t)	*	5.200	J	0	0	ug/L
C1610-22	SB-06-GW-25	WATER	1H-Indene, 2,3-dihydro-4,7-dimethy	*	2.600	J	0	0	ug/L
C1610-22	SB-06-GW-25	WATER	1H-Indene, octahydro-, cis-	*	3.200	J	0	0	ug/L
C1610-22	SB-06-GW-25	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	3.800	AB	0	0	ug/L
C1610-22	SB-06-GW-25	WATER	Benzene, tert-butyl-	*	3.300	J	0	0	ug/L
C1610-22	SB-06-GW-25	WATER	Cyclohexane, propyl-	*	5.200	J	0	0	ug/L
C1610-22	SB-06-GW-25	WATER	Naphthalene, decahydro-, trans-	*	4.200	J	0	0	ug/L

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

ANALYTICAL RESULTS
SUMMARY

PROJECT NAME : 02-66-384 FORMER MAJESTIC CLEANERS

MALCOLM PIRNIE, INC.
855 Route 146, Suite 210

Clifton Park , NY - 12065
Phone No: 5182507300

ORDER ID : **C1640**
ATTENTION : **Stefan Bagnato**

ACCREDITED IN ACCORDANCE WITH nelac
LABORATORY ACCREDITATION BUREAU ACCREDITED ISO/IEC 17025
DoD ELAP

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
PZ-3	C1640-01	8260B	8270C				
PZ-X	C1640-02	8260B	8270C				
PZ-5	C1640-03	8260B	8270C				
PZ-6	C1640-06	8260B	8270C				
SB-07-10-11	C1640-07	8260B	8270C				Chemtech - SOP
SB-07-GW-13	C1640-08	8260B	8270C				
SB-07-GW-25	C1640-09	8260B	8270C				
SB-08-10-11	C1640-10	8260B	8270C				
SB-08-GW-13	C1640-11	8260B	8270C				
SB-08-GW-25	C1640-12	8260B	8270C				
SB-09-9-10	C1640-13	8260B	8270C				Chemtech - SOP
SB-09-GW-13	C1640-14	8260B	8270C				
SB-09-GW-25	C1640-15	8260B	8270C				
SB-10-10-11	C1640-16	8260B	8270C				Chemtech - SOP
SB-10-GW-13	C1640-17	8260B	8270C				
SB-10-GW-25	C1640-18	8260B	8270C				
PZ-4R	C1640-19	8260B	8270C				
TRIPBLANK	C1640-20	8260B					
SB-08-10-11	C1640-21	8260B	8270C				Chemtech - SOP

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIa

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
C1640-07	SOIL	03/24/11	03/25/11	03/25/11	04/04/11
C1640-13	SOIL	03/24/11	03/25/11	03/25/11	04/04/11
C1640-16	SOIL	03/24/11	03/25/11	03/25/11	04/02/11
C1640-21	SOIL	03/24/11	03/25/11	03/28/11	04/06/11
C1640-01	WATER	03/23/11	03/25/11	03/28/11	04/06/11
C1640-02	WATER	03/23/11	03/25/11	03/28/11	04/06/11
C1640-03	WATER	03/24/11	03/25/11	03/28/11	04/06/11
C1640-06	WATER	03/24/11	03/25/11	03/28/11	04/06/11
C1640-08	WATER	03/24/11	03/25/11	03/28/11	04/06/11
C1640-09	WATER	03/24/11	03/25/11	03/28/11	04/06/11
C1640-11	WATER	03/24/11	03/25/11	03/28/11	04/06/11
C1640-12	WATER	03/24/11	03/25/11	03/28/11	04/06/11
C1640-14	WATER	03/24/11	03/25/11	03/28/11	04/06/11
C1640-15	WATER	03/24/11	03/25/11	03/28/11	04/06/11
C1640-17	WATER	03/24/11	03/25/11	03/28/11	04/06/11
C1640-18	WATER	03/24/11	03/25/11	03/28/11	04/06/11
C1640-19	WATER	03/24/11	03/25/11	03/28/11	04/06/11

* Details For Test :SVOC-TCL BNA -20

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
C1640-07	SOIL	03/24/11	03/25/11		03/28/11
C1640-13	SOIL	03/24/11	03/25/11		03/28/11
C1640-16	SOIL	03/24/11	03/25/11		03/30/11
C1640-21	SOIL	03/24/11	03/25/11		03/28/11
C1640-01	WATER	03/23/11	03/25/11		03/25/11
C1640-02	WATER	03/23/11	03/25/11		03/25/11
C1640-03	WATER	03/24/11	03/25/11		03/29/11
C1640-06	WATER	03/24/11	03/25/11		03/25/11
C1640-08	WATER	03/24/11	03/25/11		03/30/11
C1640-09	WATER	03/24/11	03/25/11		03/30/11
C1640-11	WATER	03/24/11	03/25/11		03/30/11
C1640-12	WATER	03/24/11	03/25/11		03/30/11
C1640-14	WATER	03/24/11	03/25/11		03/30/11
C1640-15	WATER	03/24/11	03/25/11		03/30/11
C1640-17	WATER	03/24/11	03/25/11		03/30/11
C1640-18	WATER	03/24/11	03/25/11		03/30/11
C1640-19	WATER	03/24/11	03/25/11		03/29/11
C1640-20	WATER	03/24/11	03/25/11		03/29/11

* Details For Test :VOC-TCLVOA-10

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY
MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
C1640-01	Water	8260B	5030		
C1640-02	Water	8260B	5030		
C1640-03	Water	8260B	5030		
C1640-04	Water	8260B	5030		
C1640-05	Water	8260B	5030		
C1640-06	Water	8260B	5030		
C1640-07	Solid	8260B	5035		
C1640-08	Water	8260B	5030		
C1640-09	Water	8260B	5030		
C1640-10	Water	8260B	5030		
C1640-11	Water	8260B	5030		
C1640-12	Water	8260B	5030		
C1640-13	Solid	8260B	5035		
C1640-14	Water	8260B	5030		
C1640-15	Water	8260B	5030		
C1640-16	Solid	8260B	5035		
C1640-17	Water	8260B	5030		
C1640-18	Water	8260B	5030		
C1640-19	Water	8260B	5030		
C1640-20	Water	8260B	5030		
C1640-21	Solid	8260B	5035		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY
MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
C1640-01	Water	8270C	3510C		
C1640-02	Water	8270C	3510C		
C1640-03	Water	8270C	3510C		
C1640-04	Water	8270C	3510C		
C1640-05	Water	8270C	3510C		
C1640-06	Water	8270C	3510C		
C1640-07	Solid	8270C	3541		
C1640-08	Water	8270C	3510C		
C1640-09	Water	8270C	3510C		
C1640-10	Water	8270C	3510C		
C1640-11	Water	8270C	3510C		
C1640-12	Water	8270C	3510C		
C1640-13	Solid	8270C	3541		
C1640-14	Water	8270C	3510C		
C1640-15	Water	8270C	3510C		
C1640-16	Solid	8270C	3541		
C1640-17	Water	8270C	3510C		
C1640-18	Water	8270C	3510C		
C1640-19	Water	8270C	3510C		
C1640-21	Solid	8270C	3541		

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Cover Page

Order ID : C1640

Project ID : 02-66-384 Former Majestic cleaners

Client : Malcolm Pirnie, Inc.

Lab Sample Number	Client Sample Number
C1640-01	PZ-3
C1640-02	PZ-X
C1640-03	PZ-5
C1640-04	C1640-03MS
C1640-05	C1460-03MSD
C1640-06	PZ-6
C1640-07	SB-07-10-11
C1640-08	SB-07-GW-13
C1640-09	SB-07-GW-25
C1640-11	SB-08-GW-13
C1640-12	SB-08-GW-25
C1640-13	SB-09-9-10
C1640-14	SB-09-GW-13
C1640-15	SB-09-GW-25
C1640-16	SB-10-10-11
C1640-17	SB-10-GW-13
C1640-18	SB-10-GW-25
C1640-19	PZ-4R
C1640-20	TRIPBLANK
C1640-21	SB-08-10-11

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

CHEMTECH
CHAIN OF CUSTODY RECORD

B101045

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. C1640
QUOTE NO.
COC Number 084892

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: MALCOLM PIRNIE, INC.
ADDRESS: 855 ROUTE 146, SUITE 210
CITY: CLIFTON PARK STATE: NY ZIP: 12065
ATTENTION: STEFAN BAGNATO
PHONE: 518-250-7300 FAX: 518-250-7301

CLIENT PROJECT INFORMATION

PROJECT NAME: MAJESTIC CLEANERS
PROJECT NO.: 0266384 LOCATION: BROOKLYN, NY
PROJECT MANAGER: BRUCE NELSON
e-mail: bruce.nelson@arcadis-us.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: MPI PO#: 0266384
ADDRESS:
CITY: WHITE PLAINS STATE: NY ZIP:
ATTENTION: ACCOUNTS RECEIVABLE PHONE:

DATA TURNAROUND INFORMATION

FAX: _____ DAYS *
HARD COPY: STD DAYS *
EDD: STD DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☒ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD FORMAT _____

ANALYSIS

1 TCL VOCs 2 TCL SVOCs 8260 8270 3 4 5 6 7 8 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES A/E 1	PRESERVATIVES E 2	3	4	5	6	7	8	9	COMMENTS
1.	PZ-3	GW		X	3/23/11	0910	3	X	X								
2.	PZ-X	GW		X	3/23/11	1120	3	X	X								
3, 4, 5	PZ-5 + MS/MSD	GW		X	3/24/11	1020	9	X	X								
4. 6	PZ-6	GW		X	3/24/11	1205	3	X	X								
5. 7	SB-07-10-11	S		X	3/24/11	0855	2	X	X								
6. 8	SB-07-GW-13	GW		X	3/24/11	0910	3	X	X								
7. 9	SB-07-GW-25	GW		X	3/24/11	0920	3	X	X								
8. 10	SB-08-10-11	GW		X	3/24/11	1015	2	X	X								
9. 11	SB-08-GW-13	GW		X	3/24/11	1025	3	X	X								
10. 12	SB-08-GW-25	GW		X	3/24/11	1035	3	X	X								

← Specify Preservatives
A - HCl B - HNO_3
C - H_2SO_4 D - NaOH
E - ICE F - Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY:
1. Stu Bent	3/24/11 1400	1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY:
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY:
3. Fed Ex	3-25-11 9:05	3.

Conditions of bottles or coolers at receipt: ☑ Compliant ☐ Non Compliant
Cooler Temp. 4°C
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:
Ice in Cooler?:

Page 1 of 2

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT
Shipment Complete: ☑ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
CHAIN OF CUSTODY RECORD

B1103046

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. C1640
COC Number 085786

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Malcolm Pirnie Inc.
ADDRESS: 855 Route 146, suite 210
CITY: Clifton Park STATE: NY ZIP: 12065
ATTENTION: Stefan Bagnato
PHONE: 518-250-7300 FAX: 518-290-7301

CLIENT PROJECT INFORMATION

PROJECT NAME: Majestic Cleaners
PROJECT NO.: 0266384 LOCATION: Brooklyn, NY
PROJECT MANAGER: Bruce Nelson
e-mail: bruce.nelson@accedis-us.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: MPI PO#: 0266304
ADDRESS:
CITY: White Plains STATE: NY ZIP:
ATTENTION: accounts recievable PHONE:

DATA TURNAROUND INFORMATION

FAX: _____ DAYS *
HARD COPY: STD DAYS *
EDD: STD DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☒ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD FORMAT _____

ANALYSIS

1 TCL VOCs 8260
2 TCL SVOC 8270
3
4
5
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1 (A/C)	PRESERVATIVES 2 (E)	3	4	5	6	7	8	9	COMMENTS
1. 13	SB-09-9-10	S		X	~~3/24/11~~	1105	2	X	X								
2. 14	SB-09-GW-13	GW		X	3/24/11	1115	3	X	X								
3. 15	SB-09-GW-25	GW		X	3/24/11	1125	3	X	X								
4. 16	SB-10-10-11	S		X	3/24/11	1200	2	X	X								
5. 17	SB-10-GW-13	GW		X	3/24/11	1210	3	X	X								
6. 18	SB-10-GW-25	GW		X	3/24/11	1220	3	X	X								
7. 19	PZ-4R	GW		X	3/24/11	1335	3	X	X								
8.																	
9.																	
10.																	

PRESERVATIVES: A/C = 1, E = 2

← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1. Stu Bat	3/24/11 1400	1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3. FedEx	3-25-11 9:05	3.

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
Cooler Temp. 4°C
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:
Ice in Cooler?: ✓

Page 2 of 2

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

From: Kurt Hummler
Sent: Thursday, April 14, 2011 4:48 PM
To: Bagnato, Stefan (stefan.bagnato@arcadis-us.com)
Subject: FW: Majestic

Hi Stefan,

Just some housekeeping FYI:

Sample SB-08-10-11 was received as a soil sample. As a result it was analyzed and reported as a soil
sample and not water as indicated on the chain of custody.

Regards,

Kurt

From: Kurt Hummler
Sent: Thursday, March 24, 2011 11:00 AM
To: Snehal Mehta (Snehal@chemtech.net)
Subject: FW: Majestic

From: Bagnato, Stefan [mailto:Stefan.Bagnato@arcadis-us.com]
Sent: Wednesday, March 23, 2011 7:14 PM
To: Kurt Hummler
Subject: RE: Majestic

Hi Kurt-
1. Sorry, yes that should have been on the COC, and should be analyzed for VOCs.
2. SB-04-11-12.
3. Correct, we couldn't get enough volume.
4. Matrix should be soil.
5. Please assume those unlabeled vials are SB-01-GW-13.

Thanks for keeping us honest.
-Stefan

From: Kurt Hummler [Kurt@chemtech.net]
Sent: Wednesday, March 23, 2011 7:32 PM
To: Bagnato, Stefan
Subject: Majestic
Hi Stefan,

Please note the following in reference to the samples received today:

1. A trip blank sample was received but not listed on the chain of custody. Is the analysis of the
trip blank required?
2. Sample collected on 3/22/11 at 14:25 has a label written as “SB-4”. The chain of custody has
“SB-04-11-12”. Which is correct?
3. For SB-04-GW-13 a 1 Liter Amber for SVOC was not received.
4. The matrix for sample SB-06-10-11 is Soil, but the chain of custody indicates “GW”.
5. SB-01-GW-13 - 2 of 2 VOC vials where not received but there are 2 vials without any IDs on the
vials.

Thanks,

Kurt

Kurt Hummler
Direct Phone: (908) 728-3143
Office Phone: (908) 789 8900 ext. 3143
Fax: (908) 789 8922
www.chemtech.net
==========

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CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: 02-66-384 Former Majestic cleaners
Project # N/A
Chemtech Project # C1640

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 3/25/11.
17 Water samples were received on 3/25/11.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20 and TCL Volatiles+10. This data package contains results for TCL Volatiles+10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_E were done using GC column RTX-VMS which is 60 meters, 0.25 mm id, 1.40 um df, Zebron. #ZB-624. The Trap was supplied by OI Analytical, OI #130107 Trap , OI Eclipse 4660 Concentrator.The analysis performed on instrument MSVOA_F were done using GC column RTX-VMS, which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator.The analysis performed on instrument MSVOA_K were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI 4560 Concentrator.
The analysis and purge of TCL Volatiles + 10 was based on method 8260/5030/5035.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for SB-08-10-11 and SB-10-10-11. Samples were re-analyzed.
The Internal Standards Areas met the acceptable requirements except for SB-08-10-11. This sample was re-analyzed.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds except for Bromomethane, Chloroethane and Trichlorofluoromethane.
The MSD recoveries met the acceptable requirements except for Bromomethane, Chloroethane and Trichlorofluoromethane.
The RPD recoveries met criteria except for Acetone, 2-Butanone and Bromomethane.
The Blank Spike met requirements for all samples except for Carbon Tetrachloride in File ID: VE021464.D
The Blank analysis did not indicate the presence of lab contamination.
The Tuning criteria met requirements.

The %RSD is greater than 15% in Initial Calibration (Method 82F032411W.M) for Bromomethane, Chloroethane, Acetone, Carbon Disulfide, Methyl Acetate, Methylene Chloride, 2-Butanone, 4-Methyl-2-Pentanone, Tetrachloroethene, m/p-Xylenes, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dibromo-3-Chloropropane and 1,2,4-Trichlorobenzene. Trichlorofluoromethane, Tetrachloroethene, Isopropylbenzene and 1,2-Dibromo-3-Chloropropane in (Method 82F032911W.M) and Dichlorodifluoromethane in (Method 82K032511S.M). Linear regression was performed for these compounds and the Coef of det(r^2) is greater than 0.99.
The Continuing Calibration File ID: VE021444.D met the requirements except for Acetone.
The Continuing Calibration File ID:VF026101.D met the requirements except for 4-Methyl-2-Pentanone, 2-Hexanone, Isopropylbenzene and 1,1,2,2-Tetrachloroethane.

E. Additional Comments:

Samples SB-10-10-11, SB-10-GW-13 and SB-08-10-11 were diluted due to high concentrations.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: 02-66-384 Former Majestic cleaners
Project # N/A
Chemtech Project # C1640

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 3/25/11.
17 Water samples were received on 3/25/11.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20, TCL Volatiles + 10, and TCL Volatiles+10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_E using GC Column RTX-5 SILMS which is 20 meters, 0.18 mm ID, 0.36 um df, Catalog # 42704.The samples were analyzed on instrument BNA_F using GC Column RTX-5 SILMS which is 20 meters, 0.18 mm ID, 0.36 um df, Catalog # 42704.
The analysis of TCL semi Volatiles was based on method 8270 and extraction was done based on method 3541/3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for SB-10-10-11MSD, SB-10-GW-13, SB-10-GW-13RE and SB-08-10-11.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds except for Benzaldehyde, 4-Chloroaniline and Isophorone.
The MSD recoveries met the acceptable requirements except for Benzaldehyde and Isophorone.
The RPD recoveries met criteria except for Benzaldehyde, 4-Chloroaniline, 3-Nitroaniline, Hexachloroethane, Hexachlorocyclopentadiene, 2,4-Dinitrophenol, Phenanthrene, Pyrene, Butylbenzylphthalate, Benzo(a)anthracene, bis(2-Ethylhexyl)phthalate, 2-Methylphenol and Benzo(b)fluoranthene.
The Blank Spike File ID: BF044420.D met requirements for all samples except for 4-Chloroaniline.
The Blank analysis File ID: BF044419.D and BF044423.D indicated presence of Dimethylphthalate (290%, 140%) due to possible lab contamination.

The %RSD is greater than 15% in Initial Calibration (Method BF040111.M) for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol. Linear regression was performed for these compounds and the Coef of det(r^2) is greater than 0.99.
The Countinuing Calibration File ID:BF044456.D met the requirements except for Benzaldehyde and Caprolactam; in File ID BF044523 Benzaldehyde and 2,4-Dinitrophenol. In File ID BF044497.D and BF044542 Benzaldehyde did not meet the requirement.
The Tuning criteria met requirements.
Sample SB-08-10-11 was diluted due to bad matrix.

E. Additional Comments:

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/23/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-3	SDG No.:	C1640
Lab Sample ID:	C1640-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026110.D	1		03/25/11	VF032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/23/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-3	SDG No.:	C1640
Lab Sample ID:	C1640-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026110.D	1		03/25/11	VF032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	3.1		0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.5		66 - 150		93%	SPK: 50
1868-53-7	Dibromofluoromethane	47		76 - 130		94%	SPK: 50
2037-26-5	Toluene-d8	42.6		78 - 121		85%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7		70 - 131		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	2939710	3.2				
540-36-3	1,4-Difluorobenzene	5086210	3.81				
3114-55-4	Chlorobenzene-d5	4453680	7.15				
3855-82-1	1,4-Dichlorobenzene-d4	2522140	9.02				
TENTITIVE IDENTIFIED COMPOUNDS							
103-65-1	n-propylbenzene	0.95	J			8.32	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/23/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-3	SDG No.:	C1640
Lab Sample ID:	C1640-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026110.D	1		03/25/11	VF032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
108-67-8	1,3,5-Trimethylbenzene	1.8	J			8.48	ug/L
106-43-4	4-Chlorotoluene	1.6	J			8.54	ug/L
98-06-6	tert-Butylbenzene	2.0	J			8.7	ug/L
95-63-6	1,2,4-Trimethylbenzene	1.4	J			8.75	ug/L
135-98-8	sec-Butylbenzene	0.99	J			8.83	ug/L
99-87-6	p-Isopropyltoluene	1.2	J			8.94	ug/L
104-51-8	n-Butylbenzene	1.2	J			9.23	ug/L
87-68-3	Hexachlorobutadiene	3.1	J			10.3	ug/L
91-20-3	Naphthalene	3.6	J			10.53	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.5	J			10.65	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/23/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-X	SDG No.:	C1640
Lab Sample ID:	C1640-02	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026111.D	1		03/25/11	VF032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/23/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-X	SDG No.:	C1640
Lab Sample ID:	C1640-02	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026111.D	1		03/25/11	VF032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.2		0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.6		66 - 150		95%	SPK: 50
1868-53-7	Dibromofluoromethane	57.6		76 - 130		115%	SPK: 50
2037-26-5	Toluene-d8	51.5		78 - 121		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.8		70 - 131		114%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	2696040	3.2				
540-36-3	1,4-Difluorobenzene	4283120	3.81				
3114-55-4	Chlorobenzene-d5	4481510	7.15				
3855-82-1	1,4-Dichlorobenzene-d4	2507510	9.02				
TENTITIVE IDENTIFIED COMPOUNDS							
103-65-1	n-propylbenzene	0.81	J			8.32	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/23/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-X	SDG No.:	C1640
Lab Sample ID:	C1640-02	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026111.D	1		03/25/11	VF032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
108-67-8	1,3,5-Trimethylbenzene	1.7	J			8.48	ug/L
106-43-4	4-Chlorotoluene	1.6	J			8.55	ug/L
98-06-6	tert-Butylbenzene	1.8	J			8.7	ug/L
95-63-6	1,2,4-Trimethylbenzene	1.3	J			8.76	ug/L
135-98-8	sec-Butylbenzene	0.69	J			8.83	ug/L
99-87-6	p-Isopropyltoluene	0.91	J			8.94	ug/L
104-51-8	n-Butylbenzene	0.71	J			9.23	ug/L
87-68-3	Hexachlorobutadiene	0.61	J			10.3	ug/L
91-20-3	Naphthalene	2.6	J			10.53	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.82	J			10.66	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-5	SDG No.:	C1640
Lab Sample ID:	C1640-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026221.D	1		03/29/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	0.7	J	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-5	SDG No.:	C1640
Lab Sample ID:	C1640-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026221.D	1		03/29/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	55.6	66 - 150	111%	SPK: 50
1868-53-7	Dibromofluoromethane	55.5	76 - 130	111%	SPK: 50
2037-26-5	Toluene-d8	49.2	78 - 121	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1	70 - 131	98%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	1618480	3.19
540-36-3	1,4-Difluorobenzene	3132290	3.8
3114-55-4	Chlorobenzene-d5	3162220	7.14
3855-82-1	1,4-Dichlorobenzene-d4	1716420	9.01

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-5	SDG No.:	C1640
Lab Sample ID:	C1640-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026221.D	1		03/29/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-6	SDG No.:	C1640
Lab Sample ID:	C1640-06	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026112.D	1		03/25/11	VF032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-6	SDG No.:	C1640
Lab Sample ID:	C1640-06	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026112.D	1		03/25/11	VF032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.2		0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.3		66 - 150		107%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		76 - 130		107%	SPK: 50
2037-26-5	Toluene-d8	47.3		78 - 121		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		70 - 131		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	2732290	3.2				
540-36-3	1,4-Difluorobenzene	4853180	3.8				
3114-55-4	Chlorobenzene-d5	4310350	7.14				
3855-82-1	1,4-Dichlorobenzene-d4	2419090	9.02				
TENTITIVE IDENTIFIED COMPOUNDS							
103-65-1	n-propylbenzene	0.80	J			8.32	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-6	SDG No.:	C1640
Lab Sample ID:	C1640-06	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026112.D	1		03/25/11	VF032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
108-67-8	1,3,5-Trimethylbenzene	1.7	J			8.48	ug/L
106-43-4	4-Chlorotoluene	1.6	J			8.55	ug/L
98-06-6	tert-Butylbenzene	1.8	J			8.71	ug/L
95-63-6	1,2,4-Trimethylbenzene	1.3	J			8.76	ug/L
135-98-8	sec-Butylbenzene	0.65	J			8.83	ug/L
99-87-6	p-Isopropyltoluene	0.88	J			8.94	ug/L
104-51-8	n-Butylbenzene	0.66	J			9.23	ug/L
91-20-3	Naphthalene	2.6	J			10.53	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.65	J			10.65	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-07-10-11	SDG No.:	C1640
Lab Sample ID:	C1640-07	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	27
Sample Wt/Vol:	4.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK044009.D	1		03/28/11	VK032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	6.9	U	0.89	3.45	6.9	ug/Kg
74-87-3	Chloromethane	6.9	U	1.2	3.45	6.9	ug/Kg
75-01-4	Vinyl Chloride	6.9	U	1.7	3.45	6.9	ug/Kg
74-83-9	Bromomethane	6.9	U	3.4	3.45	6.9	ug/Kg
75-00-3	Chloroethane	6.9	U	1.9	3.45	6.9	ug/Kg
75-69-4	Trichlorofluoromethane	6.9	U	1.8	3.45	6.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.9	U	1.8	3.45	6.9	ug/Kg
75-35-4	1,1-Dichloroethene	6.9	U	2	3.45	6.9	ug/Kg
67-64-1	Acetone	31	J	4.2	17	34	ug/Kg
75-15-0	Carbon Disulfide	6.9	U	1.5	3.45	6.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.9	U	1.3	3.45	6.9	ug/Kg
79-20-9	Methyl Acetate	6.9	U	2.1	3.45	6.9	ug/Kg
75-09-2	Methylene Chloride	6.9	U	2	3.45	6.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.9	U	0.95	3.45	6.9	ug/Kg
75-34-3	1,1-Dichloroethane	6.9	U	1.3	3.45	6.9	ug/Kg
110-82-7	Cyclohexane	6.9	U	1.4	3.45	6.9	ug/Kg
78-93-3	2-Butanone	34	U	4.3	17	34	ug/Kg
56-23-5	Carbon Tetrachloride	6.9	U	1.4	3.45	6.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6.9	U	1.2	3.45	6.9	ug/Kg
67-66-3	Chloroform	6.9	U	1	3.45	6.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	6.9	U	1.2	3.45	6.9	ug/Kg
108-87-2	Methylcyclohexane	6.9	U	1.5	3.45	6.9	ug/Kg
71-43-2	Benzene	6.9	U	0.52	3.45	6.9	ug/Kg
107-06-2	1,2-Dichloroethane	6.9	U	0.88	3.45	6.9	ug/Kg
79-01-6	Trichloroethene	6.9	U	1.2	3.45	6.9	ug/Kg
78-87-5	1,2-Dichloropropane	6.9	U	0.36	3.45	6.9	ug/Kg
75-27-4	Bromodichloromethane	6.9	U	0.85	3.45	6.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	34	U	4	17	34	ug/Kg
108-88-3	Toluene	6.9	U	0.88	3.45	6.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.9	U	1.1	3.45	6.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.9	U	0.99	3.45	6.9	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-07-10-11	SDG No.:	C1640
Lab Sample ID:	C1640-07	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	27
Sample Wt/Vol:	4.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK044009.D	1		03/28/11	VK032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	6.9	U	1.2	3.45	6.9	ug/Kg
591-78-6	2-Hexanone	34	U	5.4	17	34	ug/Kg
124-48-1	Dibromochloromethane	6.9	U	0.74	3.45	6.9	ug/Kg
106-93-4	1,2-Dibromoethane	6.9	U	0.88	3.45	6.9	ug/Kg
127-18-4	Tetrachloroethene	120		1.4	3.45	6.9	ug/Kg
108-90-7	Chlorobenzene	6.9	U	0.69	3.45	6.9	ug/Kg
100-41-4	Ethyl Benzene	6.9	U	0.85	3.45	6.9	ug/Kg
179601-23-1	m/p-Xylenes	14	U	0.99	7	14	ug/Kg
95-47-6	o-Xylene	6.9	U	0.94	3.45	6.9	ug/Kg
100-42-5	Styrene	6.9	U	0.62	3.45	6.9	ug/Kg
75-25-2	Bromoform	6.9	U	1	3.45	6.9	ug/Kg
98-82-8	Isopropylbenzene	6.9	U	0.66	3.45	6.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.9	U	0.63	3.45	6.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.9	U	0.51	3.45	6.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.9	U	0.56	3.45	6.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.9	U	0.85	3.45	6.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.9	U	1.2	3.45	6.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.9	U	0.96	3.45	6.9	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.6		55 - 158		93%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		53 - 156		96%	SPK: 50
2037-26-5	Toluene-d8	51.2		68 - 122		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		25 - 144		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	826010	3.1				
540-36-3	1,4-Difluorobenzene	1414410	3.48				
3114-55-4	Chlorobenzene-d5	1504330	6.16				
3855-82-1	1,4-Dichlorobenzene-d4	808861	8.52				

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-07-10-11	SDG No.:	C1640
Lab Sample ID:	C1640-07	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	27
Sample Wt/Vol:	4.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK044009.D	1		03/28/11	VK032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-07-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-08	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026228.D	1		03/30/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1.4		0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	15		0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.7	J	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	24		0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	6.2		0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-07-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-08	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026228.D	1		03/30/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	69		0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.9		66 - 150		106%	SPK: 50
1868-53-7	Dibromofluoromethane	56.7		76 - 130		113%	SPK: 50
2037-26-5	Toluene-d8	45.9		78 - 121		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.6		70 - 131		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1857750	3.2				
540-36-3	1,4-Difluorobenzene	3522250	3.8				
3114-55-4	Chlorobenzene-d5	3582530	7.14				
3855-82-1	1,4-Dichlorobenzene-d4	1925980	9.02				
TENTITIVE IDENTIFIED COMPOUNDS							
91-20-3	Naphthalene	3.4	J			10.5	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-07-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-08	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026228.D	1		03/30/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-07-GW-25	SDG No.:	C1640
Lab Sample ID:	C1640-09	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026229.D	1		03/30/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	13		0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	11		0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	3.3		0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-07-GW-25	SDG No.:	C1640
Lab Sample ID:	C1640-09	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026229.D	1		03/30/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	33		0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.1		66 - 150		116%	SPK: 50
1868-53-7	Dibromofluoromethane	61.1		76 - 130		122%	SPK: 50
2037-26-5	Toluene-d8	48.3		78 - 121		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	51		70 - 131		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1650260	3.2				
540-36-3	1,4-Difluorobenzene	3152770	3.8				
3114-55-4	Chlorobenzene-d5	3205950	7.14				
3855-82-1	1,4-Dichlorobenzene-d4	1700280	9.01				

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-07-GW-25	SDG No.:	C1640
Lab Sample ID:	C1640-09	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026229.D	1		03/30/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-08-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-11	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026230.D	1		03/30/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1.6		0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	8.7		0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	0.96	J	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	0.85	J	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	5.3		0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	5.1		0.2	0.5	1	ug/L
71-43-2	Benzene	1.8		0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-08-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-11	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026230.D	1		03/30/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	11		0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1		0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	13		0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.62	J	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59		66 - 150		118%	SPK: 50
1868-53-7	Dibromofluoromethane	58.3		76 - 130		117%	SPK: 50
2037-26-5	Toluene-d8	50.3		78 - 121		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		70 - 131		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1610450	3.2				
540-36-3	1,4-Difluorobenzene	3154800	3.8				
3114-55-4	Chlorobenzene-d5	3247370	7.15				
3855-82-1	1,4-Dichlorobenzene-d4	1751310	9.01				
TENTITIVE IDENTIFIED COMPOUNDS							
001678-92-8	Cyclohexane, propyl-	15	J			7.7	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-08-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-11	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026230.D	1		03/30/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
103-65-1	n-propylbenzene	24	J			8.32	ug/L
98-06-6	tert-Butylbenzene	6.1	J			8.7	ug/L
95-63-6	1,2,4-Trimethylbenzene	9.2	J			8.75	ug/L
135-98-8	sec-Butylbenzene	17	J			8.83	ug/L
99-87-6	p-Isopropyltoluene	3.1	J			8.94	ug/L
000099-87-6	Benzene, 1-methyl-4-(1-methylethyl	17	J			9.11	ug/L
000637-50-3	Benzene, 1-propenyl-	110	J			9.14	ug/L
104-51-8	n-Butylbenzene	14	J			9.22	ug/L
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl	67	J			9.46	ug/L
000767-58-8	Indan, 1-methyl-	16	J			9.48	ug/L
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	72	J			9.52	ug/L
000535-77-3	Benzene, 1-methyl-3-(1-methylethyl	34	J			9.56	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	44	J			9.72	ug/L
000934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	16	J			9.76	ug/L
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	53	J			10.02	ug/L
91-20-3	Naphthalene	4.8	J			10.5	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-08-GW-25	SDG No.:	C1640
Lab Sample ID:	C1640-12	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026231.D	1		03/30/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	2.1		0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	9		0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	4.1		0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-08-GW-25	SDG No.:	C1640
Lab Sample ID:	C1640-12	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026231.D	1		03/30/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	32		0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.4		66 - 150		93%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		76 - 130		103%	SPK: 50
2037-26-5	Toluene-d8	43.7		78 - 121		87%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.1		70 - 131		88%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	2017020	3.2				
540-36-3	1,4-Difluorobenzene	3819140	3.81				
3114-55-4	Chlorobenzene-d5	3814420	7.15				
3855-82-1	1,4-Dichlorobenzene-d4	2072240	9.02				

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-08-GW-25	SDG No.:	C1640
Lab Sample ID:	C1640-12	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026231.D	1		03/30/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-09-9-10	SDG No.:	C1640
Lab Sample ID:	C1640-13	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	21
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK044010.D	1		03/28/11	VK032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	6.3	U	0.82	3.15	6.3	ug/Kg
74-87-3	Chloromethane	6.3	U	1.1	3.15	6.3	ug/Kg
75-01-4	Vinyl Chloride	6.3	U	1.6	3.15	6.3	ug/Kg
74-83-9	Bromomethane	6.3	U	3.1	3.15	6.3	ug/Kg
75-00-3	Chloroethane	6.3	U	1.8	3.15	6.3	ug/Kg
75-69-4	Trichlorofluoromethane	6.3	U	1.7	3.15	6.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.3	U	1.7	3.15	6.3	ug/Kg
75-35-4	1,1-Dichloroethene	6.3	U	1.9	3.15	6.3	ug/Kg
67-64-1	Acetone	68		3.8	16	32	ug/Kg
75-15-0	Carbon Disulfide	6.3	U	1.3	3.15	6.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.3	U	1.2	3.15	6.3	ug/Kg
79-20-9	Methyl Acetate	6.3	U	1.9	3.15	6.3	ug/Kg
75-09-2	Methylene Chloride	6.3	U	1.8	3.15	6.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.3	U	0.88	3.15	6.3	ug/Kg
75-34-3	1,1-Dichloroethane	6.3	U	1.2	3.15	6.3	ug/Kg
110-82-7	Cyclohexane	6.3	U	1.3	3.15	6.3	ug/Kg
78-93-3	2-Butanone	20	J	3.9	16	32	ug/Kg
56-23-5	Carbon Tetrachloride	6.3	U	1.3	3.15	6.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6.3	U	1.1	3.15	6.3	ug/Kg
67-66-3	Chloroform	6.3	U	0.94	3.15	6.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	6.3	U	1.1	3.15	6.3	ug/Kg
108-87-2	Methylcyclohexane	2.8	J	1.3	3.15	6.3	ug/Kg
71-43-2	Benzene	6.3	U	0.48	3.15	6.3	ug/Kg
107-06-2	1,2-Dichloroethane	6.3	U	0.81	3.15	6.3	ug/Kg
79-01-6	Trichloroethene	6.3	U	1.1	3.15	6.3	ug/Kg
78-87-5	1,2-Dichloropropane	6.3	U	0.33	3.15	6.3	ug/Kg
75-27-4	Bromodichloromethane	6.3	U	0.79	3.15	6.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	32	U	3.7	16	32	ug/Kg
108-88-3	Toluene	6.3	U	0.81	3.15	6.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.3	U	1	3.15	6.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.3	U	0.91	3.15	6.3	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-09-9-10	SDG No.:	C1640
Lab Sample ID:	C1640-13	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	21
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK044010.D	1		03/28/11	VK032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	6.3	U	1.1	3.15	6.3	ug/Kg
591-78-6	2-Hexanone	32	U	5	16	32	ug/Kg
124-48-1	Dibromochloromethane	6.3	U	0.68	3.15	6.3	ug/Kg
106-93-4	1,2-Dibromoethane	6.3	U	0.81	3.15	6.3	ug/Kg
127-18-4	Tetrachloroethene	6.3	U	1.3	3.15	6.3	ug/Kg
108-90-7	Chlorobenzene	6.3	U	0.63	3.15	6.3	ug/Kg
100-41-4	Ethyl Benzene	6.3	U	0.79	3.15	6.3	ug/Kg
179601-23-1	m/p-Xylenes	13	U	0.91	6.5	13	ug/Kg
95-47-6	o-Xylene	6.3	U	0.86	3.15	6.3	ug/Kg
100-42-5	Styrene	6.3	U	0.57	3.15	6.3	ug/Kg
75-25-2	Bromoform	6.3	U	0.94	3.15	6.3	ug/Kg
98-82-8	Isopropylbenzene	34		0.61	3.15	6.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.3	U	0.58	3.15	6.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.3	U	0.47	3.15	6.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.3	U	0.52	3.15	6.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.3	U	0.79	3.15	6.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.3	U	1.1	3.15	6.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.3	U	0.89	3.15	6.3	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.1		55 - 158		92%	SPK: 50
1868-53-7	Dibromofluoromethane	46.7		53 - 156		93%	SPK: 50
2037-26-5	Toluene-d8	51.8		68 - 122		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.5		25 - 144		115%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	810559	3.1				
540-36-3	1,4-Difluorobenzene	1369800	3.49				
3114-55-4	Chlorobenzene-d5	1425420	6.15				
3855-82-1	1,4-Dichlorobenzene-d4	766843	8.52				
TENTITIVE IDENTIFIED COMPOUNDS							
001678-92-8	Cyclohexane, propyl-	72	J			6.85	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-09-9-10	SDG No.:	C1640
Lab Sample ID:	C1640-13	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	21
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK044010.D	1		03/28/11	VK032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
004057-42-5	2-Octene, 2,6-dimethyl-	56	J			7.37	ug/Kg
103-65-1	n-propylbenzene	69	J			7.67	ug/Kg
004551-51-3	1H-Indene, octahydro-, cis-	60	J			7.79	ug/Kg
002847-72-5	Decane, 4-methyl-	160	J			8.02	ug/Kg
98-06-6	tert-Butylbenzene	6.2	J			8.14	ug/Kg
001678-93-9	Cyclohexane, butyl-	150	J			8.2	ug/Kg
135-98-8	sec-Butylbenzene	35	J			8.3	ug/Kg
000135-01-3	Benzene, 1,2-diethyl-	130	J			8.68	ug/Kg
000105-05-5	Benzene, 1,4-diethyl-	48	J			8.73	ug/Kg
104-51-8	n-Butylbenzene	26	J			8.78	ug/Kg
000141-93-5	Benzene, 1,3-diethyl-	74	J			8.85	ug/Kg
000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	130	J			9.05	ug/Kg
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	56	J			9.11	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-09-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-14	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026232.D	1		03/30/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	2		0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	8.1		0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	6.4		0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-09-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-14	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026232.D	1		03/30/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	25		0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	6.6		0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.3		66 - 150		97%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		76 - 130		103%	SPK: 50
2037-26-5	Toluene-d8	43.7		78 - 121		87%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.4		70 - 131		87%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	2007230	3.2				
540-36-3	1,4-Difluorobenzene	3834330	3.81				
3114-55-4	Chlorobenzene-d5	3800060	7.14				
3855-82-1	1,4-Dichlorobenzene-d4	2002000	9.02				
TENTITIVE IDENTIFIED COMPOUNDS							
003728-56-1	1-Ethyl-4-methylcyclohexane	9.6	J			7.43	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-09-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-14	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026232.D	1		03/30/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
004551-51-3	1H-Indene, octahydro-, cis-	12	J			7.61	ug/L
000696-29-7	Cyclohexane, (1-methylethyl)-	13	J			7.7	ug/L
103-65-1	n-propylbenzene	11	J			8.32	ug/L
98-06-6	tert-Butylbenzene	2.0	J			8.7	ug/L
135-98-8	sec-Butylbenzene	10	J			8.83	ug/L
000622-97-9	Benzene, 1-ethenyl-4-methyl-	26	J			9.14	ug/L
104-51-8	n-Butylbenzene	9.1	J			9.22	ug/L
000135-01-3	Benzene, 1,2-diethyl-	11	J			9.29	ug/L
000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	27	J			9.46	ug/L
000768-49-0	Benzene, (2-methyl-1-propenyl)-	21	J			9.52	ug/L
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	12	J			9.57	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	19	J			9.72	ug/L
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl	18	J			10.02	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-09-GW-25	SDG No.:	C1640
Lab Sample ID:	C1640-15	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026233.D	1		03/30/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.92	J	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.58	J	0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-09-GW-25	SDG No.:	C1640
Lab Sample ID:	C1640-15	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026233.D	1		03/30/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.8		66 - 150		104%	SPK: 50
1868-53-7	Dibromofluoromethane	58		76 - 130		116%	SPK: 50
2037-26-5	Toluene-d8	48.5		78 - 121		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	47		70 - 131		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1966050	3.2				
540-36-3	1,4-Difluorobenzene	3794370	3.81				
3114-55-4	Chlorobenzene-d5	3787010	7.14				
3855-82-1	1,4-Dichlorobenzene-d4	1998050	9.02				

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-09-GW-25	SDG No.:	C1640
Lab Sample ID:	C1640-15	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026233.D	1		03/30/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-10-11	SDG No.:	C1640
Lab Sample ID:	C1640-16	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK044058.D	1		03/30/11	VK033011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	6.1	U	0.79	3.05	6.1	ug/Kg
74-87-3	Chloromethane	6.1	U	1.1	3.05	6.1	ug/Kg
75-01-4	Vinyl Chloride	6.1	U	1.5	3.05	6.1	ug/Kg
74-83-9	Bromomethane	6.1	U	3	3.05	6.1	ug/Kg
75-00-3	Chloroethane	6.1	U	1.7	3.05	6.1	ug/Kg
75-69-4	Trichlorofluoromethane	6.1	U	1.6	3.05	6.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.1	U	1.6	3.05	6.1	ug/Kg
75-35-4	1,1-Dichloroethene	6.1	U	1.8	3.05	6.1	ug/Kg
67-64-1	Acetone	39		3.7	15.5	31	ug/Kg
75-15-0	Carbon Disulfide	6.1	U	1.3	3.05	6.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.1	U	1.2	3.05	6.1	ug/Kg
79-20-9	Methyl Acetate	6.1	U	1.8	3.05	6.1	ug/Kg
75-09-2	Methylene Chloride	6.1	U	1.7	3.05	6.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.1	U	0.84	3.05	6.1	ug/Kg
75-34-3	1,1-Dichloroethane	6.1	U	1.1	3.05	6.1	ug/Kg
110-82-7	Cyclohexane	6.1	U	1.2	3.05	6.1	ug/Kg
78-93-3	2-Butanone	16	J	3.8	15.5	31	ug/Kg
56-23-5	Carbon Tetrachloride	6.1	U	1.2	3.05	6.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.2	J	1.1	3.05	6.1	ug/Kg
67-66-3	Chloroform	6.1	U	0.9	3.05	6.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	6.1	U	1.1	3.05	6.1	ug/Kg
108-87-2	Methylcyclohexane	150	E	1.3	3.05	6.1	ug/Kg
71-43-2	Benzene	6.1	U	0.46	3.05	6.1	ug/Kg
107-06-2	1,2-Dichloroethane	6.1	U	0.78	3.05	6.1	ug/Kg
79-01-6	Trichloroethene	1.7	J	1.1	3.05	6.1	ug/Kg
78-87-5	1,2-Dichloropropane	6.1	U	0.32	3.05	6.1	ug/Kg
75-27-4	Bromodichloromethane	6.1	U	0.76	3.05	6.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	31	U	3.6	15.5	31	ug/Kg
108-88-3	Toluene	1.7	J	0.78	3.05	6.1	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.1	U	0.97	3.05	6.1	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.1	U	0.88	3.05	6.1	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-10-11	SDG No.:	C1640
Lab Sample ID:	C1640-16	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK044058.D	1		03/30/11	VK033011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	6.1	U	1.1	3.05	6.1	ug/Kg
591-78-6	2-Hexanone	31	U	4.8	15.5	31	ug/Kg
124-48-1	Dibromochloromethane	6.1	U	0.66	3.05	6.1	ug/Kg
106-93-4	1,2-Dibromoethane	6.1	U	0.78	3.05	6.1	ug/Kg
127-18-4	Tetrachloroethene	63		1.2	3.05	6.1	ug/Kg
108-90-7	Chlorobenzene	6.1	U	0.61	3.05	6.1	ug/Kg
100-41-4	Ethyl Benzene	6.1	U	0.76	3.05	6.1	ug/Kg
179601-23-1	m/p-Xylenes	12	U	0.88	6	12	ug/Kg
95-47-6	o-Xylene	6.1	U	0.83	3.05	6.1	ug/Kg
100-42-5	Styrene	6.1	U	0.55	3.05	6.1	ug/Kg
75-25-2	Bromoform	6.1	U	0.9	3.05	6.1	ug/Kg
98-82-8	Isopropylbenzene	220	E	0.59	3.05	6.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.1	U	0.56	3.05	6.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.1	U	0.45	3.05	6.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.1	U	0.5	3.05	6.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.1	U	0.76	3.05	6.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.1	U	1.1	3.05	6.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.1	U	0.86	3.05	6.1	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.6		55 - 158		91%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		53 - 156		95%	SPK: 50
2037-26-5	Toluene-d8	58.2		68 - 122		116%	SPK: 50
460-00-4	4-Bromofluorobenzene	262	*	25 - 144		525%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	634707	3.1				
540-36-3	1,4-Difluorobenzene	1040190	3.48				
3114-55-4	Chlorobenzene-d5	757111	6.15				
3855-82-1	1,4-Dichlorobenzene-d4	544619	8.55				
TENTITIVE IDENTIFIED COMPOUNDS							
000589-53-7	Heptane, 4-methyl-	58	J			4.03	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-10-11	SDG No.:	C1640
Lab Sample ID:	C1640-16	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK044058.D	1		03/30/11	VK033011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
	unknown4.16	48	J			4.16	ug/Kg
000591-21-9	1,3-Dimethylcyclohexane,c&t	92	J			4.35	ug/Kg
	unknown5.23	36	J			5.23	ug/Kg
004926-78-7	Cyclohexane, 1-ethyl-4-methyl-, ci	61	J			6.23	ug/Kg
103-65-1	n-propylbenzene	300	J			7.7	ug/Kg
98-06-6	tert-Butylbenzene	59	J			8.21	ug/Kg
135-98-8	sec-Butylbenzene	590	J			8.38	ug/Kg
104-51-8	n-Butylbenzene	430	J			8.81	ug/Kg
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	61	J			9.08	ug/Kg
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	7.0	J			9.37	ug/Kg
91-20-3	Naphthalene	6.0	J			10.2	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-10-11DL	SDG No.:	C1640
Lab Sample ID:	C1640-16DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Sample Wt/Vol:	5.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE021468.D	1		03/30/11	VE033011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	600	U	67	300	600	ug/Kg
74-87-3	Chloromethane	600	U	65	300	600	ug/Kg
75-01-4	Vinyl Chloride	600	U	41	300	600	ug/Kg
74-83-9	Bromomethane	600	U	75	300	600	ug/Kg
75-00-3	Chloroethane	600	U	80	300	600	ug/Kg
75-69-4	Trichlorofluoromethane	600	U	42	300	600	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	600	U	54	300	600	ug/Kg
75-35-4	1,1-Dichloroethene	600	U	57	300	600	ug/Kg
67-64-1	Acetone	3000	U	330	1500	3000	ug/Kg
75-15-0	Carbon Disulfide	600	U	65	300	600	ug/Kg
1634-04-4	Methyl tert-butyl Ether	600	U	42	300	600	ug/Kg
79-20-9	Methyl Acetate	600	U	100	300	600	ug/Kg
75-09-2	Methylene Chloride	600	U	50	300	600	ug/Kg
156-60-5	trans-1,2-Dichloroethene	600	U	50	300	600	ug/Kg
75-34-3	1,1-Dichloroethane	600	U	44	300	600	ug/Kg
110-82-7	Cyclohexane	600	U	67	300	600	ug/Kg
78-93-3	2-Butanone	3000	U	160	1500	3000	ug/Kg
56-23-5	Carbon Tetrachloride	600	U	75	300	600	ug/Kg
156-59-2	cis-1,2-Dichloroethene	600	U	42	300	600	ug/Kg
67-66-3	Chloroform	600	U	41	300	600	ug/Kg
71-55-6	1,1,1-Trichloroethane	600	U	48	300	600	ug/Kg
108-87-2	Methylcyclohexane	240	JD	82	300	600	ug/Kg
71-43-2	Benzene	600	U	39	300	600	ug/Kg
107-06-2	1,2-Dichloroethane	600	U	58	300	600	ug/Kg
79-01-6	Trichloroethene	600	U	34	300	600	ug/Kg
78-87-5	1,2-Dichloropropane	600	U	56	300	600	ug/Kg
75-27-4	Bromodichloromethane	600	U	44	300	600	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3000	U	250	1500	3000	ug/Kg
108-88-3	Toluene	600	U	45	300	600	ug/Kg
10061-02-6	t-1,3-Dichloropropene	600	U	35	300	600	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	600	U	38	300	600	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-10-11DL	SDG No.:	C1640
Lab Sample ID:	C1640-16DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Sample Wt/Vol:	5.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE021468.D	1		03/30/11	VE033011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	600	U	46	300	600	ug/Kg
591-78-6	2-Hexanone	3000	U	230	1500	3000	ug/Kg
124-48-1	Dibromochloromethane	600	U	63	300	600	ug/Kg
106-93-4	1,2-Dibromoethane	600	U	50	300	600	ug/Kg
127-18-4	Tetrachloroethene	600	U	33	300	600	ug/Kg
108-90-7	Chlorobenzene	600	U	59	300	600	ug/Kg
100-41-4	Ethyl Benzene	600	U	64	300	600	ug/Kg
179601-23-1	m/p-Xylenes	1200	U	110	600	1200	ug/Kg
95-47-6	o-Xylene	600	U	52	300	600	ug/Kg
100-42-5	Styrene	600	U	44	300	600	ug/Kg
75-25-2	Bromoform	600	U	57	300	600	ug/Kg
98-82-8	Isopropylbenzene	620	D	54	300	600	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	600	U	38	300	600	ug/Kg
541-73-1	1,3-Dichlorobenzene	600	U	52	300	600	ug/Kg
106-46-7	1,4-Dichlorobenzene	600	U	39	300	600	ug/Kg
95-50-1	1,2-Dichlorobenzene	600	U	54	300	600	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	600	U	56	300	600	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	600	U	75	300	600	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50		55 - 158		100%	SPK: 50
1868-53-7	Dibromofluoromethane	52		53 - 156		104%	SPK: 50
2037-26-5	Toluene-d8	48		68 - 122		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	48		25 - 144		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1971140	9.43				
540-36-3	1,4-Difluorobenzene	3508960	10.52				
3114-55-4	Chlorobenzene-d5	3096250	14.93				
3855-82-1	1,4-Dichlorobenzene-d4	1356510	18.73				

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-10-11DL	SDG No.:	C1640
Lab Sample ID:	C1640-16DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Sample Wt/Vol:	5.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE021468.D	1		03/30/11	VE033011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-17	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026243.D	1		03/30/11	VF033011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1.3		0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1		0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	8.7		0.2	0.5	1	ug/L
71-43-2	Benzene	3.3		0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-17	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026243.D	1		03/30/11	VF033011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1.3		0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	100	E	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.73	J	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.73	J	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54		66 - 150		108%	SPK: 50
1868-53-7	Dibromofluoromethane	55.6		76 - 130		111%	SPK: 50
2037-26-5	Toluene-d8	49.2		78 - 121		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		70 - 131		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1900160	3.2				
540-36-3	1,4-Difluorobenzene	3709010	3.81				
3114-55-4	Chlorobenzene-d5	3570980	7.14				
3855-82-1	1,4-Dichlorobenzene-d4	1272510	9.02				
TENTITIVE IDENTIFIED COMPOUNDS							
002051-30-1	Octane, 2,6-dimethyl-	80	J			7.7	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-17	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026243.D	1		03/30/11	VF033011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
004057-42-5	2-Octene, 2,6-dimethyl-	120	J			8.11	ug/L
103-65-1	n-propylbenzene	140	J			8.32	ug/L
005881-17-4	Octane, 3-ethyl-	180	J			8.6	ug/L
98-06-6	tert-Butylbenzene	16	J			8.71	ug/L
135-98-8	sec-Butylbenzene	88	J			8.83	ug/L
000637-50-3	Benzene, 1-propenyl-	350	J			9.15	ug/L
104-51-8	n-Butylbenzene	60	J			9.23	ug/L
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	250	J			9.46	ug/L
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	230	J			9.53	ug/L
000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	130	J			9.57	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	130	J			9.73	ug/L
004701-36-4	Benzene, (1-ethyl-1-propenyl)-	84	J			9.9	ug/L
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl	330	J			10.04	ug/L
91-20-3	Naphthalene	5.2	J			10.52	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-GW-13DL	SDG No.:	C1640
Lab Sample ID:	C1640-17DL	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026247.D	5		03/30/11	VF033011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5	U	1	2.5	5	ug/L
74-87-3	Chloromethane	5	U	1	2.5	5	ug/L
75-01-4	Vinyl Chloride	5	U	1.7	2.5	5	ug/L
74-83-9	Bromomethane	5	U	1	2.5	5	ug/L
75-00-3	Chloroethane	5	U	1	2.5	5	ug/L
75-69-4	Trichlorofluoromethane	5	U	1.8	2.5	5	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U	2.2	2.5	5	ug/L
75-35-4	1,1-Dichloroethene	5	U	2.4	2.5	5	ug/L
67-64-1	Acetone	25	U	2.5	12.5	25	ug/L
75-15-0	Carbon Disulfide	5	U	1	2.5	5	ug/L
1634-04-4	Methyl tert-butyl Ether	5	U	1.8	2.5	5	ug/L
79-20-9	Methyl Acetate	5	U	1	2.5	5	ug/L
75-09-2	Methylene Chloride	5	U	2	2.5	5	ug/L
156-60-5	trans-1,2-Dichloroethene	5	U	2	2.5	5	ug/L
75-34-3	1,1-Dichloroethane	5	U	1.8	2.5	5	ug/L
110-82-7	Cyclohexane	5	U	1	2.5	5	ug/L
78-93-3	2-Butanone	25	U	6.6	12.5	25	ug/L
56-23-5	Carbon Tetrachloride	5	U	1	2.5	5	ug/L
156-59-2	cis-1,2-Dichloroethene	5	U	1.8	2.5	5	ug/L
67-66-3	Chloroform	5	U	1.7	2.5	5	ug/L
71-55-6	1,1,1-Trichloroethane	5	U	2	2.5	5	ug/L
108-87-2	Methylcyclohexane	9.4	D	1	2.5	5	ug/L
71-43-2	Benzene	6	D	1.6	2.5	5	ug/L
107-06-2	1,2-Dichloroethane	5	U	2.4	2.5	5	ug/L
79-01-6	Trichloroethene	5	U	1.4	2.5	5	ug/L
78-87-5	1,2-Dichloropropane	5	U	2.3	2.5	5	ug/L
75-27-4	Bromodichloromethane	5	U	1.8	2.5	5	ug/L
108-10-1	4-Methyl-2-Pentanone	25	U	10	12.5	25	ug/L
108-88-3	Toluene	5	U	1.8	2.5	5	ug/L
10061-02-6	t-1,3-Dichloropropene	5	U	1.4	2.5	5	ug/L
10061-01-5	cis-1,3-Dichloropropene	5	U	1.6	2.5	5	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-GW-13DL	SDG No.:	C1640
Lab Sample ID:	C1640-17DL	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026247.D	5		03/30/11	VF033011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	5	U	1.9	2.5	5	ug/L
591-78-6	2-Hexanone	25	U	9.7	12.5	25	ug/L
124-48-1	Dibromochloromethane	5	U	1	2.5	5	ug/L
106-93-4	1,2-Dibromoethane	5	U	2	2.5	5	ug/L
127-18-4	Tetrachloroethene	5	U	1.4	2.5	5	ug/L
108-90-7	Chlorobenzene	5	U	2.4	2.5	5	ug/L
100-41-4	Ethyl Benzene	5	U	1	2.5	5	ug/L
179601-23-1	m/p-Xylenes	10	U	4.8	5	10	ug/L
95-47-6	o-Xylene	5	U	2.2	2.5	5	ug/L
100-42-5	Styrene	5	U	1.8	2.5	5	ug/L
75-25-2	Bromoform	5	U	2.4	2.5	5	ug/L
98-82-8	Isopropylbenzene	170	D	2.2	2.5	5	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5	U	1.6	2.5	5	ug/L
541-73-1	1,3-Dichlorobenzene	5	U	2.2	2.5	5	ug/L
106-46-7	1,4-Dichlorobenzene	5	U	1.6	2.5	5	ug/L
95-50-1	1,2-Dichlorobenzene	5	U	2.2	2.5	5	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5	U	2.3	2.5	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	5	U	1	2.5	5	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	40.8		66 - 150	82%	SPK: 50	
1868-53-7	Dibromofluoromethane	49.8		76 - 130	100%	SPK: 50	
2037-26-5	Toluene-d8	43.9		78 - 121	88%	SPK: 50	
460-00-4	4-Bromofluorobenzene	43.2		70 - 131	86%	SPK: 50	
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1271320	3.2				
540-36-3	1,4-Difluorobenzene	2269950	3.82				
3114-55-4	Chlorobenzene-d5	2232900	7.15				
3855-82-1	1,4-Dichlorobenzene-d4	1067150	9.02				

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-GW-13DL	SDG No.:	C1640
Lab Sample ID:	C1640-17DL	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026247.D	5		03/30/11	VF033011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-GW-25	SDG No.:	C1640
Lab Sample ID:	C1640-18	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026245.D	1		03/30/11	VF033011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1.7		0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.52	J	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	4.2		0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-GW-25	SDG No.:	C1640
Lab Sample ID:	C1640-18	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026245.D	1		03/30/11	VF033011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.1		66 - 150		86%	SPK: 50
1868-53-7	Dibromofluoromethane	53		76 - 130		106%	SPK: 50
2037-26-5	Toluene-d8	49.7		78 - 121		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		70 - 131		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	2793110	3.2				
540-36-3	1,4-Difluorobenzene	4971020	3.81				
3114-55-4	Chlorobenzene-d5	5083960	7.14				
3855-82-1	1,4-Dichlorobenzene-d4	2771370	9.02				
TENTITIVE IDENTIFIED COMPOUNDS							
103-65-1	n-propylbenzene	0.64	J			8.32	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-GW-25	SDG No.:	C1640
Lab Sample ID:	C1640-18	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026245.D	1		03/30/11	VF033011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
135-98-8	sec-Butylbenzene	0.57	J			8.83	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-4R	SDG No.:	C1640
Lab Sample ID:	C1640-19	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026227.D	1		03/29/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	0.72	J	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-4R	SDG No.:	C1640
Lab Sample ID:	C1640-19	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026227.D	1		03/29/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	0.57	J	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	25		0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1.1		0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	65		66 - 150		130%	SPK: 50
1868-53-7	Dibromofluoromethane	61		76 - 130		122%	SPK: 50
2037-26-5	Toluene-d8	53.4		78 - 121		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9		70 - 131		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1412590	3.2				
540-36-3	1,4-Difluorobenzene	2838800	3.8				
3114-55-4	Chlorobenzene-d5	3007110	7.14				
3855-82-1	1,4-Dichlorobenzene-d4	1672120	9.01				
TENTITIVE IDENTIFIED COMPOUNDS							
103-65-1	n-propylbenzene	54	J			8.32	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-4R	SDG No.:	C1640
Lab Sample ID:	C1640-19	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026227.D	1		03/29/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
98-06-6	tert-Butylbenzene	3.5	J			8.7	ug/L
95-63-6	1,2,4-Trimethylbenzene	8.3	J			8.75	ug/L
135-98-8	sec-Butylbenzene	19	J			8.83	ug/L
99-87-6	p-Isopropyltoluene	1.9	J			8.94	ug/L
000496-11-7	Indane	110	J			9.14	ug/L
104-51-8	n-Butylbenzene	6.4	J			9.22	ug/L
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl	68	J			9.46	ug/L
000824-90-8	1-Phenyl-1-butene	17	J			9.48	ug/L
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	49	J			9.52	ug/L
000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	27	J			9.56	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	27	J			9.72	ug/L
000934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	17	J			9.76	ug/L
003333-13-9	Benzene, 1-methyl-4-(2-propenyl)-	16	J			9.89	ug/L
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	73	J			10.02	ug/L
000119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	15	J			10.11	ug/L
91-20-3	Naphthalene	7.4	J			10.5	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	TRIPBLANK	SDG No.:	C1640
Lab Sample ID:	C1640-20	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026220.D	1		03/29/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	TRIPBLANK	SDG No.:	C1640
Lab Sample ID:	C1640-20	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026220.D	1		03/29/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	55.9	66 - 150	112%	SPK: 50
1868-53-7	Dibromofluoromethane	56.7	76 - 130	113%	SPK: 50
2037-26-5	Toluene-d8	52.5	78 - 121	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9	70 - 131	102%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	1579950	3.19
540-36-3	1,4-Difluorobenzene	3028730	3.8
3114-55-4	Chlorobenzene-d5	3087850	7.14
3855-82-1	1,4-Dichlorobenzene-d4	1632290	9.01

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	TRIPBLANK	SDG No.:	C1640
Lab Sample ID:	C1640-20	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026220.D	1		03/29/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-08-10-11	SDG No.:	C1640
Lab Sample ID:	C1640-21	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	4.96 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK044014.D	1		03/28/11	VK032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5	U	0.66	2.5	5	ug/Kg
74-87-3	Chloromethane	5	U	0.87	2.5	5	ug/Kg
75-01-4	Vinyl Chloride	5	U	1.2	2.5	5	ug/Kg
74-83-9	Bromomethane	5	U	2.5	2.5	5	ug/Kg
75-00-3	Chloroethane	5	U	1.4	2.5	5	ug/Kg
75-69-4	Trichlorofluoromethane	5	U	1.3	2.5	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U	1.3	2.5	5	ug/Kg
75-35-4	1,1-Dichloroethene	5	U	1.5	2.5	5	ug/Kg
67-64-1	Acetone	53		3	12.5	25	ug/Kg
75-15-0	Carbon Disulfide	5	U	1.1	2.5	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5	U	0.97	2.5	5	ug/Kg
79-20-9	Methyl Acetate	5	U	1.5	2.5	5	ug/Kg
75-09-2	Methylene Chloride	5	U	1.4	2.5	5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5	U	0.7	2.5	5	ug/Kg
75-34-3	1,1-Dichloroethane	5	U	0.95	2.5	5	ug/Kg
110-82-7	Cyclohexane	5.1		1	2.5	5	ug/Kg
78-93-3	2-Butanone	25	U	3.1	12.5	25	ug/Kg
56-23-5	Carbon Tetrachloride	5	U	1	2.5	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	22		0.9	2.5	5	ug/Kg
67-66-3	Chloroform	5	U	0.75	2.5	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	5	U	0.89	2.5	5	ug/Kg
108-87-2	Methylcyclohexane	280	E	1.1	2.5	5	ug/Kg
71-43-2	Benzene	5	U	0.38	2.5	5	ug/Kg
107-06-2	1,2-Dichloroethane	5	U	0.65	2.5	5	ug/Kg
79-01-6	Trichloroethene	12		0.87	2.5	5	ug/Kg
78-87-5	1,2-Dichloropropane	5	U	0.26	2.5	5	ug/Kg
75-27-4	Bromodichloromethane	5	U	0.62	2.5	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	25	U	2.9	12.5	25	ug/Kg
108-88-3	Toluene	5	U	0.65	2.5	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5	U	0.8	2.5	5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5	U	0.73	2.5	5	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-08-10-11	SDG No.:	C1640
Lab Sample ID:	C1640-21	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	4.96 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK044014.D	1		03/28/11	VK032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	5	U	0.91	2.5	5	ug/Kg
591-78-6	2-Hexanone	25	U	4	12.5	25	ug/Kg
124-48-1	Dibromochloromethane	5	U	0.54	2.5	5	ug/Kg
106-93-4	1,2-Dibromoethane	5	U	0.65	2.5	5	ug/Kg
127-18-4	Tetrachloroethene	260	E	1	2.5	5	ug/Kg
108-90-7	Chlorobenzene	5	U	0.5	2.5	5	ug/Kg
100-41-4	Ethyl Benzene	110	E	0.62	2.5	5	ug/Kg
179601-23-1	m/p-Xylenes	10	U	0.73	5	10	ug/Kg
95-47-6	o-Xylene	5	U	0.69	2.5	5	ug/Kg
100-42-5	Styrene	5	U	0.45	2.5	5	ug/Kg
75-25-2	Bromoform	5	U	0.75	2.5	5	ug/Kg
98-82-8	Isopropylbenzene	3200	E	0.48	2.5	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.46	2.5	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	5	U	0.37	2.5	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	5	U	0.41	2.5	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	5	U	0.62	2.5	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5	U	0.88	2.5	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5	U	0.71	2.5	5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	41.3		55 - 158		83%	SPK: 50
1868-53-7	Dibromofluoromethane	43.6		53 - 156		87%	SPK: 50
2037-26-5	Toluene-d8	55.2		68 - 122		110%	SPK: 50
460-00-4	4-Bromofluorobenzene	398	*	25 - 144		797%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	695973	3.1				
540-36-3	1,4-Difluorobenzene	1170960	3.48				
3114-55-4	Chlorobenzene-d5	638995	6.17				
3855-82-1	1,4-Dichlorobenzene-d4	94484	8.5				
TENTITIVE IDENTIFIED COMPOUNDS							
000589-53-7	Heptane, 4-methyl-	30	J			4.03	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-08-10-11	SDG No.:	C1640
Lab Sample ID:	C1640-21	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	4.96 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK044014.D	1		03/28/11	VK032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
	unknown5.42	50	J			5.42	ug/Kg
103-65-1	n-propylbenzene	7000	J			7.72	ug/Kg
135-98-8	sec-Butylbenzene	4800	J			8.38	ug/Kg
99-87-6	p-Isopropyltoluene	1200	J			8.5	ug/Kg
000493-02-7	Naphthalene, decahydro-, trans-	50	J			8.63	ug/Kg
104-51-8	n-Butylbenzene	4000	J			8.81	ug/Kg
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	150	J			9.08	ug/Kg
91-20-3	Naphthalene	32	J			10.2	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-08-10-11DL	SDG No.:	C1640
Lab Sample ID:	C1640-21DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	20
Sample Wt/Vol:	4.98 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE021458.D	1		03/29/11	VE032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	630	U	69	315	630	ug/Kg
74-87-3	Chloromethane	630	U	68	315	630	ug/Kg
75-01-4	Vinyl Chloride	630	U	43	315	630	ug/Kg
74-83-9	Bromomethane	630	U	78	315	630	ug/Kg
75-00-3	Chloroethane	630	U	83	315	630	ug/Kg
75-69-4	Trichlorofluoromethane	630	U	44	315	630	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	630	U	56	315	630	ug/Kg
75-35-4	1,1-Dichloroethene	630	U	59	315	630	ug/Kg
67-64-1	Acetone	3100	U	350	1550	3100	ug/Kg
75-15-0	Carbon Disulfide	630	U	68	315	630	ug/Kg
1634-04-4	Methyl tert-butyl Ether	630	U	44	315	630	ug/Kg
79-20-9	Methyl Acetate	630	U	100	315	630	ug/Kg
75-09-2	Methylene Chloride	630	U	51	315	630	ug/Kg
156-60-5	trans-1,2-Dichloroethene	630	U	51	315	630	ug/Kg
75-34-3	1,1-Dichloroethane	630	U	45	315	630	ug/Kg
110-82-7	Cyclohexane	630	U	69	315	630	ug/Kg
78-93-3	2-Butanone	3100	U	170	1550	3100	ug/Kg
56-23-5	Carbon Tetrachloride	630	U	78	315	630	ug/Kg
156-59-2	cis-1,2-Dichloroethene	140	JD	44	315	630	ug/Kg
67-66-3	Chloroform	630	U	43	315	630	ug/Kg
71-55-6	1,1,1-Trichloroethane	630	U	50	315	630	ug/Kg
108-87-2	Methylcyclohexane	2400	D	85	315	630	ug/Kg
71-43-2	Benzene	630	U	40	315	630	ug/Kg
107-06-2	1,2-Dichloroethane	630	U	60	315	630	ug/Kg
79-01-6	Trichloroethene	630	U	35	315	630	ug/Kg
78-87-5	1,2-Dichloropropane	630	U	58	315	630	ug/Kg
75-27-4	Bromodichloromethane	630	U	45	315	630	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3100	U	260	1550	3100	ug/Kg
108-88-3	Toluene	630	U	46	315	630	ug/Kg
10061-02-6	t-1,3-Dichloropropene	630	U	36	315	630	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	630	U	39	315	630	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-08-10-11DL	SDG No.:	C1640
Lab Sample ID:	C1640-21DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	20
Sample Wt/Vol:	4.98 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE021458.D	1		03/29/11	VE032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	630	U	48	315	630	ug/Kg
591-78-6	2-Hexanone	3100	U	240	1550	3100	ug/Kg
124-48-1	Dibromochloromethane	630	U	65	315	630	ug/Kg
106-93-4	1,2-Dibromoethane	630	U	51	315	630	ug/Kg
127-18-4	Tetrachloroethene	930	D	34	315	630	ug/Kg
108-90-7	Chlorobenzene	630	U	61	315	630	ug/Kg
100-41-4	Ethyl Benzene	580	JD	67	315	630	ug/Kg
179601-23-1	m/p-Xylenes	1300	U	120	650	1300	ug/Kg
95-47-6	o-Xylene	630	U	54	315	630	ug/Kg
100-42-5	Styrene	630	U	45	315	630	ug/Kg
75-25-2	Bromoform	630	U	59	315	630	ug/Kg
98-82-8	Isopropylbenzene	7800	D	56	315	630	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	630	U	39	315	630	ug/Kg
541-73-1	1,3-Dichlorobenzene	630	U	54	315	630	ug/Kg
106-46-7	1,4-Dichlorobenzene	630	U	40	315	630	ug/Kg
95-50-1	1,2-Dichlorobenzene	630	U	56	315	630	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	630	U	58	315	630	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	630	U	78	315	630	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.6		55 - 158		85%	SPK: 50
1868-53-7	Dibromofluoromethane	46.6		53 - 156		93%	SPK: 50
2037-26-5	Toluene-d8	40.8		68 - 122		82%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.6		25 - 144		87%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1385260	9.41				
540-36-3	1,4-Difluorobenzene	2310230	10.51				
3114-55-4	Chlorobenzene-d5	2176490	14.92				
3855-82-1	1,4-Dichlorobenzene-d4	948805	18.73				

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-08-10-11DL	SDG No.:	C1640
Lab Sample ID:	C1640-21DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	20
Sample Wt/Vol:	4.98 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE021458.D	1		03/29/11	VE032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
Client ID:	**PZ-3**								
C1640-01	PZ-3	WATER	1,2,4-Trichlorobenzene		3.10		1.0	0.20	ug/L
			Total Voc :			**3.10**			
C1640-01	PZ-3	WATER	n-propylbenzene	*	0.95	J	1.0	0.45	ug/L
C1640-01	PZ-3	WATER	1,3,5-Trimethylbenzene	*	1.80	J	1.0	0.46	ug/L
C1640-01	PZ-3	WATER	4-Chlorotoluene	*	1.60	J	1.0	0.42	ug/L
C1640-01	PZ-3	WATER	tert-Butylbenzene	*	2.00	J	1.0	0.44	ug/L
C1640-01	PZ-3	WATER	1,2,4-Trimethylbenzene	*	1.40	J	1.0	0.38	ug/L
C1640-01	PZ-3	WATER	sec-Butylbenzene	*	0.99	J	1.0	0.46	ug/L
C1640-01	PZ-3	WATER	p-Isopropyltoluene	*	1.20	J	1.0	0.43	ug/L
C1640-01	PZ-3	WATER	n-Butylbenzene	*	1.20	J	1.0	0.41	ug/L
C1640-01	PZ-3	WATER	Hexachlorobutadiene	*	3.10	J	1.0	0.20	ug/L
C1640-01	PZ-3	WATER	Naphthalene	*	3.60	J	1.0	0.20	ug/L
C1640-01	PZ-3	WATER	1,2,3-Trichlorobenzene	*	5.50	J	1.0	0.20	ug/L
			Total Tics :			**23.34**			
			Total Concentration:			**26.44**			
Client ID:	**PZ-4R**								
C1640-19	PZ-4R	WATER	Toluene		0.72	J	1.0	0.37	ug/L
C1640-19	PZ-4R	WATER	Ethyl Benzene		0.57	J	1.0	0.20	ug/L
C1640-19	PZ-4R	WATER	Isopropylbenzene		25.00		1.0	0.45	ug/L
C1640-19	PZ-4R	WATER	1,2-Dichlorobenzene		1.10		1.0	0.45	ug/L
			Total Voc :			**27.39**			
C1640-19	PZ-4R	WATER	n-propylbenzene	*	54.00	J	1.0	0.45	ug/L
C1640-19	PZ-4R	WATER	tert-Butylbenzene	*	3.50	J	1.0	0.44	ug/L
C1640-19	PZ-4R	WATER	1,2,4-Trimethylbenzene	*	8.30	J	1.0	0.38	ug/L
C1640-19	PZ-4R	WATER	sec-Butylbenzene	*	19.00	J	1.0	0.46	ug/L
C1640-19	PZ-4R	WATER	p-Isopropyltoluene	*	1.90	J	1.0	0.43	ug/L
C1640-19	PZ-4R	WATER	n-Butylbenzene	*	6.40	J	1.0	0.41	ug/L
C1640-19	PZ-4R	WATER	Naphthalene	*	7.40	J	1.0	0.20	ug/L
C1640-19	PZ-4R	WATER	Benzene, 1,2,4,5-tetramethyl-	*	27.00	J	0	0	ug/L
C1640-19	PZ-4R	WATER	Naphthalene, 1,2,3,4-tetrahydro-	*	15.00	J	0	0	ug/L
C1640-19	PZ-4R	WATER	Benzene, 1,2,3,4-tetramethyl-	*	73.00	J	0	0	ug/L
C1640-19	PZ-4R	WATER	Indane	*	110.00	J	0	0	ug/L
C1640-19	PZ-4R	WATER	Benzene, 1-methyl-2-(1-methylet	*	68.00	J	0	0	ug/L
C1640-19	PZ-4R	WATER	1-Phenyl-1-butene	*	17.00	J	0	0	ug/L
C1640-19	PZ-4R	WATER	Benzene, 1-ethyl-2,4-dimethyl-	*	27.00	J	0	0	ug/L
C1640-19	PZ-4R	WATER	Benzene, 1-ethyl-3,5-dimethyl-	*	17.00	J	0	0	ug/L
C1640-19	PZ-4R	WATER	Benzene, 1-methyl-4-(2-propenyl	*	16.00	J	0	0	ug/L
C1640-19	PZ-4R	WATER	Benzene, 1-ethenyl-3-ethyl-	*	49.00	J	0	0	ug/L

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
			Total Tics :			**519.50**			
			Total Concentration:			**546.89**			
Client ID:	**PZ-5**								
C1640-03	PZ-5	WATER	Toluene		0.70	J	1.0	0.37	ug/L
			Total Voc :			**0.70**			
			Total Concentration:			**0.70**			
Client ID:	**PZ-6**								
C1640-06	PZ-6	WATER	1,2,4-Trichlorobenzene		1.20		1.0	0.20	ug/L
			Total Voc :			**1.20**			
C1640-06	PZ-6	WATER	n-propylbenzene	*	0.80	J	1.0	0.45	ug/L
C1640-06	PZ-6	WATER	1,3,5-Trimethylbenzene	*	1.70	J	1.0	0.46	ug/L
C1640-06	PZ-6	WATER	4-Chlorotoluene	*	1.60	J	1.0	0.42	ug/L
C1640-06	PZ-6	WATER	tert-Butylbenzene	*	1.80	J	1.0	0.44	ug/L
C1640-06	PZ-6	WATER	1,2,4-Trimethylbenzene	*	1.30	J	1.0	0.38	ug/L
C1640-06	PZ-6	WATER	sec-Butylbenzene	*	0.65	J	1.0	0.46	ug/L
C1640-06	PZ-6	WATER	p-Isopropyltoluene	*	0.88	J	1.0	0.43	ug/L
C1640-06	PZ-6	WATER	n-Butylbenzene	*	0.66	J	1.0	0.41	ug/L
C1640-06	PZ-6	WATER	Naphthalene	*	2.60	J	1.0	0.20	ug/L
C1640-06	PZ-6	WATER	1,2,3-Trichlorobenzene	*	0.65	J	1.0	0.20	ug/L
			Total Tics :			**12.64**			
			Total Concentration:			**13.84**			
Client ID:	**PZ-X**								
C1640-02	PZ-X	WATER	1,2,4-Trichlorobenzene		1.20		1.0	0.20	ug/L
			Total Voc :			**1.20**			
C1640-02	PZ-X	WATER	n-propylbenzene	*	0.81	J	1.0	0.45	ug/L
C1640-02	PZ-X	WATER	1,3,5-Trimethylbenzene	*	1.70	J	1.0	0.46	ug/L
C1640-02	PZ-X	WATER	4-Chlorotoluene	*	1.60	J	1.0	0.42	ug/L
C1640-02	PZ-X	WATER	tert-Butylbenzene	*	1.80	J	1.0	0.44	ug/L
C1640-02	PZ-X	WATER	1,2,4-Trimethylbenzene	*	1.30	J	1.0	0.38	ug/L
C1640-02	PZ-X	WATER	sec-Butylbenzene	*	0.69	J	1.0	0.46	ug/L
C1640-02	PZ-X	WATER	p-Isopropyltoluene	*	0.91	J	1.0	0.43	ug/L
C1640-02	PZ-X	WATER	n-Butylbenzene	*	0.71	J	1.0	0.41	ug/L
C1640-02	PZ-X	WATER	Hexachlorobutadiene	*	0.61	J	1.0	0.20	ug/L
C1640-02	PZ-X	WATER	Naphthalene	*	2.60	J	1.0	0.20	ug/L
C1640-02	PZ-X	WATER	1,2,3-Trichlorobenzene	*	0.82	J	1.0	0.20	ug/L
			Total Tics :			**13.55**			
			Total Concentration:			**14.75**			
Client ID:	**SB-07-10-11**								
C1640-07	SB-07-10-11	SOIL	Acetone		31.00	J	34	4.2	ug/Kg
C1640-07	SB-07-10-11	SOIL	Tetrachloroethene		120.00		6.9	1.4	ug/Kg

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	RDL	MDL	Units
			Total Voc :			**151.00**			
			Total Concentration:			**151.00**			
Client ID:	**SB-07-GW-13**								
C1640-08	SB-07-GW-13	WATER	Vinyl Chloride		1.40		1.0	0.34	ug/L
C1640-08	SB-07-GW-13	WATER	Acetone		15.00		5.0	0.50	ug/L
C1640-08	SB-07-GW-13	WATER	trans-1,2-Dichloroethene		0.70	J	1.0	0.41	ug/L
C1640-08	SB-07-GW-13	WATER	cis-1,2-Dichloroethene		24.00		1.0	0.35	ug/L
C1640-08	SB-07-GW-13	WATER	Trichloroethene		6.20		1.0	0.28	ug/L
C1640-08	SB-07-GW-13	WATER	Tetrachloroethene		69.00		1.0	0.27	ug/L
			Total Voc :			**116.30**			
C1640-08	SB-07-GW-13	WATER	Naphthalene	*	3.40	J	1.0	0.20	ug/L
			Total Tics :			**3.40**			
			Total Concentration:			**119.70**			
Client ID:	**SB-07-GW-25**								
C1640-09	SB-07-GW-25	WATER	Acetone		13.00		5.0	0.50	ug/L
C1640-09	SB-07-GW-25	WATER	cis-1,2-Dichloroethene		11.00		1.0	0.35	ug/L
C1640-09	SB-07-GW-25	WATER	Trichloroethene		3.30		1.0	0.28	ug/L
C1640-09	SB-07-GW-25	WATER	Tetrachloroethene		33.00		1.0	0.27	ug/L
			Total Voc :			**60.30**			
			Total Concentration:			**60.30**			
Client ID:	**SB-08-10-11**								
C1640-21	SB-08-10-11	SOIL	Acetone		53.00		25	3.0	ug/Kg
C1640-21	SB-08-10-11	SOIL	Cyclohexane		5.10		5.0	1.0	ug/Kg
C1640-21	SB-08-10-11	SOIL	cis-1,2-Dichloroethene		22.00		5.0	0.90	ug/Kg
C1640-21	SB-08-10-11	SOIL	Methylcyclohexane		280.00	E	5.0	1.1	ug/Kg
C1640-21	SB-08-10-11	SOIL	Trichloroethene		12.00		5.0	0.87	ug/Kg
C1640-21	SB-08-10-11	SOIL	Tetrachloroethene		260.00	E	5.0	1.0	ug/Kg
C1640-21	SB-08-10-11	SOIL	Ethyl Benzene		110.00	E	5.0	0.62	ug/Kg
C1640-21	SB-08-10-11	SOIL	Isopropylbenzene		3,200.00	E	5.0	0.48	ug/Kg
			Total Voc :			**3,942.10**			
C1640-21	SB-08-10-11	SOIL	n-propylbenzene	*	7,000.00	J	5.0	0.36	ug/Kg
C1640-21	SB-08-10-11	SOIL	sec-Butylbenzene	*	4,800.00	J	5.0	0.52	ug/Kg
C1640-21	SB-08-10-11	SOIL	p-Isopropyltoluene	*	1,200.00	J	5.0	0.29	ug/Kg
C1640-21	SB-08-10-11	SOIL	n-Butylbenzene	*	4,000.00	J	5.0	0.46	ug/Kg
C1640-21	SB-08-10-11	SOIL	Naphthalene	*	32.00	J	5.0	0.45	ug/Kg
C1640-21	SB-08-10-11	SOIL	unknown5.42	*	50.00	J	0	0	ug/Kg
C1640-21	SB-08-10-11	SOIL	Naphthalene, decahydro-, trans-	*	50.00	J	0	0	ug/Kg
C1640-21	SB-08-10-11	SOIL	Heptane, 4-methyl-	*	30.00	J	0	0	ug/Kg
C1640-21	SB-08-10-11	SOIL	Benzene, 1-ethyl-2,3-dimethyl-	*	150.00	J	0	0	ug/Kg
			Total Tics :			**17,312.00**			

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	RDL	MDL	Units
			Total Concentration:			**21,254.10**			
Client ID:	**SB-08-10-11DL**								
C1640-21DL	SB-08-10-11DL	SOIL	cis-1,2-Dichloroethene		140.00	JD	630	44	ug/Kg
C1640-21DL	SB-08-10-11DL	SOIL	Methylcyclohexane		2,400.00	D	630	85	ug/Kg
C1640-21DL	SB-08-10-11DL	SOIL	Tetrachloroethene		930.00	D	630	34	ug/Kg
C1640-21DL	SB-08-10-11DL	SOIL	Ethyl Benzene		580.00	JD	630	67	ug/Kg
C1640-21DL	SB-08-10-11DL	SOIL	Isopropylbenzene		7,800.00	D	630	56	ug/Kg
			Total Voc :			**11,850.00**			
			Total Concentration:			**11,850.00**			
Client ID:	**SB-08-GW-13**								
C1640-11	SB-08-GW-13	WATER	Vinyl Chloride		1.60		1.0	0.34	ug/L
C1640-11	SB-08-GW-13	WATER	Acetone		8.70		5.0	0.50	ug/L
C1640-11	SB-08-GW-13	WATER	Carbon Disulfide		0.96	J	1.0	0.20	ug/L
C1640-11	SB-08-GW-13	WATER	Cyclohexane		0.85	J	1.0	0.20	ug/L
C1640-11	SB-08-GW-13	WATER	cis-1,2-Dichloroethene		5.30		1.0	0.35	ug/L
C1640-11	SB-08-GW-13	WATER	Methylcyclohexane		5.10		1.0	0.20	ug/L
C1640-11	SB-08-GW-13	WATER	Benzene		1.80		1.0	0.32	ug/L
C1640-11	SB-08-GW-13	WATER	Tetrachloroethene		11.00		1.0	0.27	ug/L
C1640-11	SB-08-GW-13	WATER	Ethyl Benzene		1.00		1.0	0.20	ug/L
C1640-11	SB-08-GW-13	WATER	Isopropylbenzene		13.00		1.0	0.45	ug/L
C1640-11	SB-08-GW-13	WATER	1,2-Dichlorobenzene		0.62	J	1.0	0.45	ug/L
			Total Voc :			**49.93**			
C1640-11	SB-08-GW-13	WATER	n-propylbenzene	*	24.00	J	1.0	0.45	ug/L
C1640-11	SB-08-GW-13	WATER	tert-Butylbenzene	*	6.10	J	1.0	0.44	ug/L
C1640-11	SB-08-GW-13	WATER	1,2,4-Trimethylbenzene	*	9.20	J	1.0	0.38	ug/L
C1640-11	SB-08-GW-13	WATER	sec-Butylbenzene	*	17.00	J	1.0	0.46	ug/L
C1640-11	SB-08-GW-13	WATER	p-Isopropyltoluene	*	3.10	J	1.0	0.43	ug/L
C1640-11	SB-08-GW-13	WATER	n-Butylbenzene	*	14.00	J	1.0	0.41	ug/L
C1640-11	SB-08-GW-13	WATER	Naphthalene	*	4.80	J	1.0	0.20	ug/L
C1640-11	SB-08-GW-13	WATER	Benzene, 1,2,4,5-tetramethyl-	*	44.00	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	Benzene, 1-methyl-4-(1-methylet	*	17.00	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	Benzene, 1,2,3,4-tetramethyl-	*	53.00	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	Benzene, 1-methyl-2-(1-methylet	*	67.00	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	Benzene, 1-methyl-3-(1-methylet	*	34.00	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	Benzene, 1-propenyl-	*	110.00	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	Indan, 1-methyl-	*	16.00	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	Benzene, 1-ethyl-3,5-dimethyl-	*	16.00	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	Cyclohexane, propyl-	*	15.00	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	Benzene, 1-ethenyl-3-ethyl-	*	72.00	J	0	0	ug/L

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
			Total Tics :			**522.20**			
			Total Concentration:			**572.13**			
Client ID:	**SB-08-GW-25**								
C1640-12	SB-08-GW-25	WATER	Vinyl Chloride		2.10		1.0	0.34	ug/L
C1640-12	SB-08-GW-25	WATER	cis-1,2-Dichloroethene		9.00		1.0	0.35	ug/L
C1640-12	SB-08-GW-25	WATER	Trichloroethene		4.10		1.0	0.28	ug/L
C1640-12	SB-08-GW-25	WATER	Tetrachloroethene		32.00		1.0	0.27	ug/L
			Total Voc :			**47.20**			
			Total Concentration:			**47.20**			
Client ID:	**SB-09-9-10**								
C1640-13	SB-09-9-10	SOIL	Acetone		68.00		32	3.8	ug/Kg
C1640-13	SB-09-9-10	SOIL	2-Butanone		20.00	J	32	3.9	ug/Kg
C1640-13	SB-09-9-10	SOIL	Methylcyclohexane		2.80	J	6.3	1.3	ug/Kg
C1640-13	SB-09-9-10	SOIL	Isopropylbenzene		34.00		6.3	0.61	ug/Kg
			Total Voc :			**124.80**			
C1640-13	SB-09-9-10	SOIL	n-propylbenzene	*	69.00	J	6.3	0.46	ug/Kg
C1640-13	SB-09-9-10	SOIL	tert-Butylbenzene	*	6.20	J	6.3	0.75	ug/Kg
C1640-13	SB-09-9-10	SOIL	sec-Butylbenzene	*	35.00	J	6.3	0.66	ug/Kg
C1640-13	SB-09-9-10	SOIL	n-Butylbenzene	*	26.00	J	6.3	0.58	ug/Kg
C1640-13	SB-09-9-10	SOIL	Benzene, 1,4-diethyl-	*	48.00	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	Benzene, 1,2-diethyl-	*	130.00	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	Benzene, 1,3-diethyl-	*	74.00	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	Benzene, 1-ethyl-2,4-dimethyl-	*	130.00	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	Cyclohexane, propyl-	*	72.00	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	Cyclohexane, butyl-	*	150.00	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	Decane, 4-methyl-	*	160.00	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	2-Octene, 2,6-dimethyl-	*	56.00	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	1H-Indene, octahydro-, cis-	*	60.00	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	Benzene, 1-ethenyl-3-ethyl-	*	56.00	J	0	0	ug/Kg
			Total Tics :			**1,072.20**			
			Total Concentration:			**1,197.00**			
Client ID:	**SB-09-GW-13**								
C1640-14	SB-09-GW-13	WATER	Vinyl Chloride		2.00		1.0	0.34	ug/L
C1640-14	SB-09-GW-13	WATER	cis-1,2-Dichloroethene		8.10		1.0	0.35	ug/L
C1640-14	SB-09-GW-13	WATER	Trichloroethene		6.40		1.0	0.28	ug/L
C1640-14	SB-09-GW-13	WATER	Tetrachloroethene		25.00		1.0	0.27	ug/L
C1640-14	SB-09-GW-13	WATER	Isopropylbenzene		6.60		1.0	0.45	ug/L
			Total Voc :			**48.10**			
C1640-14	SB-09-GW-13	WATER	n-propylbenzene	*	11.00	J	1.0	0.45	ug/L
C1640-14	SB-09-GW-13	WATER	tert-Butylbenzene	*	2.00	J	1.0	0.44	ug/L

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter	Concentration		C	RDL	MDL	Units
C1640-14	SB-09-GW-13	WATER	sec-Butylbenzene	* 10.00		J	1.0	0.46	ug/L
C1640-14	SB-09-GW-13	WATER	n-Butylbenzene	* 9.10		J	1.0	0.41	ug/L
C1640-14	SB-09-GW-13	WATER	Benzene, 1,2,4,5-tetramethyl-	* 19.00		J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	Benzene, 1,2-diethyl-	* 11.00		J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	Benzene, 1-methyl-2-(1-methylet	* 18.00		J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	Benzene, 1-ethenyl-4-methyl-	* 26.00		J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	Cyclohexane, (1-methylethyl)-	* 13.00		J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	Benzene, (2-methyl-1-propenyl)-	* 21.00		J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	Benzene, 1-ethyl-2,4-dimethyl-	* 27.00		J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	Benzene, 2-ethyl-1,4-dimethyl-	* 12.00		J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	1-Ethyl-4-methylcyclohexane	* 9.60		J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	1H-Indene, octahydro-, cis-	* 12.00		J	0	0	ug/L
			Total Tics :			**200.70**			
			Total Concentration:			**248.80**			
Client ID:	**SB-09-GW-25**								
C1640-15	SB-09-GW-25	WATER	Methyl tert-butyl Ether	0.92		J	1.0	0.35	ug/L
C1640-15	SB-09-GW-25	WATER	cis-1,2-Dichloroethene	0.58		J	1.0	0.35	ug/L
			Total Voc :			**1.50**			
			Total Concentration:			**1.50**			
Client ID:	**SB-10-10-11**								
C1640-16	SB-10-10-11	SOIL	Acetone	39.00			31	3.7	ug/Kg
C1640-16	SB-10-10-11	SOIL	2-Butanone	16.00		J	31	3.8	ug/Kg
C1640-16	SB-10-10-11	SOIL	cis-1,2-Dichloroethene	2.20		J	6.1	1.1	ug/Kg
C1640-16	SB-10-10-11	SOIL	Methylcyclohexane	150.00		E	6.1	1.3	ug/Kg
C1640-16	SB-10-10-11	SOIL	Trichloroethene	1.70		J	6.1	1.1	ug/Kg
C1640-16	SB-10-10-11	SOIL	Toluene	1.70		J	6.1	0.78	ug/Kg
C1640-16	SB-10-10-11	SOIL	Tetrachloroethene	63.00			6.1	1.2	ug/Kg
C1640-16	SB-10-10-11	SOIL	Isopropylbenzene	220.00		E	6.1	0.59	ug/Kg
			Total Voc :			**493.60**			
C1640-16	SB-10-10-11	SOIL	n-propylbenzene	* 300.00		J	6.1	0.44	ug/Kg
C1640-16	SB-10-10-11	SOIL	tert-Butylbenzene	* 59.00		J	6.1	0.72	ug/Kg
C1640-16	SB-10-10-11	SOIL	sec-Butylbenzene	* 590.00		J	6.1	0.64	ug/Kg
C1640-16	SB-10-10-11	SOIL	n-Butylbenzene	* 430.00		J	6.1	0.56	ug/Kg
C1640-16	SB-10-10-11	SOIL	Naphthalene	* 6.00		J	6.1	0.55	ug/Kg
C1640-16	SB-10-10-11	SOIL	unknown4.16	* 48.00		J	0	0	ug/Kg
C1640-16	SB-10-10-11	SOIL	unknown5.23	* 36.00		J	0	0	ug/Kg
C1640-16	SB-10-10-11	SOIL	Benzene, 1,2,4,5-tetramethyl-	* 7.00		J	0	0	ug/Kg
C1640-16	SB-10-10-11	SOIL	Heptane, 4-methyl-	* 58.00		J	0	0	ug/Kg
C1640-16	SB-10-10-11	SOIL	1,3-Dimethylcyclohexane,c&t	* 92.00		J	0	0	ug/Kg

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	RDL	MDL	Units
C1640-16	SB-10-10-11	SOIL	Benzene, 2-ethyl-1,4-dimethyl-	*	61.00	J	0	0	ug/Kg
C1640-16	SB-10-10-11	SOIL	Cyclohexane, 1-ethyl-4-methyl-,	*	61.00	J	0	0	ug/Kg
			Total Tics :			**1,748.00**			
			Total Concentration:			**2,241.60**			
Client ID:	**SB-10-10-11DL**								
C1640-16DL	SB-10-10-11DL	SOIL	Methylcyclohexane		240.00	JD	600	82	ug/Kg
C1640-16DL	SB-10-10-11DL	SOIL	Isopropylbenzene		620.00	D	600	54	ug/Kg
			Total Voc :			**860.00**			
			Total Concentration:			**860.00**			
Client ID:	**SB-10-GW-13**								
C1640-17	SB-10-GW-13	WATER	Cyclohexane		1.30		1.0	0.20	ug/L
C1640-17	SB-10-GW-13	WATER	cis-1,2-Dichloroethene		1.00		1.0	0.35	ug/L
C1640-17	SB-10-GW-13	WATER	Methylcyclohexane		8.70		1.0	0.20	ug/L
C1640-17	SB-10-GW-13	WATER	Benzene		3.30		1.0	0.32	ug/L
C1640-17	SB-10-GW-13	WATER	Ethyl Benzene		1.30		1.0	0.20	ug/L
C1640-17	SB-10-GW-13	WATER	Isopropylbenzene		100.00	E	1.0	0.45	ug/L
C1640-17	SB-10-GW-13	WATER	1,4-Dichlorobenzene		0.73	J	1.0	0.32	ug/L
C1640-17	SB-10-GW-13	WATER	1,2-Dichlorobenzene		0.73	J	1.0	0.45	ug/L
			Total Voc :			**117.06**			
C1640-17	SB-10-GW-13	WATER	n-propylbenzene	*	140.00	J	1.0	0.45	ug/L
C1640-17	SB-10-GW-13	WATER	tert-Butylbenzene	*	16.00	J	1.0	0.44	ug/L
C1640-17	SB-10-GW-13	WATER	sec-Butylbenzene	*	88.00	J	1.0	0.46	ug/L
C1640-17	SB-10-GW-13	WATER	n-Butylbenzene	*	60.00	J	1.0	0.41	ug/L
C1640-17	SB-10-GW-13	WATER	Naphthalene	*	5.20	J	1.0	0.20	ug/L
C1640-17	SB-10-GW-13	WATER	Benzene, 1,2,4,5-tetramethyl-	*	130.00	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	Benzene, 1-methyl-2-(1-methylet	*	330.00	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	Benzene, 1-propenyl-	*	350.00	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	Benzene, 1-ethyl-2,4-dimethyl-	*	130.00	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	Benzene, 1-ethyl-2,3-dimethyl-	*	250.00	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	Octane, 2,6-dimethyl-	*	80.00	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	2-Octene, 2,6-dimethyl-	*	120.00	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	Benzene, (1-ethyl-1-propenyl)-	*	84.00	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	Octane, 3-ethyl-	*	180.00	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	Benzene, 1-ethenyl-3-ethyl-	*	230.00	J	0	0	ug/L
			Total Tics :			**2,193.20**			
			Total Concentration:			**2,310.26**			
Client ID:	**SB-10-GW-13DL**								
C1640-17DL	SB-10-GW-13DL	WATER	Methylcyclohexane		9.40	D	5.0	1.0	ug/L
C1640-17DL	SB-10-GW-13DL	WATER	Benzene		6.00	D	5.0	1.6	ug/L
C1640-17DL	SB-10-GW-13DL	WATER	Isopropylbenzene		170.00	D	5.0	2.2	ug/L

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
			Total Voc :			**185.40**			
			Total Concentration:			**185.40**			
Client ID:	**SB-10-GW-25**								
C1640-18	SB-10-GW-25	WATER	Vinyl Chloride		1.70		1.0	0.34	ug/L
C1640-18	SB-10-GW-25	WATER	Methyl tert-butyl Ether		0.52	J	1.0	0.35	ug/L
C1640-18	SB-10-GW-25	WATER	cis-1,2-Dichloroethene		4.20		1.0	0.35	ug/L
			Total Voc :			**6.42**			
C1640-18	SB-10-GW-25	WATER	n-propylbenzene	*	0.64	J	1.0	0.45	ug/L
C1640-18	SB-10-GW-25	WATER	sec-Butylbenzene	*	0.57	J	1.0	0.46	ug/L
			Total Tics :			**1.21**			
			Total Concentration:			**7.63**			

CHEMTECH

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **CASE No.:** C1640 **SAS No.:** C1640 **SDG NO.:** C1640

Level: (low/med) MED **Analytical Method:** EPA SW846 8260 - MED

	Lab Sample ID.	Client Sample NO.	SMC1 (DCE) #	SMC2 (DBFM) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBE0329M1	VBE0329M1	118	124	104	101	0
02	BSE0329M1	BSE0329M1	101	108	92	93	0
03	C1640-21DL	SB-08-10-11DL	85	93	82	87	0
04	VBE0330M1	VBE0330M1	97	100	83	82	0
05	BSE0330M1	BSE0330M1	95	103	86	89	0
06	C1640-16DL	SB-10-10-11DL	100	104	96	96	0
07	C1640-16MS	SB-10-10-11MS	68	76	73	72	0
08	C1640-16MSD	SB-10-10-11MSD	73	79	75	77	0

	QC LIMITS
SMC1 (DCE) = 1,2-Dichloroethane-d4	(55-158)
SMC2 (DBFM) =Dibromofluoromethane	(53-156)
SMC3 (TOL) =Toluene-d8	(68-122)
SMC4 (BFB) =4-Bromofluorobenzene	(25-144)

Column to be used to flag recovery values
* Values outside of contract required QC Limits

CHEMTECH

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **CASE No.:** C1640 **SAS No.:** C1640 **SDG NO.:** C1640

Analytical Method: EPA SW846 8260

	Lab Sample ID.	Client Sample NO.	SMC1 (DCE) #	SMC2 (DBFM) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBF0325W1	VBF0325W1	99	99	100	94	0
02	BSF0325W1	BSF0325W1	94	92	84	89	0
03	C1640-01	PZ-3	93	94	85	93	0
04	C1640-02	PZ-X	95	115	103	114	0
05	C1640-06	PZ-6	107	107	95	105	0

	QC LIMITS
SMC1 (DCE) = 1,2-Dichloroethane-d4	(66-150)
SMC2 (DBFM) =Dibromofluoromethane	(76-130)
SMC3 (TOL) =Toluene-d8	(78-121)
SMC4 (BFB) =4-Bromofluorobenzene	(70-131)

Column to be used to flag recovery values
* Values outside of contract required QC Limits

CHEMTECH

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **CASE No.:** C1640 **SAS No.:** C1640 **SDG NO.:** C1640

Analytical Method: EPA SW846 8260

	Lab Sample ID.	Client Sample NO.	SMC1 (DCE) #	SMC2 (DBFM) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBF0329W1	VBF0329W1	93	104	99	98	0
02	BSF0329W1	BSF0329W1	91	99	100	98	0
03	C1640-20	TRIPBLANK	112	113	105	102	0
04	C1640-03	PZ-5	111	111	98	98	0
05	C1640-04MS	PZ-5MS	110	99	100	100	0
06	C1640-05MSD	PZ-5MSD	106	104	103	96	0
07	C1640-19	PZ-4R	130	122	107	110	0
08	C1640-08	SB-07-GW-13	106	113	92	97	0
09	C1640-09	SB-07-GW-25	116	122	97	102	0
10	C1640-11	SB-08-GW-13	118	117	101	102	0
11	C1640-12	SB-08-GW-25	93	103	87	88	0
12	C1640-14	SB-09-GW-13	97	103	87	87	0
13	C1640-15	SB-09-GW-25	104	116	97	94	0
14	VBF0330W1	VBF0330W1	92	102	97	94	0
15	BSF0330W1	BSF0330W1	97	104	102	100	0
16	C1640-17	SB-10-GW-13	108	111	98	99	0
17	C1640-18	SB-10-GW-25	86	106	99	98	0
18	C1640-17DL	SB-10-GW-13DL	82	100	88	86	0

	QC LIMITS
SMC1 (DCE) = 1,2-Dichloroethane-d4	(66-150)
SMC2 (DBFM) =Dibromofluoromethane	(76-130)
SMC3 (TOL) =Toluene-d8	(78-121)
SMC4 (BFB) =4-Bromofluorobenzene	(70-131)

Column to be used to flag recovery values
* Values outside of contract required QC Limits

CHEMTECH

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **CASE No.:** C1640 **SAS No.:** C1640 **SDG NO.:** C1640

Level: (low/med) LOW **Analytical Method:** EPA SW846 8260

	Lab Sample ID.	Client Sample NO.	SMC1 (DCE) #	SMC2 (DBFM) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBK0328S1	VBK0328S1	96	105	104	102	0
02	BSK0328S1	BSK0328S1	93	96	95	92	0
03	C1640-07	SB-07-10-11	93	96	102	102	0
04	C1640-13	SB-09-9-10	92	93	104	115	0
05	C1640-21	SB-08-10-11	83	87	110	797 *	1
06	VBK0330S1	VBK0330S1	95	103	102	101	0
07	BSK0330S1	BSK0330S1	94	92	94	91	0
08	C1640-16	SB-10-10-11	91	95	116	525 *	1

	QC LIMITS
SMC1 (DCE) = 1,2-Dichloroethane-d4	(55-158)
SMC2 (DBFM) =Dibromofluoromethane	(53-156)
SMC3 (TOL) =Toluene-d8	(68-122)
SMC4 (BFB) =4-Bromofluorobenzene	(25-144)

Column to be used to flag recovery values
* Values outside of contract required QC Limits

CHEMTECH

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C1640 **SAS No :** C1640 **SDG No:** C1640

Matrix Spike - EPA Sample No : C1640-04 **Analytical Method:** EPA SW846 8260 **Datafile :** VF026222.D

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMITS REC
Dichlorodifluoromethane	50	0	50	100	(24-175)
Chloromethane	50	0	53	106	(29-190)
Vinyl Chloride	50	0	49	98	(39-171)
Bromomethane	50	0	50	100	(34-167)
Chloroethane	50	0	51	102	(38-170)
Trichlorofluoromethane	50	0	50	100	(38-171)
1,1,2-Trichlorotrifluoroethane	50	0	50	100	(47-152)
1,1-Dichloroethene	50	0	49	98	(47-149)
Acetone	250	0	140	56	(28-181)
Carbon Disulfide	50	0	42	84	(34-160)
Methyl tert-butyl Ether	50	0	54	108	(39-166)
Methyl Acetate	50	0	43	86	(29-176)
Methylene Chloride	50	0	51	102	(48-149)
trans-1,2-Dichloroethene	50	0	47	94	(53-143)
1,1-Dichloroethane	50	0	54	108	(57-150)
Cyclohexane	50	0	47	94	(42-159)
2-Butanone	250	0	220	88	(47-160)
Carbon Tetrachloride	50	0	49	98	(38-158)
cis-1,2-Dichloroethene	50	0	51	102	(41-160)
Chloroform	50	0	55	110	(56-152)
1,1,1-Trichloroethane	50	0	53	106	(57-148)
Methylcyclohexane	50	0	49	98	(41-152)
Benzene	50	0	48	96	(59-140)
1,2-Dichloroethane	50	0	51	102	(56-151)
Trichloroethene	50	0	46	92	(49-146)
1,2-Dichloropropane	50	0	49	98	(63-140)
Bromodichloromethane	50	0	50	100	(60-144)
4-Methyl-2-Pentanone	250	0	260	104	(51-160)
Toluene	50	0.7	50	99	(60-139)
t-1,3-Dichloropropene	50	0	50	100	(51-148)
cis-1,3-Dichloropropene	50	0	51	102	(53-143)
1,1,2-Trichloroethane	50	0	50	100	(65-138)
2-Hexanone	250	0	240	96	(44-170)

Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 0 Out of 0 outside limits

Spike Recovery : 6 Out of 90 outside limits

CHEMTECH

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C1640 **SAS No :** C1640 **SDG No:** C1640

Matrix Spike - EPA Sample No : C1640-04 **Analytical Method:** EPA SW846 8260 **Datafile :** VF026222.D

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMITS REC
Dibromochloromethane	50	0	48	96	(56-146)
1,2-Dibromoethane	50	0	51	102	(63-142)
Tetrachloroethene	50	0	47	94	(23-148)
Chlorobenzene	50	0	48	96	(57-136)
Ethyl Benzene	50	0	48	96	(49-146)
m/p-Xylenes	100	0	97	97	(51-140)
o-Xylene	50	0	51	102	(54-139)
Styrene	50	0	47	94	(48-141)
Bromoform	50	0	42	84	(48-141)
Isopropylbenzene	50	0	44	88	(48-143)
1,1,2,2-Tetrachloroethane	50	0	49	98	(52-151)
1,3-Dichlorobenzene	50	0	46	92	(63-129)
1,4-Dichlorobenzene	50	0	47	94	(57-134)
1,2-Dichlorobenzene	50	0	47	94	(57-136)
1,2-Dibromo-3-Chloropropane	50	0	41	82	(46-157)
1,2,4-Trichlorobenzene	50	0	43	86	(53-137)

Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 0 Out of 0 outside limits

Spike Recovery : 6 Out of 90 outside limits

CHEMTECH

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C1640 **SAS No :** C1640 **SDG No:** C1640

Matrix Spike - EPA Sample No : C1640-05 **Analytical Method:** EPA SW846 8260 **Datafile :** VF026223.D

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % (ug/L)	MSD %	QC LIMITS RPD	QC LIMITS REC
Dichlorodifluoromethane	50	49	98	2	20	(24-175)
Chloromethane	50	51	102	4	20	(29-190)
Vinyl Chloride	50	48	96	2	20	(39-171)
Bromomethane	50	43	86	15	20	(34-167)
Chloroethane	50	42	84	19	20	(38-170)
Trichlorofluoromethane	50	46	92	8	20	(38-171)
1,1,2-Trichlorotrifluoroethane	50	51	102	2	20	(47-152)
1,1-Dichloroethene	50	51	102	4	20	(47-149)
Acetone	250	190	76	30*	20	(28-181)
Carbon Disulfide	50	40	80	5	20	(34-160)
Methyl tert-butyl Ether	50	56	112	4	20	(39-166)
Methyl Acetate	50	44	88	2	20	(29-176)
Methylene Chloride	50	52	104	2	20	(48-149)
trans-1,2-Dichloroethene	50	50	100	6	20	(53-143)
1,1-Dichloroethane	50	52	104	4	20	(57-150)
Cyclohexane	50	48	96	2	20	(42-159)
2-Butanone	250	280	112	24*	20	(47-160)
Carbon Tetrachloride	50	50	100	2	20	(38-158)
cis-1,2-Dichloroethene	50	53	106	4	20	(41-160)
Chloroform	50	53	106	4	20	(56-152)
1,1,1-Trichloroethane	50	51	102	4	20	(57-148)
Methylcyclohexane	50	49	98	0	20	(41-152)
Benzene	50	50	100	4	20	(59-140)
1,2-Dichloroethane	50	49	98	4	20	(56-151)
Trichloroethene	50	48	96	4	20	(49-146)
1,2-Dichloropropane	50	49	98	0	20	(63-140)
Bromodichloromethane	50	49	98	2	20	(60-144)
4-Methyl-2-Pentanone	250	270	108	4	20	(51-160)
Toluene	50	51	101	2	20	(60-139)
t-1,3-Dichloropropene	50	50	100	0	20	(51-148)
cis-1,3-Dichloropropene	50	50	100	2	20	(53-143)
1,1,2-Trichloroethane	50	50	100	0	20	(65-138)
2-Hexanone	250	250	100	4	20	(44-170)

Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 5 Out of 90 outside limits

Spike Recovery : 11 Out of 180 outside limits

CHEMTECH

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C1640 **SAS No :** C1640 **SDG No:** C1640

Matrix Spike - EPA Sample No : C1640-05 **Analytical Method:** EPA SW846 8260 **Datafile :** VF026223.D

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % (ug/L)	%	QC LIMITS RPD	REC
Dibromochloromethane	50	47	94	2	20	(56-146)
1,2-Dibromoethane	50	51	102	0	20	(63-142)
Tetrachloroethene	50	49	98	4	20	(23-148)
Chlorobenzene	50	49	98	2	20	(57-136)
Ethyl Benzene	50	50	100	4	20	(49-146)
m/p-Xylenes	100	98	98	1	20	(51-140)
o-Xylene	50	51	102	0	20	(54-139)
Styrene	50	47	94	0	20	(48-141)
Bromoform	50	44	88	5	20	(48-141)
Isopropylbenzene	50	45	90	2	20	(48-143)
1,1,2,2-Tetrachloroethane	50	53	106	8	20	(52-151)
1,3-Dichlorobenzene	50	48	96	4	20	(63-129)
1,4-Dichlorobenzene	50	45	90	4	20	(57-134)
1,2-Dichlorobenzene	50	49	98	4	20	(57-136)
1,2-Dibromo-3-Chloropropane	50	45	90	9	20	(46-157)
1,2,4-Trichlorobenzene	50	49	98	13	20	(53-137)

Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 5 Out of 90 outside limits

Spike Recovery : 11 Out of 180 outside limits

CHEMTECH

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C1640 **SAS No :** C1640 **SDG No:** C1640

Matrix Spike - EPA Sample No : C1640-16 **Analytical Method:** EPA SW846 8260 - MED **Datafile :** VE021469.D

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Dichlorodifluoromethane	6049	0	5300	88	(42-151)
Chloromethane	6049	0	5800	96	(43-150)
Vinyl Chloride	6049	0	5600	93	(48-144)
Bromomethane	6049	0	970	16*	(40-154)
Chloroethane	6049	0	1400	23*	(39-165)
Trichlorofluoromethane	6049	0	2100	35*	(46-159)
1,1,2-Trichlorotrifluoroethane	6049	0	4600	76	(59-140)
1,1-Dichloroethene	6049	0	5300	88	(64-143)
Acetone	30246	0	24000	79	(31-158)
Carbon Disulfide	6049	0	6000	99	(42-144)
Methyl tert-butyl Ether	6049	0	5500	91	(56-146)
Methyl Acetate	6049	0	9000	149	(16-205)
Methylene Chloride	6049	0	5700	94	(51-144)
trans-1,2-Dichloroethene	6049	0	5500	91	(60-135)
1,1-Dichloroethane	6049	0	5800	96	(62-143)
Cyclohexane	6049	0	5800	96	(51-136)
2-Butanone	30246	0	29000	96	(40-157)
Carbon Tetrachloride	6049	0	4800	79	(63-135)
cis-1,2-Dichloroethene	6049	0	5700	94	(62-133)
Chloroform	6049	0	5600	93	(66-138)
1,1,1-Trichloroethane	6049	0	5100	84	(64-139)
Methylcyclohexane	6049	240	6700	107	(43-133)
Benzene	6049	0	5800	96	(68-128)
1,2-Dichloroethane	6049	0	5700	94	(64-139)
Trichloroethene	6049	0	5400	89	(49-150)
1,2-Dichloropropane	6049	0	5800	96	(68-131)
Bromodichloromethane	6049	0	5600	93	(69-132)
4-Methyl-2-Pentanone	30246	0	28000	93	(53-150)
Toluene	6049	0	5600	93	(67-127)
t-1,3-Dichloropropene	6049	0	5800	96	(63-129)
cis-1,3-Dichloropropene	6049	0	5600	93	(66-126)
1,1,2-Trichloroethane	6049	0	5500	91	(67-132)
2-Hexanone	30246	0	28000	93	(44-170)

Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 0 Out of 0 outside limits

Spike Recovery : 8 Out of 85 outside limits

CHEMTECH

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C1640 **SAS No :** C1640 **SDG No:** C1640

Matrix Spike - EPA Sample No : C1640-16 **Analytical Method:** EPA SW846 8260 - MED **Datafile :** VE021469.D

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Dibromochloromethane	6049	0	6200	102	(65-131)
1,2-Dibromoethane	6049	0	5200	86	(63-129)
Tetrachloroethene	6049	0	6800	112	(33-170)
Chlorobenzene	6049	0	5900	98	(71-126)
Ethyl Benzene	6049	0	5900	98	(65-134)
m/p-Xylenes	12098	0	11000	91	(65-131)
o-Xylene	6049	0	5900	98	(62-134)
Styrene	6049	0	6000	99	(60-131)
Bromoform	6049	0	6100	101	(62-140)
Isopropylbenzene	6049	620	6900	104	(51-159)
1,1,2,2-Tetrachloroethane	6049	0	8700	144	(33-184)
1,3-Dichlorobenzene	6049	0	6000	99	(70-125)
1,4-Dichlorobenzene	6049	0	5800	96	(69-124)
1,2-Dichlorobenzene	6049	0	5800	96	(67-128)
1,2-Dibromo-3-Chloropropane	6049	0	7000	116	(44-163)
1,2,4-Trichlorobenzene	6049	0	5600	93	(53-137)

Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 0 Out of 0 outside limits

Spike Recovery : 8 Out of 85 outside limits

CHEMTECH

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C1640 **SAS No :** C1640 **SDG No:** C1640

Matrix Spike - EPA Sample No : C1640-16 **Analytical Method:** EPA SW846 8260 - MED **Datafile :** VE021470.D

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % (ug/Kg)	MSD %	QC LIMITS RPD	QC LIMITS REC
Dichlorodifluoromethane	6049	6000	99	12	20	(42-151)
Chloromethane	6049	6700	111	14	20	(43-150)
Vinyl Chloride	6049	6500	107	14	20	(48-144)
Bromomethane	6049	1300	21*	27*	20	(40-154)
Chloroethane	6049	1700	28*	20	20	(39-165)
Trichlorofluoromethane	6049	2300	38*	8	20	(46-159)
1,1,2-Trichlorotrifluoroethane	6049	5200	86	12	20	(59-140)
1,1-Dichloroethene	6049	6000	99	12	20	(64-143)
Acetone	30246	28000	93	16	20	(31-158)
Carbon Disulfide	6049	6800	112	12	20	(42-144)
Methyl tert-butyl Ether	6049	6300	104	13	20	(56-146)
Methyl Acetate	6049	9500	157	5	20	(16-205)
Methylene Chloride	6049	6100	101	7	20	(51-144)
trans-1,2-Dichloroethene	6049	6200	102	11	20	(60-135)
1,1-Dichloroethane	6049	6600	109	13	20	(62-143)
Cyclohexane	6049	6700	111	14	20	(51-136)
2-Butanone	30246	33000	109	13	20	(40-157)
Carbon Tetrachloride	6049	5700	94	17	20	(63-135)
cis-1,2-Dichloroethene	6049	6400	106	12	20	(62-133)
Chloroform	6049	6300	104	11	20	(66-138)
1,1,1-Trichloroethane	6049	5800	96	13	20	(64-139)
Methylcyclohexane	6049	7800	125	16	20	(43-133)
Benzene	6049	6600	109	13	20	(68-128)
1,2-Dichloroethane	6049	6200	102	8	20	(64-139)
Trichloroethene	6049	6000	99	11	20	(49-150)
1,2-Dichloropropane	6049	6500	107	11	20	(68-131)
Bromodichloromethane	6049	6300	104	11	20	(69-132)
4-Methyl-2-Pentanone	30246	31000	102	9	20	(53-150)
Toluene	6049	6200	102	9	20	(67-127)
t-1,3-Dichloropropene	6049	6600	109	13	20	(63-129)
cis-1,3-Dichloropropene	6049	6400	106	13	20	(66-126)
1,1,2-Trichloroethane	6049	6100	101	10	20	(67-132)
2-Hexanone	30246	31000	102	9	20	(44-170)

Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 5 Out of 85 outside limits

Spike Recovery : 16 Out of 170 outside limits

CHEMTECH

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C1640 **SAS No :** C1640 **SDG No:** C1640

Matrix Spike - EPA Sample No : C1640-16 **Analytical Method:** EPA SW846 8260 - MED **Datafile :** VE021470.D

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % (ug/Kg)	%	QC LIMITS RPD	REC
Dibromochloromethane	6049	7000	116	13	20	(65-131)
1,2-Dibromoethane	6049	5900	98	13	20	(63-129)
Tetrachloroethene	6049	7900	131	16	20	(33-170)
Chlorobenzene	6049	6700	111	12	20	(71-126)
Ethyl Benzene	6049	6700	111	12	20	(65-134)
m/p-Xylenes	12098	13000	107	16	20	(65-131)
o-Xylene	6049	6800	112	13	20	(62-134)
Styrene	6049	6900	114	14	20	(60-131)
Bromoform	6049	6900	114	12	20	(62-140)
Isopropylbenzene	6049	8000	122	16	20	(51-159)
1,1,2,2-Tetrachloroethane	6049	9900	164	13	20	(33-184)
1,3-Dichlorobenzene	6049	6800	112	12	20	(70-125)
1,4-Dichlorobenzene	6049	6600	109	13	20	(69-124)
1,2-Dichlorobenzene	6049	6500	107	11	20	(67-128)
1,2-Dibromo-3-Chloropropane	6049	7900	131	12	20	(44-163)
1,2,4-Trichlorobenzene	6049	6700	111	18	20	(53-137)

Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 5 Out of 85 outside limits

Spike Recovery : 16 Out of 170 outside limits

CHEMTECH

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C1640 **SAS No :** C1640 **SDG No:** C1640

Matrix Spike - EPA Sample No : BSE0329M1 **Analytical Method:** EPA SW846 8260 - MED **Datafile :** VE021447.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	2000		2400	120	(47-148)
Chloromethane	2000		1900	95	(56-145)
Vinyl Chloride	2000		2000	100	(60-138)
Bromomethane	2000		1800	90	(45-158)
Chloroethane	2000		2300	115	(42-161)
Trichlorofluoromethane	2000		2400	120	(55-146)
1,1,2-Trichlorotrifluoroethane	2000		2200	110	(65-134)
1,1-Dichloroethene	2000		2100	105	(65-136)
Acetone	10000		11000	110	(57-148)
Carbon Disulfide	2000		2100	105	(60-138)
Methyl tert-butyl Ether	2000		2100	105	(70-131)
Methyl Acetate	2000		2100	105	(44-187)
Methylene Chloride	2000		2000	100	(63-141)
trans-1,2-Dichloroethene	2000		2100	105	(73-130)
1,1-Dichloroethane	2000		2200	110	(74-133)
Cyclohexane	2000		2100	105	(66-132)
2-Butanone	10000		11000	110	(52-153)
Carbon Tetrachloride	2000		2700	135*	(74-122)
cis-1,2-Dichloroethene	2000		2100	105	(75-129)
Chloroform	2000		2200	110	(75-135)
1,1,1-Trichloroethane	2000		2300	115	(75-128)
Methylcyclohexane	2000		1900	95	(71-124)
Benzene	2000		2200	110	(79-122)
1,2-Dichloroethane	2000		2600	130	(75-132)
Trichloroethene	2000		2000	100	(77-120)
1,2-Dichloropropane	2000		2200	110	(76-127)
Bromodichloromethane	2000		2400	120	(77-124)
4-Methyl-2-Pentanone	10000		11000	110	(70-141)
Toluene	2000		2100	105	(78-121)
t-1,3-Dichloropropene	2000		2200	110	(76-127)
cis-1,3-Dichloropropene	2000		2100	105	(79-122)
1,1,2-Trichloroethane	2000		2100	105	(76-127)
2-Hexanone	10000		11000	110	(55-154)
Dibromochloromethane	2000		2200	110	(73-126)

Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 0 Out of 0 outside limits

Spike Recovery : 1 Out of 85 outside limits

Comments: _____

CHEMTECH

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C1640 **SAS No :** C1640 **SDG No:** C1640

Matrix Spike - EPA Sample No : BSE0329M1 **Analytical Method:** EPA SW846 8260 - MED **Datafile :** VE021447.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
1,2-Dibromoethane	2000		2100	105	(76-127)
Tetrachloroethene	2000		2100	105	(61-145)
Chlorobenzene	2000		2200	110	(79-120)
Ethyl Benzene	2000		2200	110	(77-120)
m/p-Xylenes	4000		4300	108	(78-120)
o-Xylene	2000		2200	110	(78-119)
Styrene	2000		2200	110	(80-119)
Bromoform	2000		2200	110	(71-125)
Isopropylbenzene	2000		2000	100	(77-124)
1,1,2,2-Tetrachloroethane	2000		2100	105	(77-130)
1,3-Dichlorobenzene	2000		2100	105	(82-121)
1,4-Dichlorobenzene	2000		2100	105	(82-118)
1,2-Dichlorobenzene	2000		2100	105	(81-122)
1,2-Dibromo-3-Chloropropane	2000		2300	115	(66-132)
1,2,4-Trichlorobenzene	2000		2000	100	(71-124)

Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 0 Out of 0 outside limits

Spike Recovery : 1 Out of 85 outside limits

Comments: _____

CHEMTECH

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C1640 **SAS No :** C1640 **SDG No:** C1640

Matrix Spike - EPA Sample No : BSE0330M1 **Analytical Method:** EPA SW846 8260 - MED **Datafile :** VE021464.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	2000		2200	110	(47-148)
Chloromethane	2000		1900	95	(56-145)
Vinyl Chloride	2000		2000	100	(60-138)
Bromomethane	2000		1700	85	(45-158)
Chloroethane	2000		2200	110	(42-161)
Trichlorofluoromethane	2000		2300	115	(55-146)
1,1,2-Trichlorotrifluoroethane	2000		2200	110	(65-134)
1,1-Dichloroethene	2000		2000	100	(65-136)
Acetone	10000		10000	100	(57-148)
Carbon Disulfide	2000		2000	100	(60-138)
Methyl tert-butyl Ether	2000		2000	100	(70-131)
Methyl Acetate	2000		2100	105	(44-187)
Methylene Chloride	2000		2000	100	(63-141)
trans-1,2-Dichloroethene	2000		2000	100	(73-130)
1,1-Dichloroethane	2000		2100	105	(74-133)
Cyclohexane	2000		2000	100	(66-132)
2-Butanone	10000		10000	100	(52-153)
Carbon Tetrachloride	2000		2700	135*	(74-122)
cis-1,2-Dichloroethene	2000		2000	100	(75-129)
Chloroform	2000		2200	110	(75-135)
1,1,1-Trichloroethane	2000		2200	110	(75-128)
Methylcyclohexane	2000		1700	85	(71-124)
Benzene	2000		2100	105	(79-122)
1,2-Dichloroethane	2000		2400	120	(75-132)
Trichloroethene	2000		1900	95	(77-120)
1,2-Dichloropropane	2000		2100	105	(76-127)
Bromodichloromethane	2000		2300	115	(77-124)
4-Methyl-2-Pentanone	10000		11000	110	(70-141)
Toluene	2000		2000	100	(78-121)
t-1,3-Dichloropropene	2000		2100	105	(76-127)
cis-1,3-Dichloropropene	2000		2000	100	(79-122)
1,1,2-Trichloroethane	2000		2100	105	(76-127)
2-Hexanone	10000		11000	110	(55-154)
Dibromochloromethane	2000		2100	105	(73-126)

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 1 Out of 85 outside limits

Comments: _____

CHEMTECH

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C1640 **SAS No :** C1640 **SDG No:** C1640

Matrix Spike - EPA Sample No : BSE0330M1 **Analytical Method:** EPA SW846 8260 - MED **Datafile :** VE021464.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
1,2-Dibromoethane	2000		2000	100	(76-127)
Tetrachloroethene	2000		2100	105	(61-145)
Chlorobenzene	2000		2100	105	(79-120)
Ethyl Benzene	2000		2100	105	(77-120)
m/p-Xylenes	4000		4100	103	(78-120)
o-Xylene	2000		2100	105	(78-119)
Styrene	2000		2100	105	(80-119)
Bromoform	2000		2200	110	(71-125)
Isopropylbenzene	2000		1900	95	(77-124)
1,1,2,2-Tetrachloroethane	2000		2000	100	(77-130)
1,3-Dichlorobenzene	2000		2000	100	(82-121)
1,4-Dichlorobenzene	2000		2000	100	(82-118)
1,2-Dichlorobenzene	2000		2000	100	(81-122)
1,2-Dibromo-3-Chloropropane	2000		2200	110	(66-132)
1,2,4-Trichlorobenzene	2000		1900	95	(71-124)

Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 0 Out of 0 outside limits

Spike Recovery : 1 Out of 85 outside limits

Comments: _____

CHEMTECH

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C1640 **SAS No :** C1640 **SDG No:** C1640

Matrix Spike - EPA Sample No : BSF0325W1 **Analytical Method:** EPA SW846 8260 **Datafile :** VF026104.D

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		18	90	(35-124)
Chloromethane	20		19	95	(37-148)
Vinyl Chloride	20		19	95	(45-144)
Bromomethane	20		18	90	(44-146)
Chloroethane	20		19	95	(46-148)
Trichlorofluoromethane	20		17	85	(56-137)
1,1,2-Trichlorotrifluoroethane	20		16	80	(52-142)
1,1-Dichloroethene	20		17	85	(57-135)
Acetone	100		97	97	(50-149)
Carbon Disulfide	20		16	80	(36-155)
Methyl tert-butyl Ether	20		17	85	(60-144)
Methyl Acetate	20		14	70	(51-158)
Methylene Chloride	20		18	90	(61-138)
trans-1,2-Dichloroethene	20		17	85	(59-137)
1,1-Dichloroethane	20		17	85	(64-142)
Cyclohexane	20		17	85	(56-141)
2-Butanone	100		79	79	(56-152)
Carbon Tetrachloride	20		19	95	(59-138)
cis-1,2-Dichloroethene	20		17	85	(64-137)
Chloroform	20		17	85	(67-138)
1,1,1-Trichloroethane	20		21	105	(65-132)
Methylcyclohexane	20		17	85	(56-137)
Benzene	20		17	85	(66-135)
1,2-Dichloroethane	20		17	85	(65-137)
Trichloroethene	20		17	85	(65-134)
1,2-Dichloropropane	20		15	75	(68-137)
Bromodichloromethane	20		15	75	(67-134)
4-Methyl-2-Pentanone	100		88	88	(63-146)
Toluene	20		15	75	(67-133)
t-1,3-Dichloropropene	20		15	75	(66-135)
cis-1,3-Dichloropropene	20		16	80	(66-132)
1,1,2-Trichloroethane	20		16	80	(67-136)
2-Hexanone	100		86	86	(56-153)
Dibromochloromethane	20		16	80	(64-137)

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 3 Out of 90 outside limits

Comments: _____

CHEMTECH

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C1640 **SAS No :** C1640 **SDG No:** C1640

Matrix Spike - EPA Sample No : BSF0325W1 **Analytical Method:** EPA SW846 8260 **Datafile :** VF026104.D

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
1,2-Dibromoethane	20		16	80	(66-137)
Tetrachloroethene	20		17	85	(37-178)
Chlorobenzene	20		17	85	(67-133)
Ethyl Benzene	20		17	85	(66-133)
m/p-Xylenes	40		36	90	(65-134)
o-Xylene	20		17	85	(65-134)
Styrene	20		18	90	(65-136)
Bromoform	20		17	85	(56-157)
Isopropylbenzene	20		18	90	(66-133)
1,1,2,2-Tetrachloroethane	20		16	80	(63-136)
1,3-Dichlorobenzene	20		16	80	(66-131)
1,4-Dichlorobenzene	20		16	80	(65-131)
1,2-Dichlorobenzene	20		16	80	(66-132)
1,2-Dibromo-3-Chloropropane	20		16	80	(54-141)
1,2,4-Trichlorobenzene	20		16	80	(61-133)

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 3 Out of 90 outside limits

Comments: _____

CHEMTECH

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C1640 **SAS No :** C1640 **SDG No:** C1640

Matrix Spike - EPA Sample No : BSF0329W1 **Analytical Method:** EPA SW846 8260 **Datafile :** VF026215.D

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		20	100	(35-124)
Chloromethane	20		19	95	(37-148)
Vinyl Chloride	20		19	95	(45-144)
Bromomethane	20		21	105	(44-146)
Chloroethane	20		20	100	(46-148)
Trichlorofluoromethane	20		18	90	(56-137)
1,1,2-Trichlorotrifluoroethane	20		19	95	(52-142)
1,1-Dichloroethene	20		19	95	(57-135)
Acetone	100		89	89	(50-149)
Carbon Disulfide	20		19	95	(36-155)
Methyl tert-butyl Ether	20		20	100	(60-144)
Methyl Acetate	20		16	80	(51-158)
Methylene Chloride	20		17	85	(61-138)
trans-1,2-Dichloroethene	20		18	90	(59-137)
1,1-Dichloroethane	20		19	95	(64-142)
Cyclohexane	20		18	90	(56-141)
2-Butanone	100		85	85	(56-152)
Carbon Tetrachloride	20		19	95	(59-138)
cis-1,2-Dichloroethene	20		18	90	(64-137)
Chloroform	20		19	95	(67-138)
1,1,1-Trichloroethane	20		19	95	(65-132)
Methylcyclohexane	20		21	105	(56-137)
Benzene	20		19	95	(66-135)
1,2-Dichloroethane	20		18	90	(65-137)
Trichloroethene	20		19	95	(65-134)
1,2-Dichloropropane	20		18	90	(68-137)
Bromodichloromethane	20		19	95	(67-134)
4-Methyl-2-Pentanone	100		100	100	(63-146)
Toluene	20		19	95	(67-133)
t-1,3-Dichloropropene	20		19	95	(66-135)
cis-1,3-Dichloropropene	20		20	100	(66-132)
1,1,2-Trichloroethane	20		20	100	(67-136)
2-Hexanone	100		96	96	(56-153)
Dibromochloromethane	20		19	95	(64-137)

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 4 Out of 90 outside limits

Comments: _____

CHEMTECH

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C1640 **SAS No :** C1640 **SDG No:** C1640

Matrix Spike - EPA Sample No : BSF0329W1 **Analytical Method:** EPA SW846 8260 **Datafile :** VF026215.D

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
1,2-Dibromoethane	20		19	95	(66-137)
Tetrachloroethene	20		25	125	(37-178)
Chlorobenzene	20		19	95	(67-133)
Ethyl Benzene	20		19	95	(66-133)
m/p-Xylenes	40		39	98	(65-134)
o-Xylene	20		20	100	(65-134)
Styrene	20		20	100	(65-136)
Bromoform	20		20	100	(56-157)
Isopropylbenzene	20		18	90	(66-133)
1,1,2,2-Tetrachloroethane	20		19	95	(63-136)
1,3-Dichlorobenzene	20		18	90	(66-131)
1,4-Dichlorobenzene	20		19	95	(65-131)
1,2-Dichlorobenzene	20		19	95	(66-132)
1,2-Dibromo-3-Chloropropane	20		17	85	(54-141)
1,2,4-Trichlorobenzene	20		16	80	(61-133)

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 4 Out of 90 outside limits

Comments: _____

CHEMTECH

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C1640 **SAS No :** C1640 **SDG No:** C1640

Matrix Spike - EPA Sample No : BSF0330W1 **Analytical Method:** EPA SW846 8260 **Datafile :** VF026240.D

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		18	90	(35-124)
Chloromethane	20		18	90	(37-148)
Vinyl Chloride	20		17	85	(45-144)
Bromomethane	20		17	85	(44-146)
Chloroethane	20		18	90	(46-148)
Trichlorofluoromethane	20		17	85	(56-137)
1,1,2-Trichlorotrifluoroethane	20		18	90	(52-142)
1,1-Dichloroethene	20		18	90	(57-135)
Acetone	100		83	83	(50-149)
Carbon Disulfide	20		18	90	(36-155)
Methyl tert-butyl Ether	20		19	95	(60-144)
Methyl Acetate	20		20	100	(51-158)
Methylene Chloride	20		19	95	(61-138)
trans-1,2-Dichloroethene	20		17	85	(59-137)
1,1-Dichloroethane	20		19	95	(64-142)
Cyclohexane	20		17	85	(56-141)
2-Butanone	100		94	94	(56-152)
Carbon Tetrachloride	20		17	85	(59-138)
cis-1,2-Dichloroethene	20		18	90	(64-137)
Chloroform	20		19	95	(67-138)
1,1,1-Trichloroethane	20		18	90	(65-132)
Methylcyclohexane	20		18	90	(56-137)
Benzene	20		17	85	(66-135)
1,2-Dichloroethane	20		18	90	(65-137)
Trichloroethene	20		17	85	(65-134)
1,2-Dichloropropane	20		17	85	(68-137)
Bromodichloromethane	20		17	85	(67-134)
4-Methyl-2-Pentanone	100		95	95	(63-146)
Toluene	20		18	90	(67-133)
t-1,3-Dichloropropene	20		18	90	(66-135)
cis-1,3-Dichloropropene	20		18	90	(66-132)
1,1,2-Trichloroethane	20		18	90	(67-136)
2-Hexanone	100		94	94	(56-153)
Dibromochloromethane	20		18	90	(64-137)

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD : 0 **Out of** 0 **outside limits**

Spike Recovery : 3 **Out of** 90 **outside limits**

Comments: _____

CHEMTECH

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C1640 **SAS No :** C1640 **SDG No:** C1640

Matrix Spike - EPA Sample No : BSF0330W1 **Analytical Method:** EPA SW846 8260 **Datafile :** VF026240.D

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
1,2-Dibromoethane	20		18	90	(66-137)
Tetrachloroethene	20		24	120	(37-178)
Chlorobenzene	20		17	85	(67-133)
Ethyl Benzene	20		18	90	(66-133)
m/p-Xylenes	40		36	90	(65-134)
o-Xylene	20		18	90	(65-134)
Styrene	20		19	95	(65-136)
Bromoform	20		18	90	(56-157)
Isopropylbenzene	20		16	80	(66-133)
1,1,2,2-Tetrachloroethane	20		17	85	(63-136)
1,3-Dichlorobenzene	20		17	85	(66-131)
1,4-Dichlorobenzene	20		17	85	(65-131)
1,2-Dichlorobenzene	20		17	85	(66-132)
1,2-Dibromo-3-Chloropropane	20		16	80	(54-141)
1,2,4-Trichlorobenzene	20		15	75	(61-133)

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 3 Out of 90 outside limits

Comments: _____

CHEMTECH

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C1640 **SAS No :** C1640 **SDG No:** C1640

Matrix Spike - EPA Sample No : BSK0328S1 **Analytical Method:** EPA SW846 8260 **Datafile :** VK044003.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		20	100	(47-148)
Chloromethane	20		20	100	(56-145)
Vinyl Chloride	20		19	95	(60-138)
Bromomethane	20		19	95	(45-158)
Chloroethane	20		20	100	(42-161)
Trichlorofluoromethane	20		21	105	(55-146)
1,1,2-Trichlorotrifluoroethane	20		19	95	(65-134)
1,1-Dichloroethene	20		19	95	(65-136)
Acetone	100		82	82	(57-148)
Carbon Disulfide	20		20	100	(60-138)
Methyl tert-butyl Ether	20		18	90	(70-131)
Methyl Acetate	20		16	80	(44-187)
Methylene Chloride	20		17	85	(63-141)
trans-1,2-Dichloroethene	20		19	95	(73-130)
1,1-Dichloroethane	20		18	90	(74-133)
Cyclohexane	20		18	90	(66-132)
2-Butanone	100		89	89	(52-153)
Carbon Tetrachloride	20		19	95	(74-122)
cis-1,2-Dichloroethene	20		18	90	(75-129)
Chloroform	20		19	95	(75-135)
1,1,1-Trichloroethane	20		19	95	(75-128)
Methylcyclohexane	20		19	95	(71-124)
Benzene	20		19	95	(79-122)
1,2-Dichloroethane	20		18	90	(75-132)
Trichloroethene	20		19	95	(77-120)
1,2-Dichloropropane	20		18	90	(76-127)
Bromodichloromethane	20		18	90	(77-124)
4-Methyl-2-Pentanone	100		90	90	(70-141)
Toluene	20		19	95	(78-121)
t-1,3-Dichloropropene	20		18	90	(76-127)
cis-1,3-Dichloropropene	20		18	90	(79-122)
1,1,2-Trichloroethane	20		18	90	(76-127)
2-Hexanone	100		90	90	(55-154)
Dibromochloromethane	20		18	90	(73-126)

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD : 0 **Out of** 0 **outside limits**

Spike Recovery : 4 **Out of** 90 **outside limits**

Comments: _____

CHEMTECH

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C1640 **SAS No :** C1640 **SDG No:** C1640

Matrix Spike - EPA Sample No : BSK0328S1 **Analytical Method:** EPA SW846 8260 **Datafile :** VK044003.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
1,2-Dibromoethane	20		18	90	(76-127)
Tetrachloroethene	20		18	90	(61-145)
Chlorobenzene	20		19	95	(79-120)
Ethyl Benzene	20		19	95	(77-120)
m/p-Xylenes	40		38	95	(78-120)
o-Xylene	20		18	90	(78-119)
Styrene	20		19	95	(80-119)
Bromoform	20		18	90	(71-125)
Isopropylbenzene	20		18	90	(77-124)
1,1,2,2-Tetrachloroethane	20		18	90	(77-130)
1,3-Dichlorobenzene	20		19	95	(82-121)
1,4-Dichlorobenzene	20		18	90	(82-118)
1,2-Dichlorobenzene	20		18	90	(81-122)
1,2-Dibromo-3-Chloropropane	20		17	85	(66-132)
1,2,4-Trichlorobenzene	20		18	90	(71-124)

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 4 Out of 90 outside limits

Comments: _____

CHEMTECH

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C1640 **SAS No :** C1640 **SDG No:** C1640

Matrix Spike - EPA Sample No : BSK0330S1 **Analytical Method:** EPA SW846 8260 **Datafile :** VK044057.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		22	110	(47-148)
Chloromethane	20		20	100	(56-145)
Vinyl Chloride	20		20	100	(60-138)
Bromomethane	20		20	100	(45-158)
Chloroethane	20		21	105	(42-161)
Trichlorofluoromethane	20		21	105	(55-146)
1,1,2-Trichlorotrifluoroethane	20		19	95	(65-134)
1,1-Dichloroethene	20		19	95	(65-136)
Acetone	100		89	89	(57-148)
Carbon Disulfide	20		18	90	(60-138)
Methyl tert-butyl Ether	20		20	100	(70-131)
Methyl Acetate	20		20	100	(44-187)
Methylene Chloride	20		18	90	(63-141)
trans-1,2-Dichloroethene	20		18	90	(73-130)
1,1-Dichloroethane	20		19	95	(74-133)
Cyclohexane	20		19	95	(66-132)
2-Butanone	100		100	100	(52-153)
Carbon Tetrachloride	20		20	100	(74-122)
cis-1,2-Dichloroethene	20		19	95	(75-129)
Chloroform	20		19	95	(75-135)
1,1,1-Trichloroethane	20		20	100	(75-128)
Methylcyclohexane	20		20	100	(71-124)
Benzene	20		19	95	(79-122)
1,2-Dichloroethane	20		20	100	(75-132)
Trichloroethene	20		19	95	(77-120)
1,2-Dichloropropane	20		19	95	(76-127)
Bromodichloromethane	20		20	100	(77-124)
4-Methyl-2-Pentanone	100		110	110	(70-141)
Toluene	20		20	100	(78-121)
t-1,3-Dichloropropene	20		20	100	(76-127)
cis-1,3-Dichloropropene	20		20	100	(79-122)
1,1,2-Trichloroethane	20		20	100	(76-127)
2-Hexanone	100		110	110	(55-154)
Dibromochloromethane	20		20	100	(73-126)

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 3 Out of 90 outside limits

Comments: _____

CHEMTECH

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C1640 **SAS No :** C1640 **SDG No:** C1640

Matrix Spike - EPA Sample No : BSK0330S1 **Analytical Method:** EPA SW846 8260 **Datafile :** VK044057.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
1,2-Dibromoethane	20		20	100	(76-127)
Tetrachloroethene	20		21	105	(61-145)
Chlorobenzene	20		19	95	(79-120)
Ethyl Benzene	20		20	100	(77-120)
m/p-Xylenes	40		39	98	(78-120)
o-Xylene	20		20	100	(78-119)
Styrene	20		19	95	(80-119)
Bromoform	20		19	95	(71-125)
Isopropylbenzene	20		20	100	(77-124)
1,1,2,2-Tetrachloroethane	20		20	100	(77-130)
1,3-Dichlorobenzene	20		20	100	(82-121)
1,4-Dichlorobenzene	20		20	100	(82-118)
1,2-Dichlorobenzene	20		20	100	(81-122)
1,2-Dibromo-3-Chloropropane	20		20	100	(66-132)
1,2,4-Trichlorobenzene	20		20	100	(71-124)

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 3 Out of 90 outside limits

Comments: _____

CHEMTECH

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBE0329M1

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

Lab File ID: VE021446.D Lab Sample ID: VBE0329M1

Date Analyzed: 03/29/2011 Time Analyzed: 12:08

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAE

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSE0329M1	BSE0329M1	VE021447.D	03/29/2011
SB-08-10-11DL	C1640-21DL	VE021458.D	03/29/2011

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBE0329M1	SDG No.:	C1640
Lab Sample ID:	VBE0329M1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE021446.D	1		03/29/11	VE032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	500	U	55	250	500	ug/Kg
74-87-3	Chloromethane	500	U	54	250	500	ug/Kg
75-01-4	Vinyl Chloride	500	U	34	250	500	ug/Kg
74-83-9	Bromomethane	500	U	62	250	500	ug/Kg
75-00-3	Chloroethane	500	U	66	250	500	ug/Kg
75-69-4	Trichlorofluoromethane	500	U	35	250	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	500	U	45	250	500	ug/Kg
75-35-4	1,1-Dichloroethene	500	U	47	250	500	ug/Kg
67-64-1	Acetone	2500	U	280	1250	2500	ug/Kg
75-15-0	Carbon Disulfide	500	U	54	250	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	500	U	35	250	500	ug/Kg
79-20-9	Methyl Acetate	500	U	83	250	500	ug/Kg
75-09-2	Methylene Chloride	500	U	41	250	500	ug/Kg
156-60-5	trans-1,2-Dichloroethene	500	U	41	250	500	ug/Kg
75-34-3	1,1-Dichloroethane	500	U	36	250	500	ug/Kg
110-82-7	Cyclohexane	500	U	55	250	500	ug/Kg
78-93-3	2-Butanone	2500	U	130	1250	2500	ug/Kg
56-23-5	Carbon Tetrachloride	500	U	62	250	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	500	U	35	250	500	ug/Kg
67-66-3	Chloroform	500	U	34	250	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	500	U	40	250	500	ug/Kg
108-87-2	Methylcyclohexane	500	U	68	250	500	ug/Kg
71-43-2	Benzene	500	U	32	250	500	ug/Kg
107-06-2	1,2-Dichloroethane	500	U	48	250	500	ug/Kg
79-01-6	Trichloroethene	500	U	28	250	500	ug/Kg
78-87-5	1,2-Dichloropropane	500	U	46	250	500	ug/Kg
75-27-4	Bromodichloromethane	500	U	36	250	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2500	U	210	1250	2500	ug/Kg
108-88-3	Toluene	500	U	37	250	500	ug/Kg
10061-02-6	t-1,3-Dichloropropene	500	U	29	250	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	500	U	31	250	500	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBE0329M1	SDG No.:	C1640
Lab Sample ID:	VBE0329M1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE021446.D	1		03/29/11	VE032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	500	U	38	250	500	ug/Kg
591-78-6	2-Hexanone	2500	U	190	1250	2500	ug/Kg
124-48-1	Dibromochloromethane	500	U	52	250	500	ug/Kg
106-93-4	1,2-Dibromoethane	500	U	41	250	500	ug/Kg
127-18-4	Tetrachloroethene	500	U	27	250	500	ug/Kg
108-90-7	Chlorobenzene	500	U	49	250	500	ug/Kg
100-41-4	Ethyl Benzene	500	U	53	250	500	ug/Kg
179601-23-1	m/p-Xylenes	1000	U	95	500	1000	ug/Kg
95-47-6	o-Xylene	500	U	43	250	500	ug/Kg
100-42-5	Styrene	500	U	36	250	500	ug/Kg
75-25-2	Bromoform	500	U	47	250	500	ug/Kg
98-82-8	Isopropylbenzene	500	U	45	250	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	500	U	31	250	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	500	U	43	250	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	500	U	32	250	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	500	U	45	250	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	500	U	46	250	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	500	U	62	250	500	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59		55 - 158		118%	SPK: 50
1868-53-7	Dibromofluoromethane	61.8		53 - 156		124%	SPK: 50
2037-26-5	Toluene-d8	52		68 - 122		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		25 - 144		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1062760	9.41				
540-36-3	1,4-Difluorobenzene	1790000	10.51				
3114-55-4	Chlorobenzene-d5	1589070	14.91				
3855-82-1	1,4-Dichlorobenzene-d4	757110	18.71				

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBE0329M1	SDG No.:	C1640
Lab Sample ID:	VBE0329M1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE021446.D	1		03/29/11	VE032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBE0330M1

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

Lab File ID: VE021463.D Lab Sample ID: VBE0330M1

Date Analyzed: 03/30/2011 Time Analyzed: 16:27

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAE

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSE0330M1	BSE0330M1	VE021464.D	03/30/2011
SB-10-10-11DL	C1640-16DL	VE021468.D	03/30/2011
SB-10-10-11MS	C1640-16MS	VE021469.D	03/30/2011
SB-10-10-11MSD	C1640-16MSD	VE021470.D	03/30/2011

COMMENTS:

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBE0330M1	SDG No.:	C1640
Lab Sample ID:	VBE0330M1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE021463.D	1		03/30/11	VE033011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	500	U	55	250	500	ug/Kg
74-87-3	Chloromethane	500	U	54	250	500	ug/Kg
75-01-4	Vinyl Chloride	500	U	34	250	500	ug/Kg
74-83-9	Bromomethane	500	U	62	250	500	ug/Kg
75-00-3	Chloroethane	500	U	66	250	500	ug/Kg
75-69-4	Trichlorofluoromethane	500	U	35	250	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	500	U	45	250	500	ug/Kg
75-35-4	1,1-Dichloroethene	500	U	47	250	500	ug/Kg
67-64-1	Acetone	2500	U	280	1250	2500	ug/Kg
75-15-0	Carbon Disulfide	500	U	54	250	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	500	U	35	250	500	ug/Kg
79-20-9	Methyl Acetate	500	U	83	250	500	ug/Kg
75-09-2	Methylene Chloride	500	U	41	250	500	ug/Kg
156-60-5	trans-1,2-Dichloroethene	500	U	41	250	500	ug/Kg
75-34-3	1,1-Dichloroethane	500	U	36	250	500	ug/Kg
110-82-7	Cyclohexane	500	U	55	250	500	ug/Kg
78-93-3	2-Butanone	2500	U	130	1250	2500	ug/Kg
56-23-5	Carbon Tetrachloride	500	U	62	250	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	500	U	35	250	500	ug/Kg
67-66-3	Chloroform	500	U	34	250	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	500	U	40	250	500	ug/Kg
108-87-2	Methylcyclohexane	500	U	68	250	500	ug/Kg
71-43-2	Benzene	500	U	32	250	500	ug/Kg
107-06-2	1,2-Dichloroethane	500	U	48	250	500	ug/Kg
79-01-6	Trichloroethene	500	U	28	250	500	ug/Kg
78-87-5	1,2-Dichloropropane	500	U	46	250	500	ug/Kg
75-27-4	Bromodichloromethane	500	U	36	250	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2500	U	210	1250	2500	ug/Kg
108-88-3	Toluene	500	U	37	250	500	ug/Kg
10061-02-6	t-1,3-Dichloropropene	500	U	29	250	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	500	U	31	250	500	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBE0330M1	SDG No.:	C1640
Lab Sample ID:	VBE0330M1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE021463.D	1		03/30/11	VE033011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	500	U	38	250	500	ug/Kg
591-78-6	2-Hexanone	2500	U	190	1250	2500	ug/Kg
124-48-1	Dibromochloromethane	500	U	52	250	500	ug/Kg
106-93-4	1,2-Dibromoethane	500	U	41	250	500	ug/Kg
127-18-4	Tetrachloroethene	500	U	27	250	500	ug/Kg
108-90-7	Chlorobenzene	500	U	49	250	500	ug/Kg
100-41-4	Ethyl Benzene	500	U	53	250	500	ug/Kg
179601-23-1	m/p-Xylenes	1000	U	95	500	1000	ug/Kg
95-47-6	o-Xylene	500	U	43	250	500	ug/Kg
100-42-5	Styrene	500	U	36	250	500	ug/Kg
75-25-2	Bromoform	500	U	47	250	500	ug/Kg
98-82-8	Isopropylbenzene	500	U	45	250	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	500	U	31	250	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	500	U	43	250	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	500	U	32	250	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	500	U	45	250	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	500	U	46	250	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	500	U	62	250	500	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.7		55 - 158		97%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		53 - 156		100%	SPK: 50
2037-26-5	Toluene-d8	41.6		68 - 122		83%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.8		25 - 144		82%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1129640	9.42				
540-36-3	1,4-Difluorobenzene	1927790	10.52				
3114-55-4	Chlorobenzene-d5	1695250	14.92				
3855-82-1	1,4-Dichlorobenzene-d4	794201	18.71				
TENTITIVE IDENTIFIED COMPOUNDS							
002847-72-5	Decane, 4-methyl-	650	J			17.62	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBE0330M1	SDG No.:	C1640
Lab Sample ID:	VBE0330M1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE021463.D	1		03/30/11	VE033011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0325W1

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

Lab File ID: VF026103.D Lab Sample ID: VBF0325W1

Date Analyzed: 03/25/2011 Time Analyzed: 12:20

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAF

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF0325W1	BSF0325W1	VF026104.D	03/25/2011
PZ-3	C1640-01	VF026110.D	03/25/2011
PZ-X	C1640-02	VF026111.D	03/25/2011
PZ-6	C1640-06	VF026112.D	03/25/2011

COMMENTS:

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBF0325W1	SDG No.:	C1640
Lab Sample ID:	VBF0325W1	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026103.D	1		03/25/11	VF032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBF0325W1	SDG No.:	C1640
Lab Sample ID:	VBF0325W1	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026103.D	1		03/25/11	VF032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	49.3	66 - 150	99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4	76 - 130	99%	SPK: 50
2037-26-5	Toluene-d8	50.2	78 - 121	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.9	70 - 131	94%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	3129080	3.2
540-36-3	1,4-Difluorobenzene	5534340	3.81
3114-55-4	Chlorobenzene-d5	4878130	7.15
3855-82-1	1,4-Dichlorobenzene-d4	2721210	9.02

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBF0325W1	SDG No.:	C1640
Lab Sample ID:	VBF0325W1	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026103.D	1		03/25/11	VF032511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0329W1

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

Lab File ID: VF026214.D Lab Sample ID: VBF0329W1

Date Analyzed: 03/29/2011 Time Analyzed: 17:14

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAF

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF0329W1	BSF0329W1	VF026215.D	03/29/2011
TRIPBLANK	C1640-20	VF026220.D	03/29/2011
PZ-5	C1640-03	VF026221.D	03/29/2011
PZ-5MS	C1640-04MS	VF026222.D	03/29/2011
PZ-5MSD	C1640-05MSD	VF026223.D	03/29/2011
PZ-4R	C1640-19	VF026227.D	03/29/2011
SB-07-GW-13	C1640-08	VF026228.D	03/30/2011
SB-07-GW-25	C1640-09	VF026229.D	03/30/2011
SB-08-GW-13	C1640-11	VF026230.D	03/30/2011
SB-08-GW-25	C1640-12	VF026231.D	03/30/2011
SB-09-GW-13	C1640-14	VF026232.D	03/30/2011
SB-09-GW-25	C1640-15	VF026233.D	03/30/2011

COMMENTS:

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBF0329W1	SDG No.:	C1640
Lab Sample ID:	VBF0329W1	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026214.D	1		03/29/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBF0329W1	SDG No.:	C1640
Lab Sample ID:	VBF0329W1	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026214.D	1		03/29/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.3		66 - 150		93%	SPK: 50
1868-53-7	Dibromofluoromethane	52		76 - 130		104%	SPK: 50
2037-26-5	Toluene-d8	49.7		78 - 121		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	49		70 - 131		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	2195030	3.2				
540-36-3	1,4-Difluorobenzene	3983710	3.8				
3114-55-4	Chlorobenzene-d5	4017420	7.15				
3855-82-1	1,4-Dichlorobenzene-d4	2210480	9.01				

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBF0329W1	SDG No.:	C1640
Lab Sample ID:	VBF0329W1	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026214.D	1		03/29/11	VF032911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0330W1

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

Lab File ID: VF026239.D Lab Sample ID: VBF0330W1

Date Analyzed: 03/30/2011 Time Analyzed: 11:28

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAF

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF0330W1	BSF0330W1	VF026240.D	03/30/2011
SB-10-GW-13	C1640-17	VF026243.D	03/30/2011
SB-10-GW-25	C1640-18	VF026245.D	03/30/2011
SB-10-GW-13DL	C1640-17DL	VF026247.D	03/30/2011

COMMENTS:

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBF0330W1	SDG No.:	C1640
Lab Sample ID:	VBF0330W1	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026239.D	1		03/30/11	VF033011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBF0330W1	SDG No.:	C1640
Lab Sample ID:	VBF0330W1	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026239.D	1		03/30/11	VF033011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	46	66 - 150	92%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1	76 - 130	102%	SPK: 50
2037-26-5	Toluene-d8	48.3	78 - 121	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2	70 - 131	94%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	2309730	3.2
540-36-3	1,4-Difluorobenzene	4253150	3.8
3114-55-4	Chlorobenzene-d5	4237250	7.14
3855-82-1	1,4-Dichlorobenzene-d4	2318140	9.01

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBF0330W1	SDG No.:	C1640
Lab Sample ID:	VBF0330W1	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF026239.D	1		03/30/11	VF033011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK0328S1

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

Lab File ID: VK044002.D Lab Sample ID: VBK0328S1

Date Analyzed: 03/28/2011 Time Analyzed: 11:22

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOAK

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSK0328S1	BSK0328S1	VK044003.D	03/28/2011
SB-07-10-11	C1640-07	VK044009.D	03/28/2011
SB-09-9-10	C1640-13	VK044010.D	03/28/2011
SB-08-10-11	C1640-21	VK044014.D	03/28/2011

COMMENTS:

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBK0328S1	SDG No.:	C1640
Lab Sample ID:	VBK0328S1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK044002.D	1		03/28/11	VK032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5	U	0.65	2.5	5	ug/Kg
74-87-3	Chloromethane	5	U	0.86	2.5	5	ug/Kg
75-01-4	Vinyl Chloride	5	U	1.2	2.5	5	ug/Kg
74-83-9	Bromomethane	5	U	2.4	2.5	5	ug/Kg
75-00-3	Chloroethane	5	U	1.4	2.5	5	ug/Kg
75-69-4	Trichlorofluoromethane	5	U	1.3	2.5	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U	1.3	2.5	5	ug/Kg
75-35-4	1,1-Dichloroethene	5	U	1.5	2.5	5	ug/Kg
67-64-1	Acetone	25	U	3	12.5	25	ug/Kg
75-15-0	Carbon Disulfide	5	U	1.1	2.5	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5	U	0.96	2.5	5	ug/Kg
79-20-9	Methyl Acetate	5	U	1.5	2.5	5	ug/Kg
75-09-2	Methylene Chloride	5	U	1.4	2.5	5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5	U	0.69	2.5	5	ug/Kg
75-34-3	1,1-Dichloroethane	5	U	0.94	2.5	5	ug/Kg
110-82-7	Cyclohexane	5	U	1	2.5	5	ug/Kg
78-93-3	2-Butanone	25	U	3.1	12.5	25	ug/Kg
56-23-5	Carbon Tetrachloride	5	U	0.99	2.5	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5	U	0.89	2.5	5	ug/Kg
67-66-3	Chloroform	5	U	0.74	2.5	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	5	U	0.88	2.5	5	ug/Kg
108-87-2	Methylcyclohexane	5	U	1.1	2.5	5	ug/Kg
71-43-2	Benzene	5	U	0.38	2.5	5	ug/Kg
107-06-2	1,2-Dichloroethane	5	U	0.64	2.5	5	ug/Kg
79-01-6	Trichloroethene	5	U	0.86	2.5	5	ug/Kg
78-87-5	1,2-Dichloropropane	5	U	0.26	2.5	5	ug/Kg
75-27-4	Bromodichloromethane	5	U	0.62	2.5	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	25	U	2.9	12.5	25	ug/Kg
108-88-3	Toluene	5	U	0.64	2.5	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5	U	0.79	2.5	5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5	U	0.72	2.5	5	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBK0328S1	SDG No.:	C1640
Lab Sample ID:	VBK0328S1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK044002.D	1		03/28/11	VK032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	5	U	0.9	2.5	5	ug/Kg
591-78-6	2-Hexanone	25	U	3.9	12.5	25	ug/Kg
124-48-1	Dibromochloromethane	5	U	0.54	2.5	5	ug/Kg
106-93-4	1,2-Dibromoethane	5	U	0.64	2.5	5	ug/Kg
127-18-4	Tetrachloroethene	5	U	1	2.5	5	ug/Kg
108-90-7	Chlorobenzene	5	U	0.5	2.5	5	ug/Kg
100-41-4	Ethyl Benzene	5	U	0.62	2.5	5	ug/Kg
179601-23-1	m/p-Xylenes	10	U	0.72	5	10	ug/Kg
95-47-6	o-Xylene	5	U	0.68	2.5	5	ug/Kg
100-42-5	Styrene	5	U	0.45	2.5	5	ug/Kg
75-25-2	Bromoform	5	U	0.74	2.5	5	ug/Kg
98-82-8	Isopropylbenzene	5	U	0.48	2.5	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.46	2.5	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	5	U	0.37	2.5	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	5	U	0.41	2.5	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	5	U	0.62	2.5	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5	U	0.87	2.5	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5	U	0.7	2.5	5	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	47.9	55 - 158	96%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5	53 - 156	105%	SPK: 50
2037-26-5	Toluene-d8	51.8	68 - 122	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8	25 - 144	102%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	869295	3.11
540-36-3	1,4-Difluorobenzene	1455900	3.49
3114-55-4	Chlorobenzene-d5	1459770	6.15
3855-82-1	1,4-Dichlorobenzene-d4	785803	8.52

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBK0328S1	SDG No.:	C1640
Lab Sample ID:	VBK0328S1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK044002.D	1		03/28/11	VK032811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK0330S1

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

Lab File ID: VK044056.D Lab Sample ID: VBK0330S1

Date Analyzed: 03/30/2011 Time Analyzed: 11:51

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOAK

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSK0330S1	BSK0330S1	VK044057.D	03/30/2011
SB-10-10-11	C1640-16	VK044058.D	03/30/2011

COMMENTS:

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBK0330S1	SDG No.:	C1640
Lab Sample ID:	VBK0330S1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK044056.D	1		03/30/11	VK033011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5	U	0.65	2.5	5	ug/Kg
74-87-3	Chloromethane	5	U	0.86	2.5	5	ug/Kg
75-01-4	Vinyl Chloride	5	U	1.2	2.5	5	ug/Kg
74-83-9	Bromomethane	5	U	2.4	2.5	5	ug/Kg
75-00-3	Chloroethane	5	U	1.4	2.5	5	ug/Kg
75-69-4	Trichlorofluoromethane	5	U	1.3	2.5	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U	1.3	2.5	5	ug/Kg
75-35-4	1,1-Dichloroethene	5	U	1.5	2.5	5	ug/Kg
67-64-1	Acetone	25	U	3	12.5	25	ug/Kg
75-15-0	Carbon Disulfide	5	U	1.1	2.5	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5	U	0.96	2.5	5	ug/Kg
79-20-9	Methyl Acetate	5	U	1.5	2.5	5	ug/Kg
75-09-2	Methylene Chloride	5	U	1.4	2.5	5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5	U	0.69	2.5	5	ug/Kg
75-34-3	1,1-Dichloroethane	5	U	0.94	2.5	5	ug/Kg
110-82-7	Cyclohexane	5	U	1	2.5	5	ug/Kg
78-93-3	2-Butanone	25	U	3.1	12.5	25	ug/Kg
56-23-5	Carbon Tetrachloride	5	U	0.99	2.5	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5	U	0.89	2.5	5	ug/Kg
67-66-3	Chloroform	5	U	0.74	2.5	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	5	U	0.88	2.5	5	ug/Kg
108-87-2	Methylcyclohexane	5	U	1.1	2.5	5	ug/Kg
71-43-2	Benzene	5	U	0.38	2.5	5	ug/Kg
107-06-2	1,2-Dichloroethane	5	U	0.64	2.5	5	ug/Kg
79-01-6	Trichloroethene	5	U	0.86	2.5	5	ug/Kg
78-87-5	1,2-Dichloropropane	5	U	0.26	2.5	5	ug/Kg
75-27-4	Bromodichloromethane	5	U	0.62	2.5	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	25	U	2.9	12.5	25	ug/Kg
108-88-3	Toluene	5	U	0.64	2.5	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5	U	0.79	2.5	5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5	U	0.72	2.5	5	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBK0330S1	SDG No.:	C1640
Lab Sample ID:	VBK0330S1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK044056.D	1		03/30/11	VK033011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
79-00-5	1,1,2-Trichloroethane	5	U	0.9	2.5	5	ug/Kg
591-78-6	2-Hexanone	25	U	3.9	12.5	25	ug/Kg
124-48-1	Dibromochloromethane	5	U	0.54	2.5	5	ug/Kg
106-93-4	1,2-Dibromoethane	5	U	0.64	2.5	5	ug/Kg
127-18-4	Tetrachloroethene	5	U	1	2.5	5	ug/Kg
108-90-7	Chlorobenzene	5	U	0.5	2.5	5	ug/Kg
100-41-4	Ethyl Benzene	5	U	0.62	2.5	5	ug/Kg
179601-23-1	m/p-Xylenes	10	U	0.72	5	10	ug/Kg
95-47-6	o-Xylene	5	U	0.68	2.5	5	ug/Kg
100-42-5	Styrene	5	U	0.45	2.5	5	ug/Kg
75-25-2	Bromoform	5	U	0.74	2.5	5	ug/Kg
98-82-8	Isopropylbenzene	5	U	0.48	2.5	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.46	2.5	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	5	U	0.37	2.5	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	5	U	0.41	2.5	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	5	U	0.62	2.5	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5	U	0.87	2.5	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5	U	0.7	2.5	5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.5		55 - 158		95%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		53 - 156		103%	SPK: 50
2037-26-5	Toluene-d8	50.8		68 - 122		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		25 - 144		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	675024	3.1				
540-36-3	1,4-Difluorobenzene	1110260	3.48				
3114-55-4	Chlorobenzene-d5	1109250	6.14				
3855-82-1	1,4-Dichlorobenzene-d4	609289	8.52				

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBK0330S1	SDG No.:	C1640
Lab Sample ID:	VBK0330S1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK044056.D	1		03/30/11	VK033011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

Lab File ID: VE021444.D Date Analyzed: 03/29/2011

Instrument ID: MSVOAE Time Analyzed: 10:43

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1341608	9.40	2301684	10.49	2059037	14.89
UPPER LIMIT	2683216	9.9	4603368	10.99	4118074	15.39
LOWER LIMIT	670804	8.9	1150842	9.99	1029519	14.39
EPA SAMPLE NO.						
BSE0329M1	983489	9.39	1601757	10.49	1471965	14.90
SB-08-10-11DL	1385257	9.41	2310232	10.51	2176487	14.92
VBE0329M1	1062759	9.41	1789998	10.51	1589071	14.91

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

Lab File ID: VE021444.D Date Analyzed: 03/29/2011

Instrument ID: MSVOAE Time Analyzed: 10:43

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	1015895	18.68				
UPPER LIMIT	2031790	19.18				
LOWER LIMIT	507947.5	18.18				
EPA SAMPLE NO.						
BSE0329M1	750793	18.70				
SB-08-10-11DL	948805	18.73				
VBE0329M1	757110	18.71				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

Lab File ID: VE021461.D Date Analyzed: 03/30/2011

Instrument ID: MSVOAE Time Analyzed: 15:07

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1274436	9.40	2152838	10.49	1896831	14.90
UPPER LIMIT	2548872	9.9	4305676	10.99	3793662	15.4
LOWER LIMIT	637218	8.9	1076419	9.99	948415.5	14.4
EPA SAMPLE NO.						
BSE0330M1	1047156	9.42	1713216	10.51	1562809	14.92
SB-10-10-11DL	1971139	9.43	3508964	10.52	3096254	14.93
SB-10-10-11MS	2374536	9.42	4207154	10.52	3758210	14.93
SB-10-10-11MSD	1821428	9.42	3286140	10.52	2874583	14.94
VBE0330M1	1129639	9.42	1927789	10.52	1695246	14.92

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

Lab File ID: VE021461.D Date Analyzed: 03/30/2011

Instrument ID: MSVOAE Time Analyzed: 15:07

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	936186	18.7				
UPPER LIMIT	1872372	19.2				
LOWER LIMIT	468093	18.2				
EPA SAMPLE NO.						
BSE0330M1	800808	18.72				
SB-10-10-11DL	1356506	18.73				
SB-10-10-11MS	1630703	18.74				
SB-10-10-11MSD	1271573	18.74				
VBE0330M1	794201	18.71				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

Lab File ID: VF026101.D Date Analyzed: 03/25/2011

Instrument ID: MSVOAF Time Analyzed: 10:29

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	3358006	3.20	6127452	3.81	5945592	7.15
UPPER LIMIT	6716012	3.7	12254900	4.31	11891180	7.65
LOWER LIMIT	1679003	2.7	3063726	3.31	2972796	6.65
EPA SAMPLE NO.						
BSF0325W1	3007334	3.20	5317348	3.81	4634989	7.15
PZ-3	2939714	3.20	5086208	3.81	4453683	7.15
PZ-X	2696037	3.20	4283120	3.81	4481505	7.15
PZ-6	2732290	3.20	4853176	3.80	4310354	7.14
VBF0325W1	3129084	3.20	5534337	3.81	4878131	7.15

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

Lab File ID: VF026101.D Date Analyzed: 03/25/2011

Instrument ID: MSVOAF Time Analyzed: 10:29

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	2466346	9.02				
UPPER LIMIT	4932692	9.52				
LOWER LIMIT	1233173	8.52				
EPA SAMPLE NO.						
BSF0325W1	2470741	9.02				
PZ-3	2522142	9.02				
PZ-X	2507510	9.02				
PZ-6	2419085	9.02				
VBF0325W1	2721205	9.02				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

Lab File ID: VF026212.D Date Analyzed: 03/29/2011

Instrument ID: MSVOAF Time Analyzed: 16:06

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	2149069	3.20	3942694	3.80	4029348	7.15
UPPER LIMIT	4298138	3.7	7885388	4.3	8058696	7.65
LOWER LIMIT	1074535	2.7	1971347	3.3	2014674	6.65
EPA SAMPLE NO.						
BSF0329W1	1952442	3.20	3627618	3.80	3713818	7.14
PZ-5	1618476	3.19	3132294	3.80	3162216	7.14
PZ-5MS	1581200	3.19	3069941	3.80	3302368	7.14
PZ-5MSD	1926856	3.20	3664629	3.80	3726659	7.15
SB-07-GW-13	1857752	3.20	3522247	3.80	3582533	7.14
SB-07-GW-25	1650260	3.20	3152770	3.80	3205948	7.14
SB-08-GW-13	1610446	3.20	3154797	3.80	3247373	7.15
SB-08-GW-25	2017016	3.20	3819139	3.81	3814418	7.15
SB-09-GW-13	2007232	3.20	3834326	3.81	3800056	7.14
SB-09-GW-25	1966045	3.20	3794374	3.81	3787009	7.14
PZ-4R	1412588	3.20	2838798	3.80	3007107	7.14
TRIPBLANK	1579953	3.19	3028734	3.80	3087852	7.14
VBF0329W1	2195034	3.20	3983711	3.80	4017415	7.15

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

Lab File ID: VF026212.D Date Analyzed: 03/29/2011

Instrument ID: MSVOAF Time Analyzed: 16:06

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	1956134	9.02				
UPPER LIMIT	3912268	9.52				
LOWER LIMIT	978067	8.52				
EPA SAMPLE NO.						
BSF0329W1	1970285	9.02				
PZ-5	1716415	9.01				
PZ-5MS	1701571	9.01				
PZ-5MSD	1846134	9.01				
SB-07-GW-13	1925983	9.02				
SB-07-GW-25	1700276	9.01				
SB-08-GW-13	1751309	9.01				
SB-08-GW-25	2072242	9.02				
SB-09-GW-13	2002004	9.02				
SB-09-GW-25	1998054	9.02				
PZ-4R	1672116	9.01				
TRIPBLANK	1632286	9.01				
VBF0329W1	2210477	9.01				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

Lab File ID: VF026237.D Date Analyzed: 03/30/2011

Instrument ID: MSVOAF Time Analyzed: 10:13

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	2271768	3.20	4270100	3.80	4376008	7.15
UPPER LIMIT	4543536	3.7	8540200	4.3	8752016	7.65
LOWER LIMIT	1135884	2.7	2135050	3.3	2188004	6.65
EPA SAMPLE NO.						
BSF0330W1	2031100	3.20	3823131	3.80	3949374	7.14
SB-10-GW-13	1900160	3.20	3709009	3.81	3570976	7.14
SB-10-GW-13DL	1271321	3.20	2269951	3.82	2232899	7.15
SB-10-GW-25	2793107	3.20	4971023	3.81	5083959	7.14
VBF0330W1	2309728	3.20	4253148	3.80	4237245	7.14

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

Lab File ID: VF026237.D Date Analyzed: 03/30/2011

Instrument ID: MSVOAF Time Analyzed: 10:13

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	2122434	9.01				
UPPER LIMIT	4244868	9.51				
LOWER LIMIT	1061217	8.51				
EPA SAMPLE NO.						
BSF0330W1	2135501	9.01				
SB-10-GW-13	1272512	9.02				
SB-10-GW-13DL	1067146	9.02				
SB-10-GW-25	2771372	9.02				
VBF0330W1	2318137	9.01				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

Lab File ID: VK044001.D Date Analyzed: 03/28/2011

Instrument ID: MSVOAK Time Analyzed: 10:41

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	953286	3.11	1586636	3.49	1542269	6.16
UPPER LIMIT	1906572	3.61	3173272	3.99	3084538	6.66
LOWER LIMIT	476643	2.61	793318	2.99	771134.5	5.66
EPA SAMPLE NO.						
BSK0328S1	956574	3.11	1612751	3.49	1584383	6.15
SB-07-10-11	826010	3.10	1414407	3.48	1504334	6.16
SB-09-9-10	810559	3.10	1369798	3.49	1425419	6.15
SB-08-10-11	695973	3.10	1170962	3.48	638995 *	6.17
VBK0328S1	869295	3.11	1455898	3.49	1459766	6.15

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

Lab File ID: VK044001.D Date Analyzed: 03/28/2011

Instrument ID: MSVOAK Time Analyzed: 10:41

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	832097	8.52				
UPPER LIMIT	1664194	9.02				
LOWER LIMIT	416048.5	8.02				
EPA SAMPLE NO.						
BSK0328S1	883973	8.52				
SB-07-10-11	808861	8.52				
SB-09-9-10	766843	8.52				
SB-08-10-11	94484 *	8.50				
VBK0328S1	785803	8.52				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

Lab File ID: VK044055.D Date Analyzed: 03/30/2011

Instrument ID: MSVOAK Time Analyzed: 11:07

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	740641	3.10	1193650	3.48	1169324	6.15
UPPER LIMIT	1481282	3.6	2387300	3.98	2338648	6.65
LOWER LIMIT	370320.5	2.6	596825	2.98	584662	5.65
EPA SAMPLE NO.						
BSK0330S1	672522	3.10	1118958	3.48	1132762	6.14
SB-10-10-11	634707	3.10	1040190	3.48	757111	6.15
VBK0330S1	675024	3.10	1110260	3.48	1109248	6.14

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

Lab File ID: VK044055.D Date Analyzed: 03/30/2011

Instrument ID: MSVOAK Time Analyzed: 11:07

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	644292	8.52				
UPPER LIMIT	1288584	9.02				
LOWER LIMIT	322146	8.02				
EPA SAMPLE NO.						
BSK0330S1	615479	8.52				
SB-10-10-11	544619	8.55				
VBK0330S1	609289	8.52				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/23/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-3	SDG No.:	C1640
Lab Sample ID:	C1640-01	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044524.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	10	U	0.79	5	10	ug/L
108-95-2	Phenol	10	U	0.21	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.56	5	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.55	5	10	ug/L
95-48-7	2-Methylphenol	10	U	0.24	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.17	5	10	ug/L
98-86-2	Acetophenone	10	U	0.14	5	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.39	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.2	5	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	5	10	ug/L
98-95-3	Nitrobenzene	10	U	0.69	5	10	ug/L
78-59-1	Isophorone	10	U	0.31	5	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.53	5	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.72	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.56	5	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.67	5	10	ug/L
91-20-3	Naphthalene	10	U	0.12	5	10	ug/L
106-47-8	4-Chloroaniline	10	U	2.9	5	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	5	10	ug/L
105-60-2	Caprolactam	10	U	2	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.41	5	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.24	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.57	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.41	5	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.15	5	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.16	5	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.5	5	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.22	5	10	ug/L
208-96-8	Acenaphthylene	10	U	0.71	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/23/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-3	SDG No.:	C1640
Lab Sample ID:	C1640-01	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044524.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	10	U	1.1	5	10	ug/L
83-32-9	Acenaphthene	10	U	0.21	5	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.1	5	10	ug/L
100-02-7	4-Nitrophenol	10	U	2	5	10	ug/L
132-64-9	Dibenzofuran	10	U	0.24	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	5	10	ug/L
84-66-2	Diethylphthalate	10	U	0.39	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.21	5	10	ug/L
86-73-7	Fluorene	10	U	0.32	5	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.76	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.61	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.23	5	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.18	5	10	ug/L
1912-24-9	Atrazine	10	U	0.41	5	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	5	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	5	10	ug/L
120-12-7	Anthracene	10	U	0.16	5	10	ug/L
86-74-8	Carbazole	10	U	0.22	5	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2	5	10	ug/L
206-44-0	Fluoranthene	10	U	0.41	5	10	ug/L
129-00-0	Pyrene	10	U	0.2	5	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.19	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2	5	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	5	10	ug/L
218-01-9	Chrysene	10	U	0.18	5	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.16	5	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.52	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.18	5	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.15	5	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.43	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/23/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-3	SDG No.:	C1640
Lab Sample ID:	C1640-01	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044524.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	47.5		10 - 160		32%	SPK: 150
13127-88-3	Phenol-d5	30		10 - 160		20%	SPK: 150
4165-60-0	Nitrobenzene-d5	93		20 - 139		93%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.6		10 - 173		91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	144		10 - 169		96%	SPK: 150
1718-51-0	Terphenyl-d14	76.4		20 - 171		76%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	58812	4.56				
1146-65-2	Naphthalene-d8	213890	5.73				
15067-26-2	Acenaphthene-d10	112599	7.37				
1517-22-2	Phenanthrene-d10	187714	9				
1719-03-5	Chrysene-d12	161722	12.15				
1520-96-3	Perylene-d12	158828	13.87				
TENTITIVE IDENTIFIED COMPOUNDS							
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.1	AB			2.97	ug/L
103-23-1	Hexanedioic acid, bis(2-ethylhexyl	2.1	J			11.64	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/23/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-X	SDG No.:	C1640
Lab Sample ID:	C1640-02	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044525.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	10	U	0.79	5	10	ug/L
108-95-2	Phenol	10	U	0.22	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.57	5	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.56	5	10	ug/L
95-48-7	2-Methylphenol	10	U	0.25	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.18	5	10	ug/L
98-86-2	Acetophenone	10	U	0.14	5	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.39	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.21	5	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	5	10	ug/L
98-95-3	Nitrobenzene	10	U	0.7	5	10	ug/L
78-59-1	Isophorone	10	U	0.31	5	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.54	5	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.73	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.57	5	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.68	5	10	ug/L
91-20-3	Naphthalene	10	U	0.12	5	10	ug/L
106-47-8	4-Chloroaniline	10	U	2.9	5	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	5	10	ug/L
105-60-2	Caprolactam	10	U	2.1	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.41	5	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.25	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.58	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.41	5	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.15	5	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.16	5	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.51	5	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.23	5	10	ug/L
208-96-8	Acenaphthylene	10	U	0.72	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/23/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-X	SDG No.:	C1640
Lab Sample ID:	C1640-02	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044525.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	10	U	1.1	5	10	ug/L
83-32-9	Acenaphthene	10	U	0.22	5	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.2	5	10	ug/L
100-02-7	4-Nitrophenol	10	U	2.1	5	10	ug/L
132-64-9	Dibenzofuran	10	U	0.25	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	5	10	ug/L
84-66-2	Diethylphthalate	10	U	0.39	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.22	5	10	ug/L
86-73-7	Fluorene	10	U	0.32	5	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.76	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.62	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.24	5	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.19	5	10	ug/L
1912-24-9	Atrazine	10	U	0.41	5	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	5	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	5	10	ug/L
120-12-7	Anthracene	10	U	0.16	5	10	ug/L
86-74-8	Carbazole	10	U	0.23	5	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2.1	5	10	ug/L
206-44-0	Fluoranthene	10	U	0.41	5	10	ug/L
129-00-0	Pyrene	10	U	0.21	5	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.2	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	5	10	ug/L
218-01-9	Chrysene	10	U	0.19	5	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.16	5	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.53	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.19	5	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.15	5	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.43	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/23/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-X	SDG No.:	C1640
Lab Sample ID:	C1640-02	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044525.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	52		10 - 160		35%	SPK: 150
13127-88-3	Phenol-d5	34.8		10 - 160		23%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.3		20 - 139		93%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.7		10 - 173		92%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		10 - 169		103%	SPK: 150
1718-51-0	Terphenyl-d14	78.7		20 - 171		79%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	56852	4.56				
1146-65-2	Naphthalene-d8	213175	5.73				
15067-26-2	Acenaphthene-d10	112721	7.37				
1517-22-2	Phenanthrene-d10	189320	9				
1719-03-5	Chrysene-d12	162563	12.15				
1520-96-3	Perylene-d12	155408	13.87				
TENTITIVE IDENTIFIED COMPOUNDS							
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.1	AB			2.97	ug/L
89611-20-1	Cyclohexanecarboxylic acid, octyl	2.1	J			11.64	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-5	SDG No.:	C1640
Lab Sample ID:	C1640-03	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044511.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	10	U	0.79	5	10	ug/L
108-95-2	Phenol	10	U	0.22	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.57	5	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.56	5	10	ug/L
95-48-7	2-Methylphenol	10	U	0.25	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.18	5	10	ug/L
98-86-2	Acetophenone	10	U	0.14	5	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.39	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.21	5	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	5	10	ug/L
98-95-3	Nitrobenzene	10	U	0.7	5	10	ug/L
78-59-1	Isophorone	10	U	0.31	5	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.54	5	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.73	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.57	5	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.68	5	10	ug/L
91-20-3	Naphthalene	10	U	0.12	5	10	ug/L
106-47-8	4-Chloroaniline	10	U	2.9	5	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	5	10	ug/L
105-60-2	Caprolactam	10	U	2.1	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.41	5	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.25	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.58	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.41	5	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.15	5	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.16	5	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.51	5	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.23	5	10	ug/L
208-96-8	Acenaphthylene	10	U	0.72	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-5	SDG No.:	C1640
Lab Sample ID:	C1640-03	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044511.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	10	U	1.1	5	10	ug/L
83-32-9	Acenaphthene	10	U	0.22	5	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.2	5	10	ug/L
100-02-7	4-Nitrophenol	10	U	2.1	5	10	ug/L
132-64-9	Dibenzofuran	10	U	0.25	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	5	10	ug/L
84-66-2	Diethylphthalate	10	U	0.39	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.22	5	10	ug/L
86-73-7	Fluorene	10	U	0.32	5	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.76	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.62	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.24	5	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.19	5	10	ug/L
1912-24-9	Atrazine	10	U	0.41	5	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	5	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	5	10	ug/L
120-12-7	Anthracene	10	U	0.16	5	10	ug/L
86-74-8	Carbazole	10	U	0.23	5	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2.1	5	10	ug/L
206-44-0	Fluoranthene	10	U	0.41	5	10	ug/L
129-00-0	Pyrene	10	U	0.21	5	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.2	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	5	10	ug/L
218-01-9	Chrysene	10	U	0.19	5	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.16	5	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.53	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.19	5	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.15	5	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.43	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-5	SDG No.:	C1640
Lab Sample ID:	C1640-03	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044511.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	47.5		10 - 160		32%	SPK: 150
13127-88-3	Phenol-d5	29.3		10 - 160		20%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.5		20 - 139		93%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.2		10 - 173		87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	147		10 - 169		98%	SPK: 150
1718-51-0	Terphenyl-d14	70.1		20 - 171		70%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	63165	4.56				
1146-65-2	Naphthalene-d8	227992	5.73				
15067-26-2	Acenaphthene-d10	122801	7.37				
1517-22-2	Phenanthrene-d10	210067	9				
1719-03-5	Chrysene-d12	174720	12.15				
1520-96-3	Perylene-d12	171938	13.87				
TENTITIVE IDENTIFIED COMPOUNDS							
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.3	AB			2.98	ug/L
85-44-9	Phthalic anhydride	2.2	J			6.41	ug/L
333416-05-0	2-Methyl-1-pentyl methylphosphonof	3.7	J			11.79	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-6	SDG No.:	C1640
Lab Sample ID:	C1640-06	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044514.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	10	U	0.79	5	10	ug/L
108-95-2	Phenol	10	U	0.22	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.57	5	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.56	5	10	ug/L
95-48-7	2-Methylphenol	10	U	0.25	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.18	5	10	ug/L
98-86-2	Acetophenone	10	U	0.14	5	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.39	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.21	5	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	5	10	ug/L
98-95-3	Nitrobenzene	10	U	0.7	5	10	ug/L
78-59-1	Isophorone	10	U	0.31	5	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.54	5	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.73	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.57	5	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.68	5	10	ug/L
91-20-3	Naphthalene	10	U	0.12	5	10	ug/L
106-47-8	4-Chloroaniline	10	U	2.9	5	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	5	10	ug/L
105-60-2	Caprolactam	10	U	2.1	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.41	5	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.25	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.58	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.41	5	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.15	5	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.16	5	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.51	5	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.23	5	10	ug/L
208-96-8	Acenaphthylene	10	U	0.72	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-6	SDG No.:	C1640
Lab Sample ID:	C1640-06	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044514.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	10	U	1.1	5	10	ug/L
83-32-9	Acenaphthene	10	U	0.22	5	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.2	5	10	ug/L
100-02-7	4-Nitrophenol	10	U	2.1	5	10	ug/L
132-64-9	Dibenzofuran	10	U	0.25	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	5	10	ug/L
84-66-2	Diethylphthalate	10	U	0.39	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.22	5	10	ug/L
86-73-7	Fluorene	10	U	0.32	5	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.76	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.62	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.24	5	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.19	5	10	ug/L
1912-24-9	Atrazine	10	U	0.41	5	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	5	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	5	10	ug/L
120-12-7	Anthracene	10	U	0.16	5	10	ug/L
86-74-8	Carbazole	10	U	0.23	5	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2.1	5	10	ug/L
206-44-0	Fluoranthene	10	U	0.41	5	10	ug/L
129-00-0	Pyrene	10	U	0.21	5	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.2	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	5	10	ug/L
218-01-9	Chrysene	10	U	0.19	5	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.16	5	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.53	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.19	5	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.15	5	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.43	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-6	SDG No.:	C1640
Lab Sample ID:	C1640-06	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044514.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	43.6		10 - 160		29%	SPK: 150
13127-88-3	Phenol-d5	28.1		10 - 160		19%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.9		20 - 139		87%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.2		10 - 173		85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		10 - 169		95%	SPK: 150
1718-51-0	Terphenyl-d14	75.4		20 - 171		75%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	59066	4.56				
1146-65-2	Naphthalene-d8	231489	5.73				
15067-26-2	Acenaphthene-d10	123372	7.37				
1517-22-2	Phenanthrene-d10	202255	9				
1719-03-5	Chrysene-d12	163445	12.15				
1520-96-3	Perylene-d12	162917	13.87				
TENTITIVE IDENTIFIED COMPOUNDS							
141-79-7	3-Penten-2-one, 4-methyl-	31	J			2.57	ug/L
541-05-9	Cyclotrisiloxane, hexamethyl-	6.0	J			2.73	ug/L
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	8.3	AB			2.98	ug/L
	unknown11.48	2.2	J			11.48	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-07-10-11	SDG No.:	C1640
Lab Sample ID:	C1640-07	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	27
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044463.D	1	03/25/11	04/04/11	PB54316

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	450	U	24	225	450	ug/Kg
108-95-2	Phenol	450	U	11	225	450	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	450	U	22	225	450	ug/Kg
95-57-8	2-Chlorophenol	450	U	24	225	450	ug/Kg
95-48-7	2-Methylphenol	450	U	25	225	450	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	450	U	19	225	450	ug/Kg
98-86-2	Acetophenone	450	U	14	225	450	ug/Kg
65794-96-9	3+4-Methylphenols	450	U	24	225	450	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	450	U	23	225	450	ug/Kg
67-72-1	Hexachloroethane	450	U	20	225	450	ug/Kg
98-95-3	Nitrobenzene	450	U	17	225	450	ug/Kg
78-59-1	Isophorone	450	U	15	225	450	ug/Kg
88-75-5	2-Nitrophenol	450	U	22	225	450	ug/Kg
105-67-9	2,4-Dimethylphenol	450	U	26	225	450	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	450	U	26	225	450	ug/Kg
120-83-2	2,4-Dichlorophenol	450	U	17	225	450	ug/Kg
91-20-3	Naphthalene	450	U	16	225	450	ug/Kg
106-47-8	4-Chloroaniline	450	U	32	225	450	ug/Kg
87-68-3	Hexachlorobutadiene	450	U	17	225	450	ug/Kg
105-60-2	Caprolactam	450	U	21	225	450	ug/Kg
59-50-7	4-Chloro-3-methylphenol	450	U	20	225	450	ug/Kg
91-57-6	2-Methylnaphthalene	450	U	11	225	450	ug/Kg
77-47-4	Hexachlorocyclopentadiene	450	U	11	225	450	ug/Kg
88-06-2	2,4,6-Trichlorophenol	450	U	14	225	450	ug/Kg
95-95-4	2,4,5-Trichlorophenol	450	U	32	225	450	ug/Kg
92-52-4	1,1-Biphenyl	450	U	17	225	450	ug/Kg
91-58-7	2-Chloronaphthalene	450	U	10	225	450	ug/Kg
88-74-4	2-Nitroaniline	450	U	20	225	450	ug/Kg
131-11-3	Dimethylphthalate	250	JB	12	225	450	ug/Kg
208-96-8	Acenaphthylene	450	U	11	225	450	ug/Kg
606-20-2	2,6-Dinitrotoluene	450	U	19	225	450	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-07-10-11	SDG No.:	C1640
Lab Sample ID:	C1640-07	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	27
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044463.D	1	03/25/11	04/04/11	PB54316

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	450	U	29	225	450	ug/Kg
83-32-9	Acenaphthene	450	U	13	225	450	ug/Kg
51-28-5	2,4-Dinitrophenol	450	U	46	225	450	ug/Kg
100-02-7	4-Nitrophenol	450	U	85	225	450	ug/Kg
132-64-9	Dibenzofuran	450	U	18	225	450	ug/Kg
121-14-2	2,4-Dinitrotoluene	450	U	14	225	450	ug/Kg
84-66-2	Diethylphthalate	450	U	7.1	225	450	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	450	U	25	225	450	ug/Kg
86-73-7	Fluorene	450	U	17	225	450	ug/Kg
100-01-6	4-Nitroaniline	450	U	59	225	450	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	450	U	26	225	450	ug/Kg
86-30-6	N-Nitrosodiphenylamine	450	U	11	225	450	ug/Kg
101-55-3	4-Bromophenyl-phenylether	450	U	8.9	225	450	ug/Kg
118-74-1	Hexachlorobenzene	450	U	19	225	450	ug/Kg
1912-24-9	Atrazine	450	U	24	225	450	ug/Kg
87-86-5	Pentachlorophenol	450	U	31	225	450	ug/Kg
85-01-8	Phenanthrene	120	J	12	225	450	ug/Kg
120-12-7	Anthracene	450	U	9.3	225	450	ug/Kg
86-74-8	Carbazole	450	U	10	225	450	ug/Kg
84-74-2	Di-n-butylphthalate	450	U	36	225	450	ug/Kg
206-44-0	Fluoranthene	170	J	9.2	225	450	ug/Kg
129-00-0	Pyrene	140	J	11	225	450	ug/Kg
85-68-7	Butylbenzylphthalate	450	U	22	225	450	ug/Kg
91-94-1	3,3-Dichlorobenzidine	450	U	29	225	450	ug/Kg
56-55-3	Benzo(a)anthracene	71	J	22	225	450	ug/Kg
218-01-9	Chrysene	74	J	21	225	450	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	450	U	16	225	450	ug/Kg
117-84-0	Di-n-octyl phthalate	450	U	5.2	225	450	ug/Kg
205-99-2	Benzo(b)fluoranthene	450	U	15	225	450	ug/Kg
207-08-9	Benzo(k)fluoranthene	450	U	21	225	450	ug/Kg
50-32-8	Benzo(a)pyrene	77	J	9.8	225	450	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	450	U	15	225	450	ug/Kg
53-70-3	Dibenz(a,h)anthracene	450	U	13	225	450	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-07-10-11	SDG No.:	C1640
Lab Sample ID:	C1640-07	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	27
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044463.D	1	03/25/11	04/04/11	PB54316

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	58	J	18	225	450	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	119		26 - 141		80%	SPK: 150
13127-88-3	Phenol-d5	129		28 - 142		86%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.6		30 - 150		83%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.4		19 - 182		61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		29 - 150		89%	SPK: 150
1718-51-0	Terphenyl-d14	56.8		24 - 191		57%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	62378	4.58				
1146-65-2	Naphthalene-d8	248492	5.75				
15067-26-2	Acenaphthene-d10	132013	7.39				
1517-22-2	Phenanthrene-d10	221845	9.02				
1719-03-5	Chrysene-d12	170699	12.17				
1520-96-3	Perylene-d12	156620	13.91				
TENTITIVE IDENTIFIED COMPOUNDS							
	unknown2.69	1200	JB			2.69	ug/Kg
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	500	AB			2.99	ug/Kg
1599-67-3	1-Docosene	230	J			12.11	ug/Kg
4602-84-0	2,6,10-Dodecatrien-1-ol, 3,7,11-tr	97	J			13.33	ug/Kg
192-97-2	Benzo[e]pyrene	100	J			13.41	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-07-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-08	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044516.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	10	U	0.79	5	10	ug/L
108-95-2	Phenol	10	U	0.22	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.57	5	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.56	5	10	ug/L
95-48-7	2-Methylphenol	10	U	0.25	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.18	5	10	ug/L
98-86-2	Acetophenone	10	U	0.14	5	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.39	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.21	5	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	5	10	ug/L
98-95-3	Nitrobenzene	10	U	0.7	5	10	ug/L
78-59-1	Isophorone	10	U	0.31	5	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.54	5	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.73	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.57	5	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.68	5	10	ug/L
91-20-3	Naphthalene	10	U	0.12	5	10	ug/L
106-47-8	4-Chloroaniline	10	U	2.9	5	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	5	10	ug/L
105-60-2	Caprolactam	10	U	2.1	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.41	5	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.25	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.58	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.41	5	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.15	5	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.16	5	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.51	5	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.23	5	10	ug/L
208-96-8	Acenaphthylene	10	U	0.72	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-07-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-08	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044516.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	10	U	1.1	5	10	ug/L
83-32-9	Acenaphthene	10	U	0.22	5	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.2	5	10	ug/L
100-02-7	4-Nitrophenol	10	U	2.1	5	10	ug/L
132-64-9	Dibenzofuran	10	U	0.25	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	5	10	ug/L
84-66-2	Diethylphthalate	10	U	0.39	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.22	5	10	ug/L
86-73-7	Fluorene	10	U	0.32	5	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.76	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.62	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.24	5	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.19	5	10	ug/L
1912-24-9	Atrazine	10	U	0.41	5	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	5	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	5	10	ug/L
120-12-7	Anthracene	10	U	0.16	5	10	ug/L
86-74-8	Carbazole	10	U	0.23	5	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2.1	5	10	ug/L
206-44-0	Fluoranthene	10	U	0.41	5	10	ug/L
129-00-0	Pyrene	10	U	0.21	5	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.2	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	5	10	ug/L
218-01-9	Chrysene	10	U	0.19	5	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.16	5	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.53	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.19	5	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.15	5	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.43	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-07-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-08	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044516.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	48.9		10 - 160		33%	SPK: 150
13127-88-3	Phenol-d5	31.7		10 - 160		21%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.6		20 - 139		94%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.7		10 - 173		83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	138		10 - 169		93%	SPK: 150
1718-51-0	Terphenyl-d14	73.2		20 - 171		73%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	66513	4.56				
1146-65-2	Naphthalene-d8	220923	5.73				
15067-26-2	Acenaphthene-d10	117389	7.37				
1517-22-2	Phenanthrene-d10	198765	8.99				
1719-03-5	Chrysene-d12	162887	12.15				
1520-96-3	Perylene-d12	134109	13.87				
TENTITIVE IDENTIFIED COMPOUNDS							
	unknown1.74	10	J			1.74	ug/L
141-79-7	3-Penten-2-one, 4-methyl-	60	J			2.57	ug/L
	unknown2.68	230	J			2.68	ug/L
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9.4	AB			2.98	ug/L
104-76-7	1-Hexanol, 2-ethyl-	5.9	J			4.63	ug/L
	unknown5.66	2.5	J			5.66	ug/L
	unknown5.90	8.0	J			5.9	ug/L
74367-33-2	Propanoic acid, 2-methyl-, 2,2-dim	3.7	J			6.59	ug/L
	unknown7.83	4.6	J			7.83	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-07-GW-25	SDG No.:	C1640
Lab Sample ID:	C1640-09	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044517.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	10	U	0.8	5	10	ug/L
108-95-2	Phenol	10	U	0.22	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.57	5	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.56	5	10	ug/L
95-48-7	2-Methylphenol	10	U	0.25	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.18	5	10	ug/L
98-86-2	Acetophenone	10	U	0.15	5	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.4	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.21	5	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	5	10	ug/L
98-95-3	Nitrobenzene	10	U	0.71	5	10	ug/L
78-59-1	Isophorone	10	U	0.31	5	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.54	5	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.74	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.57	5	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.69	5	10	ug/L
91-20-3	Naphthalene	10	U	0.12	5	10	ug/L
106-47-8	4-Chloroaniline	10	U	3	5	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	5	10	ug/L
105-60-2	Caprolactam	10	U	2.1	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.42	5	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.25	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.58	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.42	5	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.16	5	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.17	5	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.51	5	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.23	5	10	ug/L
208-96-8	Acenaphthylene	10	U	0.73	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-07-GW-25	SDG No.:	C1640
Lab Sample ID:	C1640-09	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044517.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	10	U	1.1	5	10	ug/L
83-32-9	Acenaphthene	10	U	0.22	5	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.2	5	10	ug/L
100-02-7	4-Nitrophenol	10	U	2.1	5	10	ug/L
132-64-9	Dibenzofuran	10	U	0.25	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	5	10	ug/L
84-66-2	Diethylphthalate	10	U	0.4	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.22	5	10	ug/L
86-73-7	Fluorene	10	U	0.32	5	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.77	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.62	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.24	5	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.19	5	10	ug/L
1912-24-9	Atrazine	10	U	0.42	5	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	5	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	5	10	ug/L
120-12-7	Anthracene	10	U	0.17	5	10	ug/L
86-74-8	Carbazole	10	U	0.23	5	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2.1	5	10	ug/L
206-44-0	Fluoranthene	10	U	0.42	5	10	ug/L
129-00-0	Pyrene	10	U	0.21	5	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.2	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	2.1	J	2.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.17	5	10	ug/L
218-01-9	Chrysene	10	U	0.19	5	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.17	5	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.53	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.19	5	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.15	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.16	5	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.44	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-07-GW-25	SDG No.:	C1640
Lab Sample ID:	C1640-09	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup : N	PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044517.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	62.4		10 - 160		42%	SPK: 150
13127-88-3	Phenol-d5	42.2		10 - 160		28%	SPK: 150
4165-60-0	Nitrobenzene-d5	97		20 - 139		97%	SPK: 100
321-60-8	2-Fluorobiphenyl	88		10 - 173		88%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		10 - 169		103%	SPK: 150
1718-51-0	Terphenyl-d14	76.6		20 - 171		77%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	58895	4.56				
1146-65-2	Naphthalene-d8	217671	5.73				
15067-26-2	Acenaphthene-d10	117863	7.37				
1517-22-2	Phenanthrene-d10	189256	8.99				
1719-03-5	Chrysene-d12	164529	12.15				
1520-96-3	Perylene-d12	160851	13.87				
TENTITIVE IDENTIFIED COMPOUNDS							
	unknown2.68	11	J			2.68	ug/L
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	6.3	AB			2.98	ug/L
	unknown4.63	3.6	J			4.63	ug/L
112-25-4	Ethanol, 2-(hexyloxy)-	3.3	J			5.17	ug/L
	unknown5.20	2.3	J			5.2	ug/L
40938-43-0	4-Chloroaniline, N-isopropylidene	3.1	J			6.32	ug/L
97-85-8	Propanoic acid, 2-methyl-, 2-methy	5.4	J			6.59	ug/L
39151-19-4	3,5-Dimethoxyacetophenone	2.7	J			7.15	ug/L
74381-40-1	Propanoic acid, 2-methyl-, 1-(1,1-	4.4	J			7.83	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-08-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-11	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044518.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	10	U	0.79	5	10	ug/L
108-95-2	Phenol	10	U	0.21	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.56	5	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.55	5	10	ug/L
95-48-7	2-Methylphenol	10	U	0.24	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.17	5	10	ug/L
98-86-2	Acetophenone	10	U	0.14	5	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.39	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.2	5	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	5	10	ug/L
98-95-3	Nitrobenzene	10	U	0.69	5	10	ug/L
78-59-1	Isophorone	10	U	0.31	5	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.53	5	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.72	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.56	5	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.67	5	10	ug/L
91-20-3	Naphthalene	1.6	J	0.12	5	10	ug/L
106-47-8	4-Chloroaniline	10	U	2.9	5	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	5	10	ug/L
105-60-2	Caprolactam	10	U	2	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.41	5	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.24	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.57	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.41	5	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.15	5	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.16	5	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.5	5	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.22	5	10	ug/L
208-96-8	Acenaphthylene	10	U	0.71	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-08-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-11	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044518.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	10	U	1.1	5	10	ug/L
83-32-9	Acenaphthene	10	U	0.21	5	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.1	5	10	ug/L
100-02-7	4-Nitrophenol	10	U	2	5	10	ug/L
132-64-9	Dibenzofuran	10	U	0.24	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	5	10	ug/L
84-66-2	Diethylphthalate	10	U	0.39	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.21	5	10	ug/L
86-73-7	Fluorene	10	U	0.32	5	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.76	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.61	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.23	5	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.18	5	10	ug/L
1912-24-9	Atrazine	10	U	0.41	5	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	5	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	5	10	ug/L
120-12-7	Anthracene	10	U	0.16	5	10	ug/L
86-74-8	Carbazole	10	U	0.22	5	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2	5	10	ug/L
206-44-0	Fluoranthene	10	U	0.41	5	10	ug/L
129-00-0	Pyrene	10	U	0.2	5	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.19	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2	5	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	5	10	ug/L
218-01-9	Chrysene	10	U	0.18	5	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.16	5	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.52	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.18	5	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.15	5	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.43	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-08-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-11	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044518.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	59.4		10 - 160		40%	SPK: 150
13127-88-3	Phenol-d5	34.8		10 - 160		23%	SPK: 150
4165-60-0	Nitrobenzene-d5	101		20 - 139		101%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.8		10 - 173		97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	151		10 - 169		101%	SPK: 150
1718-51-0	Terphenyl-d14	73.8		20 - 171		74%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	54061	4.56				
1146-65-2	Naphthalene-d8	188797	5.73				
15067-26-2	Acenaphthene-d10	90222	7.37				
1517-22-2	Phenanthrene-d10	148236	9				
1719-03-5	Chrysene-d12	123364	12.15				
1520-96-3	Perylene-d12	129345	13.87				
TENTITIVE IDENTIFIED COMPOUNDS							
	unknown3.77	20	J			3.77	ug/L
1678-92-8	Cyclohexane, propyl-	16	J			3.86	ug/L
103-65-1	Benzene, propyl-	12	J			4.05	ug/L
141-93-5	Benzene, 1,3-diethyl-	25	J			4.8	ug/L
934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	24	J			4.87	ug/L
933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	15	J			4.89	ug/L
535-77-3	Benzene, 1-methyl-3-(1-methylethyl	20	J			5.29	ug/L
824-90-8	1-Phenyl-1-butene	12	J			5.45	ug/L
95-93-2	Benzene, 1,2,4,5-tetramethyl-	29	J			5.51	ug/L
611-01-8	Benzoic acid, 2,4-dimethyl-	75	J			6.57	ug/L
	unknown6.89	28	J			6.89	ug/L
	unknown7.03	11	J			7.03	ug/L
536-66-3	Benzoic acid, 4-(1-methylethyl)-	10	J			7.09	ug/L
	unknown7.31	21	J			7.31	ug/L
939-90-2	trans-2-Phenyl-1-cyclopropanecarbo	26	J			7.51	ug/L
6120-95-2	Cyclopropanecarboxylic acid, 1-phe	20	J			7.53	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-08-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-11	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044518.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
2243-53-0	3-Butenoic acid, 4-phenyl-	32	J			7.71	ug/L
	unknown7.77	11	J			7.77	ug/L
53774-19-9	3-Pentenoic acid, 4-phenyl-	68	J			7.95	ug/L
13674-87-8	Tris(1,3-dichloroisopropyl)phospha	9.8	J			11.41	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-08-GW-25	SDG No.:	C1640
Lab Sample ID:	C1640-12	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044526.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	10	U	0.79	5	10	ug/L
108-95-2	Phenol	10	U	0.22	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.57	5	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.56	5	10	ug/L
95-48-7	2-Methylphenol	10	U	0.25	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.18	5	10	ug/L
98-86-2	Acetophenone	10	U	0.14	5	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.39	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.21	5	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	5	10	ug/L
98-95-3	Nitrobenzene	10	U	0.7	5	10	ug/L
78-59-1	Isophorone	10	U	0.31	5	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.54	5	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.73	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.57	5	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.68	5	10	ug/L
91-20-3	Naphthalene	10	U	0.12	5	10	ug/L
106-47-8	4-Chloroaniline	10	U	2.9	5	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	5	10	ug/L
105-60-2	Caprolactam	10	U	2.1	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.41	5	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.25	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.58	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.41	5	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.15	5	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.16	5	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.51	5	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.23	5	10	ug/L
208-96-8	Acenaphthylene	10	U	0.72	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-08-GW-25	SDG No.:	C1640
Lab Sample ID:	C1640-12	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044526.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	10	U	1.1	5	10	ug/L
83-32-9	Acenaphthene	10	U	0.22	5	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.2	5	10	ug/L
100-02-7	4-Nitrophenol	10	U	2.1	5	10	ug/L
132-64-9	Dibenzofuran	10	U	0.25	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	5	10	ug/L
84-66-2	Diethylphthalate	10	U	0.39	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.22	5	10	ug/L
86-73-7	Fluorene	10	U	0.32	5	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.76	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.62	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.24	5	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.19	5	10	ug/L
1912-24-9	Atrazine	10	U	0.41	5	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	5	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	5	10	ug/L
120-12-7	Anthracene	10	U	0.16	5	10	ug/L
86-74-8	Carbazole	10	U	0.23	5	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2.1	5	10	ug/L
206-44-0	Fluoranthene	10	U	0.41	5	10	ug/L
129-00-0	Pyrene	10	U	0.21	5	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.2	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	5	10	ug/L
218-01-9	Chrysene	10	U	0.19	5	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.16	5	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.53	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.19	5	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.15	5	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.43	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-08-GW-25	SDG No.:	C1640
Lab Sample ID:	C1640-12	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044526.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	52.7		10 - 160		35%	SPK: 150
13127-88-3	Phenol-d5	32.5		10 - 160		22%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.1		20 - 139		98%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.4		10 - 173		94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	155		10 - 169		104%	SPK: 150
1718-51-0	Terphenyl-d14	77.8		20 - 171		78%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	63636	4.56				
1146-65-2	Naphthalene-d8	226145	5.73				
15067-26-2	Acenaphthene-d10	115911	7.37				
1517-22-2	Phenanthrene-d10	188213	9				
1719-03-5	Chrysene-d12	159123	12.15				
1520-96-3	Perylene-d12	157267	13.87				
TENTITIVE IDENTIFIED COMPOUNDS							
127-18-4	Tetrachloroethylene	13	J			2.67	ug/L
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.6	AB			2.97	ug/L
1330-86-5	Diisooctyl adipate	2.6	J			11.64	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-09-9-10	SDG No.:	C1640
Lab Sample ID:	C1640-13	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	21
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044462.D	1	03/25/11	04/04/11	PB54316

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	420	U	22	210	420	ug/Kg
108-95-2	Phenol	420	U	9.7	210	420	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	420	U	20	210	420	ug/Kg
95-57-8	2-Chlorophenol	420	U	22	210	420	ug/Kg
95-48-7	2-Methylphenol	420	U	23	210	420	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	420	U	17	210	420	ug/Kg
98-86-2	Acetophenone	420	U	13	210	420	ug/Kg
65794-96-9	3+4-Methylphenols	420	U	22	210	420	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	420	U	21	210	420	ug/Kg
67-72-1	Hexachloroethane	420	U	19	210	420	ug/Kg
98-95-3	Nitrobenzene	420	U	16	210	420	ug/Kg
78-59-1	Isophorone	420	U	14	210	420	ug/Kg
88-75-5	2-Nitrophenol	420	U	20	210	420	ug/Kg
105-67-9	2,4-Dimethylphenol	420	U	24	210	420	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	420	U	24	210	420	ug/Kg
120-83-2	2,4-Dichlorophenol	420	U	16	210	420	ug/Kg
91-20-3	Naphthalene	420	U	15	210	420	ug/Kg
106-47-8	4-Chloroaniline	420	U	30	210	420	ug/Kg
87-68-3	Hexachlorobutadiene	420	U	15	210	420	ug/Kg
105-60-2	Caprolactam	420	U	20	210	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	420	U	19	210	420	ug/Kg
91-57-6	2-Methylnaphthalene	420	U	11	210	420	ug/Kg
77-47-4	Hexachlorocyclopentadiene	420	U	10	210	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	420	U	13	210	420	ug/Kg
95-95-4	2,4,5-Trichlorophenol	420	U	30	210	420	ug/Kg
92-52-4	1,1-Biphenyl	420	U	16	210	420	ug/Kg
91-58-7	2-Chloronaphthalene	420	U	9.6	210	420	ug/Kg
88-74-4	2-Nitroaniline	420	U	19	210	420	ug/Kg
131-11-3	Dimethylphthalate	330	JB	11	210	420	ug/Kg
208-96-8	Acenaphthylene	420	U	11	210	420	ug/Kg
606-20-2	2,6-Dinitrotoluene	420	U	17	210	420	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-09-9-10	SDG No.:	C1640
Lab Sample ID:	C1640-13	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	21
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044462.D	1	03/25/11	04/04/11	PB54316

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	420	U	27	210	420	ug/Kg
83-32-9	Acenaphthene	420	U	12	210	420	ug/Kg
51-28-5	2,4-Dinitrophenol	420	U	43	210	420	ug/Kg
100-02-7	4-Nitrophenol	420	U	78	210	420	ug/Kg
132-64-9	Dibenzofuran	420	U	16	210	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	420	U	13	210	420	ug/Kg
84-66-2	Diethylphthalate	420	U	6.6	210	420	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	420	U	23	210	420	ug/Kg
86-73-7	Fluorene	420	U	16	210	420	ug/Kg
100-01-6	4-Nitroaniline	420	U	55	210	420	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	420	U	24	210	420	ug/Kg
86-30-6	N-Nitrosodiphenylamine	420	U	10	210	420	ug/Kg
101-55-3	4-Bromophenyl-phenylether	420	U	8.2	210	420	ug/Kg
118-74-1	Hexachlorobenzene	420	U	17	210	420	ug/Kg
1912-24-9	Atrazine	420	U	22	210	420	ug/Kg
87-86-5	Pentachlorophenol	420	U	29	210	420	ug/Kg
85-01-8	Phenanthrene	420	U	11	210	420	ug/Kg
120-12-7	Anthracene	420	U	8.6	210	420	ug/Kg
86-74-8	Carbazole	420	U	9.2	210	420	ug/Kg
84-74-2	Di-n-butylphthalate	420	U	33	210	420	ug/Kg
206-44-0	Fluoranthene	420	U	8.5	210	420	ug/Kg
129-00-0	Pyrene	420	U	10	210	420	ug/Kg
85-68-7	Butylbenzylphthalate	420	U	20	210	420	ug/Kg
91-94-1	3,3-Dichlorobenzidine	420	U	27	210	420	ug/Kg
56-55-3	Benzo(a)anthracene	420	U	20	210	420	ug/Kg
218-01-9	Chrysene	420	U	19	210	420	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	74	J	15	210	420	ug/Kg
117-84-0	Di-n-octyl phthalate	420	U	4.8	210	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	420	U	14	210	420	ug/Kg
207-08-9	Benzo(k)fluoranthene	420	U	20	210	420	ug/Kg
50-32-8	Benzo(a)pyrene	420	U	9.1	210	420	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	420	U	14	210	420	ug/Kg
53-70-3	Dibenz(a,h)anthracene	420	U	12	210	420	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-09-9-10	SDG No.:	C1640
Lab Sample ID:	C1640-13	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	21
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044462.D	1	03/25/11	04/04/11	PB54316

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	420	U	17	210	420	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	137		26 - 141		92%	SPK: 150
13127-88-3	Phenol-d5	136		28 - 142		91%	SPK: 150
4165-60-0	Nitrobenzene-d5	92		30 - 150		92%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.7		19 - 182		61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		29 - 150		95%	SPK: 150
1718-51-0	Terphenyl-d14	67.7		24 - 191		68%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	53307	4.58				
1146-65-2	Naphthalene-d8	196888	5.75				
15067-26-2	Acenaphthene-d10	124309	7.39				
1517-22-2	Phenanthrene-d10	199827	9.02				
1719-03-5	Chrysene-d12	165034	12.17				
1520-96-3	Perylene-d12	170024	13.9				
TENTITIVE IDENTIFIED COMPOUNDS							
3728-56-1	1-Ethyl-4-methylcyclohexane	430	J			3.67	ug/Kg
592-46-1	2,4-Hexadiene	680	J			3.79	ug/Kg
5911-04-6	Nonane, 3-methyl-	1400	J			3.87	ug/Kg
62108-23-0	Decane, 2,5,6-trimethyl-	910	J			4.05	ug/Kg
17301-94-9	Nonane, 4-methyl-	460	J			4.12	ug/Kg
6783-92-2	Cyclohexane, 1,1,2,3-tetramethyl-	670	J			4.14	ug/Kg
583-57-3	Cyclohexane, 1,2-dimethyl-	610	J			4.45	ug/Kg
1560-96-9	Tridecane, 2-methyl-	580	J			4.65	ug/Kg
141-93-5	Benzene, 1,3-diethyl-	520	J			4.82	ug/Kg
1002-68-2	3-Undecene, (E)-	500	J			4.84	ug/Kg
13151-35-4	Decane, 5-methyl-	410	J			4.86	ug/Kg
104-51-8	Benzene, butyl-	460	J			4.89	ug/Kg
91-17-8	Naphthalene, decahydro-	740	J			4.95	ug/Kg
	unknown5.19	1100	JB			5.19	ug/Kg
13151-99-0	Cyclooctane, 1,4-dimethyl-, cis-	450	J			5.23	ug/Kg
	unknown5.26	600	JB			5.26	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-09-9-10	SDG No.:	C1640
Lab Sample ID:	C1640-13	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	21
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044462.D	1	03/25/11	04/04/11	PB54316

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
618-47-3	m-Toluamide	730	J			5.3	ug/Kg
17312-54-8	Decane, 3,7-dimethyl-	780	J			5.33	ug/Kg
29949-27-7	n-Amylcyclohexane	980	J			5.43	ug/Kg
10544-50-0	Cyclic octaatomic sulfur	1700	J			10.52	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-09-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-14	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044527.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	10	U	0.79	5	10	ug/L
108-95-2	Phenol	10	U	0.21	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.56	5	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.55	5	10	ug/L
95-48-7	2-Methylphenol	10	U	0.24	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.17	5	10	ug/L
98-86-2	Acetophenone	10	U	0.14	5	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.39	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.2	5	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	5	10	ug/L
98-95-3	Nitrobenzene	10	U	0.69	5	10	ug/L
78-59-1	Isophorone	10	U	0.31	5	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.53	5	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.72	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.56	5	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.67	5	10	ug/L
91-20-3	Naphthalene	10	U	0.12	5	10	ug/L
106-47-8	4-Chloroaniline	10	U	2.9	5	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	5	10	ug/L
105-60-2	Caprolactam	10	U	2	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.41	5	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.24	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.57	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.41	5	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.15	5	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.16	5	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.5	5	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.22	5	10	ug/L
208-96-8	Acenaphthylene	10	U	0.71	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	5	10	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-09-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-14	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044527.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	10	U	1.1	5	10	ug/L
83-32-9	Acenaphthene	10	U	0.21	5	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.1	5	10	ug/L
100-02-7	4-Nitrophenol	10	U	2	5	10	ug/L
132-64-9	Dibenzofuran	10	U	0.24	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	5	10	ug/L
84-66-2	Diethylphthalate	10	U	0.39	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.21	5	10	ug/L
86-73-7	Fluorene	10	U	0.32	5	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.76	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.61	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.23	5	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.18	5	10	ug/L
1912-24-9	Atrazine	10	U	0.41	5	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	5	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	5	10	ug/L
120-12-7	Anthracene	10	U	0.16	5	10	ug/L
86-74-8	Carbazole	10	U	0.22	5	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2	5	10	ug/L
206-44-0	Fluoranthene	10	U	0.41	5	10	ug/L
129-00-0	Pyrene	10	U	0.2	5	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.19	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2	5	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	5	10	ug/L
218-01-9	Chrysene	10	U	0.18	5	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.16	5	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.52	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.18	5	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.15	5	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.43	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-09-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-14	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044527.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	66.3		10 - 160		44%	SPK: 150
13127-88-3	Phenol-d5	40.6		10 - 160		27%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.8		20 - 139		98%	SPK: 100
321-60-8	2-Fluorobiphenyl	96		10 - 173		96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	168		10 - 169		113%	SPK: 150
1718-51-0	Terphenyl-d14	83.1		20 - 171		83%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	53337	4.56				
1146-65-2	Naphthalene-d8	188556	5.73				
15067-26-2	Acenaphthene-d10	98164	7.37				
1517-22-2	Phenanthrene-d10	171182	9				
1719-03-5	Chrysene-d12	136234	12.15				
1520-96-3	Perylene-d12	143329	13.87				
TENTITIVE IDENTIFIED COMPOUNDS							
127-18-4	Tetrachloroethylene	5.3	J			2.68	ug/L
	unknown3.65	9.5	J			3.65	ug/L
	unknown3.77	19	J			3.77	ug/L
1678-92-8	Cyclohexane, propyl-	18	J			3.86	ug/L
13152-05-1	Cyclooctene, 3-methyl-	8.3	J			4.03	ug/L
103-65-1	Benzene, propyl-	14	J			4.05	ug/L
	unknown4.12	10	J			4.12	ug/L
4551-51-3	1H-Indene, octahydro-, cis-	4.4	J			4.41	ug/L
538-93-2	Benzene, (2-methylpropyl)-	9.3	J			4.51	ug/L
141-93-5	Benzene, 1,3-diethyl-	19	J			4.8	ug/L
62690-65-7	Naphthalene, 1,2,3,5,8,8a-hexahydr	20	J			4.87	ug/L
135-01-3	Benzene, 1,2-diethyl-	8.2	J			4.89	ug/L
91-17-8	Naphthalene, decahydro-	8.2	J			4.93	ug/L
	unknown5.17	8.2	J			5.17	ug/L
4912-92-9	1H-Indene, 2,3-dihydro-1,1-dimethy	4.8	J			5.21	ug/L
1000163-57-6	Spiro[4.4]nona-1,3-diene, 1,2-dime	4.8	J			5.27	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-09-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-14	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup : N	PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044527.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	13	J			5.29	ug/L
2050-24-0	Benzene, 1,3-diethyl-5-methyl-	11	J			5.44	ug/L
488-23-3	Benzene, 1,2,3,4-tetramethyl-	18	J			5.51	ug/L
	unknown11.56	4.3	J			11.56	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-09-GW-25	SDG No.:	C1640
Lab Sample ID:	C1640-15	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044528.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	10	U	0.8	5	10	ug/L
108-95-2	Phenol	10	U	0.22	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.57	5	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.56	5	10	ug/L
95-48-7	2-Methylphenol	10	U	0.25	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.18	5	10	ug/L
98-86-2	Acetophenone	10	U	0.15	5	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.4	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.21	5	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	5	10	ug/L
98-95-3	Nitrobenzene	10	U	0.71	5	10	ug/L
78-59-1	Isophorone	10	U	0.31	5	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.54	5	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.74	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.57	5	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.69	5	10	ug/L
91-20-3	Naphthalene	10	U	0.12	5	10	ug/L
106-47-8	4-Chloroaniline	10	U	3	5	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	5	10	ug/L
105-60-2	Caprolactam	10	U	2.1	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.42	5	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.25	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.58	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.42	5	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.16	5	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.17	5	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.51	5	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.23	5	10	ug/L
208-96-8	Acenaphthylene	10	U	0.73	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-09-GW-25	SDG No.:	C1640
Lab Sample ID:	C1640-15	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044528.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	10	U	1.1	5	10	ug/L
83-32-9	Acenaphthene	10	U	0.22	5	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.2	5	10	ug/L
100-02-7	4-Nitrophenol	10	U	2.1	5	10	ug/L
132-64-9	Dibenzofuran	10	U	0.25	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	5	10	ug/L
84-66-2	Diethylphthalate	10	U	0.4	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.22	5	10	ug/L
86-73-7	Fluorene	10	U	0.32	5	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.77	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.62	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.24	5	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.19	5	10	ug/L
1912-24-9	Atrazine	10	U	0.42	5	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	5	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	5	10	ug/L
120-12-7	Anthracene	10	U	0.17	5	10	ug/L
86-74-8	Carbazole	10	U	0.23	5	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2.1	5	10	ug/L
206-44-0	Fluoranthene	10	U	0.42	5	10	ug/L
129-00-0	Pyrene	10	U	0.21	5	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.2	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.17	5	10	ug/L
218-01-9	Chrysene	10	U	0.19	5	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.17	5	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.53	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.19	5	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.15	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.16	5	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.44	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-09-GW-25	SDG No.:	C1640
Lab Sample ID:	C1640-15	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044528.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	60		10 - 160		40%	SPK: 150
13127-88-3	Phenol-d5	38.1		10 - 160		25%	SPK: 150
4165-60-0	Nitrobenzene-d5	98		20 - 139		98%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.3		10 - 173		92%	SPK: 100
118-79-6	2,4,6-Tribromophenol	151		10 - 169		101%	SPK: 150
1718-51-0	Terphenyl-d14	79.1		20 - 171		79%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	60939	4.56				
1146-65-2	Naphthalene-d8	224147	5.73				
15067-26-2	Acenaphthene-d10	120063	7.37				
1517-22-2	Phenanthrene-d10	191947	9				
1719-03-5	Chrysene-d12	159287	12.15				
1520-96-3	Perylene-d12	159474	13.87				
TENTITIVE IDENTIFIED COMPOUNDS							
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.9	AB			2.98	ug/L
103-23-1	Hexanedioic acid, bis(2-ethylhexyl	2.5	J			11.64	ug/L
	unknown11.79	2.2	J			11.79	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-10-11	SDG No.:	C1640
Lab Sample ID:	C1640-16	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	18
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044443.D	1	03/25/11	04/02/11	PB54316

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	400	U	21	200	400	ug/Kg
108-95-2	Phenol	400	U	9.4	200	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	400	U	19	200	400	ug/Kg
95-57-8	2-Chlorophenol	400	U	21	200	400	ug/Kg
95-48-7	2-Methylphenol	400	U	22	200	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	400	U	17	200	400	ug/Kg
98-86-2	Acetophenone	400	U	12	200	400	ug/Kg
65794-96-9	3+4-Methylphenols	400	U	21	200	400	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	400	U	20	200	400	ug/Kg
67-72-1	Hexachloroethane	400	U	18	200	400	ug/Kg
98-95-3	Nitrobenzene	400	U	15	200	400	ug/Kg
78-59-1	Isophorone	400	U	13	200	400	ug/Kg
88-75-5	2-Nitrophenol	400	U	20	200	400	ug/Kg
105-67-9	2,4-Dimethylphenol	260	J	23	200	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	400	U	23	200	400	ug/Kg
120-83-2	2,4-Dichlorophenol	400	U	15	200	400	ug/Kg
91-20-3	Naphthalene	400	U	14	200	400	ug/Kg
106-47-8	4-Chloroaniline	400	U	29	200	400	ug/Kg
87-68-3	Hexachlorobutadiene	400	U	15	200	400	ug/Kg
105-60-2	Caprolactam	400	U	19	200	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	400	U	18	200	400	ug/Kg
91-57-6	2-Methylnaphthalene	400	U	10	200	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	400	U	9.8	200	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	400	U	12	200	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	400	U	28	200	400	ug/Kg
92-52-4	1,1-Biphenyl	400	U	15	200	400	ug/Kg
91-58-7	2-Chloronaphthalene	400	U	9.2	200	400	ug/Kg
88-74-4	2-Nitroaniline	400	U	18	200	400	ug/Kg
131-11-3	Dimethylphthalate	450	B	11	200	400	ug/Kg
208-96-8	Acenaphthylene	400	U	10	200	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	400	U	17	200	400	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-10-11	SDG No.:	C1640
Lab Sample ID:	C1640-16	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	18
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044443.D	1	03/25/11	04/02/11	PB54316

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	400	U	26	200	400	ug/Kg
83-32-9	Acenaphthene	400	U	11	200	400	ug/Kg
51-28-5	2,4-Dinitrophenol	400	U	41	200	400	ug/Kg
100-02-7	4-Nitrophenol	400	U	75	200	400	ug/Kg
132-64-9	Dibenzofuran	400	U	16	200	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	400	U	12	200	400	ug/Kg
84-66-2	Diethylphthalate	400	U	6.3	200	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	400	U	22	200	400	ug/Kg
86-73-7	Fluorene	400	U	15	200	400	ug/Kg
100-01-6	4-Nitroaniline	400	U	53	200	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	400	U	23	200	400	ug/Kg
86-30-6	N-Nitrosodiphenylamine	400	U	9.7	200	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	400	U	7.9	200	400	ug/Kg
118-74-1	Hexachlorobenzene	400	U	17	200	400	ug/Kg
1912-24-9	Atrazine	400	U	21	200	400	ug/Kg
87-86-5	Pentachlorophenol	400	U	28	200	400	ug/Kg
85-01-8	Phenanthrene	81	J	11	200	400	ug/Kg
120-12-7	Anthracene	400	U	8.3	200	400	ug/Kg
86-74-8	Carbazole	400	U	8.9	200	400	ug/Kg
84-74-2	Di-n-butylphthalate	400	U	32	200	400	ug/Kg
206-44-0	Fluoranthene	140	J	8.1	200	400	ug/Kg
129-00-0	Pyrene	190	J	9.7	200	400	ug/Kg
85-68-7	Butylbenzylphthalate	400	U	19	200	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	400	U	26	200	400	ug/Kg
56-55-3	Benzo(a)anthracene	57	J	19	200	400	ug/Kg
218-01-9	Chrysene	63	J	18	200	400	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	460		14	200	400	ug/Kg
117-84-0	Di-n-octyl phthalate	400	U	4.6	200	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	65	J	13	200	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	400	U	19	200	400	ug/Kg
50-32-8	Benzo(a)pyrene	400	U	8.8	200	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	400	U	13	200	400	ug/Kg
53-70-3	Dibenz(a,h)anthracene	400	U	12	200	400	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-10-11	SDG No.:	C1640
Lab Sample ID:	C1640-16	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	18
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044443.D	1	03/25/11	04/02/11	PB54316

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	400	U	16	200	400	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	145		26 - 141		97%	SPK: 150
13127-88-3	Phenol-d5	130		28 - 142		87%	SPK: 150
4165-60-0	Nitrobenzene-d5	143		30 - 150		143%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.3		19 - 182		68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		29 - 150		95%	SPK: 150
1718-51-0	Terphenyl-d14	100		24 - 191		100%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	50411	4.6				
1146-65-2	Naphthalene-d8	165473	5.77				
15067-26-2	Acenaphthene-d10	101579	7.41				
1517-22-2	Phenanthrene-d10	165505	9.04				
1719-03-5	Chrysene-d12	85895	12.2				
1520-96-3	Perylene-d12	97524	13.94				
TENTITIVE IDENTIFIED COMPOUNDS							
4923-78-8	Cyclohexane, 1-ethyl-2-methyl-, tr	640	J			3.69	ug/Kg
1528-30-9	Cyclopentane, methylene-	930	J			3.81	ug/Kg
2051-30-1	Octane, 2,6-dimethyl-	2200	J			3.9	ug/Kg
14676-29-0	Heptane, 3-ethyl-2-methyl-	890	J			3.95	ug/Kg
17615-91-7	Undecane, 5,6-dimethyl-	1100	J			4.08	ug/Kg
6783-92-2	Cyclohexane, 1,1,2,3-tetramethyl-	940	J			4.17	ug/Kg
4291-79-6	Cyclohexane, 1-methyl-2-propyl-	720	J			4.48	ug/Kg
62016-18-6	Octane, 5-ethyl-2-methyl-	980	J			4.68	ug/Kg
141-93-5	Benzene, 1,3-diethyl-	920	J			4.85	ug/Kg
821-97-6	3-Undecene, (Z)-	1200	J			4.87	ug/Kg
91-17-8	Naphthalene, decahydro-	1000	J			4.98	ug/Kg
2234-75-5	Cyclohexane, 1,2,4-trimethyl-	4300	J			5.22	ug/Kg
1000280-07-7	Pentafluoropropionic acid, octadec	1600	J			5.26	ug/Kg
	unknown5.28	2000	JB			5.28	ug/Kg
	unknown5.32	2400	JB			5.32	ug/Kg
1000101-47-9	1-Iodo-2-methylnonane	2900	J			5.35	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-10-11	SDG No.:	C1640
Lab Sample ID:	C1640-16	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	18
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044443.D	1	03/25/11	04/02/11	PB54316

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
1120-21-4	Undecane	720	J			5.4	ug/Kg
	unknown5.58	680	JB			5.58	ug/Kg
17301-28-9	Undecane, 3,6-dimethyl-	620	J			5.85	ug/Kg
	unknown10.54	2000	JB			10.54	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-17	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044530.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	10	U	0.8	5	10	ug/L
108-95-2	Phenol	10	U	0.22	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.57	5	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.56	5	10	ug/L
95-48-7	2-Methylphenol	10	U	0.25	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.18	5	10	ug/L
98-86-2	Acetophenone	10	U	0.15	5	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.4	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.21	5	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	5	10	ug/L
98-95-3	Nitrobenzene	10	U	0.71	5	10	ug/L
78-59-1	Isophorone	10	U	0.31	5	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.54	5	10	ug/L
105-67-9	2,4-Dimethylphenol	2.5	J	0.74	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.57	5	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.69	5	10	ug/L
91-20-3	Naphthalene	10	U	0.12	5	10	ug/L
106-47-8	4-Chloroaniline	10	U	3	5	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	5	10	ug/L
105-60-2	Caprolactam	10	U	2.1	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.42	5	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.25	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.58	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.42	5	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.16	5	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.17	5	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.51	5	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.23	5	10	ug/L
208-96-8	Acenaphthylene	10	U	0.73	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-17	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044530.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	10	U	1.1	5	10	ug/L
83-32-9	Acenaphthene	10	U	0.22	5	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.2	5	10	ug/L
100-02-7	4-Nitrophenol	10	U	2.1	5	10	ug/L
132-64-9	Dibenzofuran	10	U	0.25	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	5	10	ug/L
84-66-2	Diethylphthalate	10	U	0.4	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.22	5	10	ug/L
86-73-7	Fluorene	10	U	0.32	5	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.77	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.62	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.24	5	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.19	5	10	ug/L
1912-24-9	Atrazine	10	U	0.42	5	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	5	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	5	10	ug/L
120-12-7	Anthracene	10	U	0.17	5	10	ug/L
86-74-8	Carbazole	10	U	0.23	5	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2.1	5	10	ug/L
206-44-0	Fluoranthene	10	U	0.42	5	10	ug/L
129-00-0	Pyrene	10	U	0.21	5	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.2	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.17	5	10	ug/L
218-01-9	Chrysene	10	U	0.19	5	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	1.9	J	0.17	5	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.53	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.19	5	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.15	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.16	5	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.44	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-17	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044530.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	9.49	*	10 - 160		6%	SPK: 150
13127-88-3	Phenol-d5	7.97	*	10 - 160		5%	SPK: 150
4165-60-0	Nitrobenzene-d5	44.5		20 - 139		44%	SPK: 100
321-60-8	2-Fluorobiphenyl	16.1		10 - 173		16%	SPK: 100
118-79-6	2,4,6-Tribromophenol	18.6		10 - 169		12%	SPK: 150
1718-51-0	Terphenyl-d14	15.4	*	20 - 171		15%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	43934	4.56				
1146-65-2	Naphthalene-d8	144286	5.73				
15067-26-2	Acenaphthene-d10	95016	7.37				
1517-22-2	Phenanthrene-d10	175383	9				
1719-03-5	Chrysene-d12	144846	12.15				
1520-96-3	Perylene-d12	143588	13.87				
TENTITIVE IDENTIFIED COMPOUNDS							
3728-54-9	Cyclohexane, 1-ethyl-2-methyl-	15	J			3.65	ug/L
	unknown3.77	25	J			3.77	ug/L
	unknown3.86	51	J			3.86	ug/L
14676-29-0	Heptane, 3-ethyl-2-methyl-	16	J			3.91	ug/L
	unknown4.03	35	J			4.03	ug/L
4057-42-5	2-Octene, 2,6-dimethyl-	21	J			4.12	ug/L
4291-79-6	Cyclohexane, 1-methyl-2-propyl-	25	J			4.44	ug/L
17312-82-2	Undecane, 4,6-dimethyl-	25	J			4.63	ug/L
141-93-5	Benzene, 1,3-diethyl-	26	J			4.8	ug/L
71186-27-1	1-Ethyl-2,2,6-trimethylcyclohexane	27	J			4.82	ug/L
104-53-0	Benzenepropanal	14	J			4.87	ug/L
493-02-7	Naphthalene, decahydro-, trans-	24	J			4.93	ug/L
	unknown4.97	15	J			4.97	ug/L
89-74-7	Ethanone, 1-(2,4-dimethylphenyl)-	52	J			5.17	ug/L
	unknown5.22	27	J			5.22	ug/L
	unknown5.25	22	J			5.25	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-GW-13	SDG No.:	C1640
Lab Sample ID:	C1640-17	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup : N	PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044530.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
95-93-2	Benzene, 1,2,4,5-tetramethyl-	37	J			5.29	ug/L
	unknown5.32	39	J			5.32	ug/L
	unknown5.37	18	J			5.37	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-GW-13RE	SDG No.:	C1640
Lab Sample ID:	C1640-17RE	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044546.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	10	U	0.8	5	10	ug/L
108-95-2	Phenol	10	U	0.22	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.57	5	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.56	5	10	ug/L
95-48-7	2-Methylphenol	10	U	0.25	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.18	5	10	ug/L
98-86-2	Acetophenone	10	U	0.15	5	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.4	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.21	5	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	5	10	ug/L
98-95-3	Nitrobenzene	10	U	0.71	5	10	ug/L
78-59-1	Isophorone	10	U	0.31	5	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.54	5	10	ug/L
105-67-9	2,4-Dimethylphenol	2	J	0.74	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.57	5	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.69	5	10	ug/L
91-20-3	Naphthalene	10	U	0.12	5	10	ug/L
106-47-8	4-Chloroaniline	10	U	3	5	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	5	10	ug/L
105-60-2	Caprolactam	10	U	2.1	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.42	5	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.25	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.58	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.42	5	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.16	5	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.17	5	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.51	5	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.23	5	10	ug/L
208-96-8	Acenaphthylene	10	U	0.73	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-GW-13RE	SDG No.:	C1640
Lab Sample ID:	C1640-17RE	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044546.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	10	U	1.1	5	10	ug/L
83-32-9	Acenaphthene	10	U	0.22	5	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.2	5	10	ug/L
100-02-7	4-Nitrophenol	10	U	2.1	5	10	ug/L
132-64-9	Dibenzofuran	10	U	0.25	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	5	10	ug/L
84-66-2	Diethylphthalate	10	U	0.4	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.22	5	10	ug/L
86-73-7	Fluorene	10	U	0.32	5	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.77	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.62	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.24	5	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.19	5	10	ug/L
1912-24-9	Atrazine	10	U	0.42	5	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	5	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	5	10	ug/L
120-12-7	Anthracene	10	U	0.17	5	10	ug/L
86-74-8	Carbazole	10	U	0.23	5	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2.1	5	10	ug/L
206-44-0	Fluoranthene	10	U	0.42	5	10	ug/L
129-00-0	Pyrene	10	U	0.21	5	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.2	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.17	5	10	ug/L
218-01-9	Chrysene	10	U	0.19	5	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	1.8	J	0.17	5	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.53	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.19	5	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.15	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.16	5	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.44	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-GW-13RE	SDG No.:	C1640
Lab Sample ID:	C1640-17RE	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044546.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	10.3	*	10 - 160		7%	SPK: 150
13127-88-3	Phenol-d5	8.15	*	10 - 160		5%	SPK: 150
4165-60-0	Nitrobenzene-d5	37.4		20 - 139		37%	SPK: 100
321-60-8	2-Fluorobiphenyl	16.7		10 - 173		17%	SPK: 100
118-79-6	2,4,6-Tribromophenol	19.2		10 - 169		13%	SPK: 150
1718-51-0	Terphenyl-d14	17.4	*	20 - 171		17%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	51949	4.55				
1146-65-2	Naphthalene-d8	182048	5.72				
15067-26-2	Acenaphthene-d10	117240	7.36				
1517-22-2	Phenanthrene-d10	211601	8.97				
1719-03-5	Chrysene-d12	163259	12.13				
1520-96-3	Perylene-d12	170993	13.84				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-GW-25	SDG No.:	C1640
Lab Sample ID:	C1640-18	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044529.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	10	U	0.79	5	10	ug/L
108-95-2	Phenol	10	U	0.21	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.56	5	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.55	5	10	ug/L
95-48-7	2-Methylphenol	10	U	0.24	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.17	5	10	ug/L
98-86-2	Acetophenone	10	U	0.14	5	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.39	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.2	5	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	5	10	ug/L
98-95-3	Nitrobenzene	10	U	0.69	5	10	ug/L
78-59-1	Isophorone	10	U	0.31	5	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.53	5	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.72	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.56	5	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.67	5	10	ug/L
91-20-3	Naphthalene	10	U	0.12	5	10	ug/L
106-47-8	4-Chloroaniline	10	U	2.9	5	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	5	10	ug/L
105-60-2	Caprolactam	10	U	2	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.41	5	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.24	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.57	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.41	5	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.15	5	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.16	5	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.5	5	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.22	5	10	ug/L
208-96-8	Acenaphthylene	10	U	0.71	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-GW-25	SDG No.:	C1640
Lab Sample ID:	C1640-18	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044529.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	10	U	1.1	5	10	ug/L
83-32-9	Acenaphthene	10	U	0.21	5	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.1	5	10	ug/L
100-02-7	4-Nitrophenol	10	U	2	5	10	ug/L
132-64-9	Dibenzofuran	10	U	0.24	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	5	10	ug/L
84-66-2	Diethylphthalate	10	U	0.39	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.21	5	10	ug/L
86-73-7	Fluorene	10	U	0.32	5	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.76	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.61	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.23	5	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.18	5	10	ug/L
1912-24-9	Atrazine	10	U	0.41	5	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	5	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	5	10	ug/L
120-12-7	Anthracene	10	U	0.16	5	10	ug/L
86-74-8	Carbazole	10	U	0.22	5	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2	5	10	ug/L
206-44-0	Fluoranthene	10	U	0.41	5	10	ug/L
129-00-0	Pyrene	10	U	0.2	5	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.19	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2	5	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	5	10	ug/L
218-01-9	Chrysene	10	U	0.18	5	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.16	5	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.52	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.18	5	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.15	5	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.43	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-10-GW-25	SDG No.:	C1640
Lab Sample ID:	C1640-18	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup : N	PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044529.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	59.7		10 - 160		40%	SPK: 150
13127-88-3	Phenol-d5	37.2		10 - 160		25%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.7		20 - 139		99%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.3		10 - 173		96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	159		10 - 169		106%	SPK: 150
1718-51-0	Terphenyl-d14	67		20 - 171		67%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	60242	4.56				
1146-65-2	Naphthalene-d8	221200	5.73				
15067-26-2	Acenaphthene-d10	113502	7.37				
1517-22-2	Phenanthrene-d10	190597	9				
1719-03-5	Chrysene-d12	163219	12.15				
1520-96-3	Perylene-d12	155383	13.87				
TENTITIVE IDENTIFIED COMPOUNDS							
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.3	AB			2.98	ug/L
3728-54-9	Cyclohexane, 1-ethyl-2-methyl-	3.1	J			3.65	ug/L
	unknown3.77	3.4	J			3.77	ug/L
1678-92-8	Cyclohexane, propyl-	5.3	J			3.86	ug/L
	unknown4.03	2.4	J			4.03	ug/L
6783-92-2	Cyclohexane, 1,1,2,3-tetramethyl-	4.3	J			4.12	ug/L
135-01-3	Benzene, 1,2-diethyl-	2.3	J			4.8	ug/L
493-02-7	Naphthalene, decahydro-, trans-	2.8	J			4.93	ug/L
	unknown11.79	5.2	J			11.79	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-4R	SDG No.:	C1640
Lab Sample ID:	C1640-19	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044531.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	10	U	0.79	5	10	ug/L
108-95-2	Phenol	10	U	0.21	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.56	5	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.55	5	10	ug/L
95-48-7	2-Methylphenol	10	U	0.24	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.17	5	10	ug/L
98-86-2	Acetophenone	10	U	0.14	5	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.39	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.2	5	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	5	10	ug/L
98-95-3	Nitrobenzene	10	U	0.69	5	10	ug/L
78-59-1	Isophorone	10	U	0.31	5	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.53	5	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.72	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.56	5	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.67	5	10	ug/L
91-20-3	Naphthalene	4.2	J	0.12	5	10	ug/L
106-47-8	4-Chloroaniline	10	U	2.9	5	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	5	10	ug/L
105-60-2	Caprolactam	10	U	2	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.41	5	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.24	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.57	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.41	5	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.15	5	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.16	5	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.5	5	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.22	5	10	ug/L
208-96-8	Acenaphthylene	10	U	0.71	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	5	10	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-4R	SDG No.:	C1640
Lab Sample ID:	C1640-19	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044531.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	10	U	1.1	5	10	ug/L
83-32-9	Acenaphthene	10	U	0.21	5	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.1	5	10	ug/L
100-02-7	4-Nitrophenol	10	U	2	5	10	ug/L
132-64-9	Dibenzofuran	10	U	0.24	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	5	10	ug/L
84-66-2	Diethylphthalate	10	U	0.39	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.21	5	10	ug/L
86-73-7	Fluorene	10	U	0.32	5	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.76	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.61	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.23	5	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.18	5	10	ug/L
1912-24-9	Atrazine	10	U	0.41	5	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	5	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	5	10	ug/L
120-12-7	Anthracene	10	U	0.16	5	10	ug/L
86-74-8	Carbazole	10	U	0.22	5	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2	5	10	ug/L
206-44-0	Fluoranthene	10	U	0.41	5	10	ug/L
129-00-0	Pyrene	10	U	0.2	5	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.19	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2	5	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	5	10	ug/L
218-01-9	Chrysene	10	U	0.18	5	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.16	5	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.52	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.18	5	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.15	5	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.43	5	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-4R	SDG No.:	C1640
Lab Sample ID:	C1640-19	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044531.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	49.3		10 - 160		33%	SPK: 150
13127-88-3	Phenol-d5	28.5		10 - 160		19%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.4		20 - 139		93%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.1		10 - 173		91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	164		10 - 169		110%	SPK: 150
1718-51-0	Terphenyl-d14	73.6		20 - 171		74%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	56834	4.56				
1146-65-2	Naphthalene-d8	195075	5.73				
15067-26-2	Acenaphthene-d10	96501	7.37				
1517-22-2	Phenanthrene-d10	171795	9				
1719-03-5	Chrysene-d12	147242	12.15				
1520-96-3	Perylene-d12	152857	13.87				
TENTITIVE IDENTIFIED COMPOUNDS							
3728-54-9	Cyclohexane, 1-ethyl-2-methyl-	6.9	J			3.65	ug/L
98-82-8	Benzene, (1-methylethyl)-	29	J			3.77	ug/L
1678-92-8	Cyclohexane, propyl-	13	J			3.86	ug/L
103-65-1	Benzene, propyl-	37	J			4.05	ug/L
6783-92-2	Cyclohexane, 1,1,2,3-tetramethyl-	6.7	J			4.12	ug/L
108-67-8	Benzene, 1,3,5-trimethyl-	7.9	J			4.4	ug/L
105-05-5	Benzene, 1,4-diethyl-	21	J			4.8	ug/L
135-01-3	Benzene, 1,2-diethyl-	12	J			4.87	ug/L
	unknown4.89	8.6	J			4.89	ug/L
493-02-7	Naphthalene, decahydro-, trans-	5.3	J			4.93	ug/L
34246-57-6	3-Isopropylbenzaldehyde	6.3	J			5.17	ug/L
488-23-3	Benzene, 1,2,3,4-tetramethyl-	13	J			5.29	ug/L
	unknown5.31	6.8	J			5.31	ug/L
1587-04-8	Benzene, 1-methyl-2-(2-propenyl)-	9.7	J			5.45	ug/L
95-93-2	Benzene, 1,2,4,5-tetramethyl-	31	J			5.51	ug/L
119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	7.2	J			5.59	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	PZ-4R	SDG No.:	C1640
Lab Sample ID:	C1640-19	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup : N	PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044531.D	1	03/28/11	04/06/11	PB54329

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
	unknown6.43	4.2	J			6.43	ug/L
	unknown6.92	4.4	J			6.92	ug/L
10544-50-0	Cyclic octaatomic sulfur	54	J			10.5	ug/L
13674-87-8	Tris(1,3-dichloroisopropyl)phospha	4.4	J			11.4	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-08-10-11	SDG No.:	C1640
Lab Sample ID:	C1640-21	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	20
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044515.D	20	03/28/11	04/06/11	PB54344

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
TARGETS							
100-52-7	Benzaldehyde	8200	U	430	4100	8200	ug/Kg
108-95-2	Phenol	8200	U	190	4100	8200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	8200	U	400	4100	8200	ug/Kg
95-57-8	2-Chlorophenol	8200	U	440	4100	8200	ug/Kg
95-48-7	2-Methylphenol	8200	U	450	4100	8200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	8200	U	340	4100	8200	ug/Kg
98-86-2	Acetophenone	8200	U	250	4100	8200	ug/Kg
65794-96-9	3+4-Methylphenols	8200	U	430	4100	8200	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	8200	U	420	4100	8200	ug/Kg
67-72-1	Hexachloroethane	8200	U	370	4100	8200	ug/Kg
98-95-3	Nitrobenzene	8200	U	310	4100	8200	ug/Kg
78-59-1	Isophorone	8200	U	270	4100	8200	ug/Kg
88-75-5	2-Nitrophenol	8200	U	400	4100	8200	ug/Kg
105-67-9	2,4-Dimethylphenol	1400	J	470	4100	8200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	8200	U	480	4100	8200	ug/Kg
120-83-2	2,4-Dichlorophenol	8200	U	320	4100	8200	ug/Kg
91-20-3	Naphthalene	1400	J	290	4100	8200	ug/Kg
106-47-8	4-Chloroaniline	8200	U	590	4100	8200	ug/Kg
87-68-3	Hexachlorobutadiene	8200	U	300	4100	8200	ug/Kg
105-60-2	Caprolactam	8200	U	390	4100	8200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	8200	U	370	4100	8200	ug/Kg
91-57-6	2-Methylnaphthalene	8200	U	210	4100	8200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	8200	U	200	4100	8200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	8200	U	250	4100	8200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	8200	U	580	4100	8200	ug/Kg
92-52-4	1,1-Biphenyl	8200	U	310	4100	8200	ug/Kg
91-58-7	2-Chloronaphthalene	8200	U	190	4100	8200	ug/Kg
88-74-4	2-Nitroaniline	8200	U	370	4100	8200	ug/Kg
131-11-3	Dimethylphthalate	8200	U	220	4100	8200	ug/Kg
208-96-8	Acenaphthylene	8200	U	210	4100	8200	ug/Kg
606-20-2	2,6-Dinitrotoluene	8200	U	340	4100	8200	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-08-10-11	SDG No.:	C1640
Lab Sample ID:	C1640-21	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	20
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044515.D	20	03/28/11	04/06/11	PB54344

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
99-09-2	3-Nitroaniline	8200	U	530	4100	8200	ug/Kg
83-32-9	Acenaphthene	8200	U	230	4100	8200	ug/Kg
51-28-5	2,4-Dinitrophenol	8200	U	850	4100	8200	ug/Kg
100-02-7	4-Nitrophenol	8200	U	1500	4100	8200	ug/Kg
132-64-9	Dibenzofuran	8200	U	320	4100	8200	ug/Kg
121-14-2	2,4-Dinitrotoluene	8200	U	250	4100	8200	ug/Kg
84-66-2	Diethylphthalate	8200	U	130	4100	8200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	8200	U	450	4100	8200	ug/Kg
86-73-7	Fluorene	8200	U	310	4100	8200	ug/Kg
100-01-6	4-Nitroaniline	8200	U	1100	4100	8200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	8200	U	480	4100	8200	ug/Kg
86-30-6	N-Nitrosodiphenylamine	8200	U	200	4100	8200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	8200	U	160	4100	8200	ug/Kg
118-74-1	Hexachlorobenzene	8200	U	340	4100	8200	ug/Kg
1912-24-9	Atrazine	8200	U	440	4100	8200	ug/Kg
87-86-5	Pentachlorophenol	8200	U	570	4100	8200	ug/Kg
85-01-8	Phenanthrene	6800	J	220	4100	8200	ug/Kg
120-12-7	Anthracene	1400	J	170	4100	8200	ug/Kg
86-74-8	Carbazole	8200	U	180	4100	8200	ug/Kg
84-74-2	Di-n-butylphthalate	8200	U	650	4100	8200	ug/Kg
206-44-0	Fluoranthene	8400		170	4100	8200	ug/Kg
129-00-0	Pyrene	6300	J	200	4100	8200	ug/Kg
85-68-7	Butylbenzylphthalate	8200	U	400	4100	8200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	8200	U	530	4100	8200	ug/Kg
56-55-3	Benzo(a)anthracene	3100	J	400	4100	8200	ug/Kg
218-01-9	Chrysene	3100	J	380	4100	8200	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	1800	J	290	4100	8200	ug/Kg
117-84-0	Di-n-octyl phthalate	8200	U	95	4100	8200	ug/Kg
205-99-2	Benzo(b)fluoranthene	3100	J	270	4100	8200	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200	J	390	4100	8200	ug/Kg
50-32-8	Benzo(a)pyrene	2600	J	180	4100	8200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300	J	280	4100	8200	ug/Kg
53-70-3	Dibenz(a,h)anthracene	8200	U	240	4100	8200	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-08-10-11	SDG No.:	C1640
Lab Sample ID:	C1640-21	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	20
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044515.D	20	03/28/11	04/06/11	PB54344

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
191-24-2	Benzo(g,h,i)perylene	1600	J	340	4100	8200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	125		26 - 141		83%	SPK: 150
13127-88-3	Phenol-d5	163		28 - 142		109%	SPK: 150
4165-60-0	Nitrobenzene-d5	291	*	30 - 150		291%	SPK: 100
321-60-8	2-Fluorobiphenyl	74		19 - 182		74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.2		29 - 150		61%	SPK: 150
1718-51-0	Terphenyl-d14	73.4		24 - 191		73%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	50204	4.56				
1146-65-2	Naphthalene-d8	179709	5.73				
15067-26-2	Acenaphthene-d10	109403	7.37				
1517-22-2	Phenanthrene-d10	204780	9				
1719-03-5	Chrysene-d12	159777	12.15				
1520-96-3	Perylene-d12	156618	13.87				
TENTITIVE IDENTIFIED COMPOUNDS							
3728-56-1	1-Ethyl-4-methylcyclohexane	11000	J			3.65	ug/Kg
1000210-90-2	7-Methylbicyclo[4.2.0]octane	17000	J			3.77	ug/Kg
2051-30-1	Octane, 2,6-dimethyl-	44000	J			3.86	ug/Kg
14676-29-0	Heptane, 3-ethyl-2-methyl-	15000	J			3.91	ug/Kg
124-18-5	Decane	23000	J			4.03	ug/Kg
17301-94-9	Nonane, 4-methyl-	16000	J			4.1	ug/Kg
4057-42-5	2-Octene, 2,6-dimethyl-	18000	J			4.12	ug/Kg
4291-79-6	Cyclohexane, 1-methyl-2-propyl-	17000	J			4.44	ug/Kg
17301-28-9	Undecane, 3,6-dimethyl-	17000	J			4.63	ug/Kg
	unknown4.80	16000	JB			4.8	ug/Kg
13151-35-4	Decane, 5-methyl-	13000	J			4.85	ug/Kg
104-51-8	Benzene, butyl-	14000	J			4.87	ug/Kg
493-02-7	Naphthalene, decahydro-, trans-	18000	J			4.93	ug/Kg
89-74-7	Ethanone, 1-(2,4-dimethylphenyl)-	53000	J			5.17	ug/Kg
294-62-2	Cyclododecane	21000	J			5.22	ug/Kg
1069-53-0	Hexane, 2,3,5-trimethyl-	33000	J			5.25	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	03/24/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	03/25/11
Client Sample ID:	SB-08-10-11	SDG No.:	C1640
Lab Sample ID:	C1640-21	Matrix:	SOIL
Analytical Method:	SW8270C	% Moisture:	20
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF044515.D	20	03/28/11	04/06/11	PB54344

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ	Units
934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	35000	J			5.29	ug/Kg
	unknown5.31	46000	JB			5.31	ug/Kg
	unknown5.37	14000	JB			5.37	ug/Kg
95-93-2	Benzene, 1,2,4,5-tetramethyl-	16000	J			5.51	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	RDL	MDL	Units
Client ID :	**SB-07-10-11**								
C1640-07	SB-07-10-11	SOIL	Dimethylphthalate		250.000	JB	450	12	ug/Kg
C1640-07	SB-07-10-11	SOIL	Phenanthrene		120.000	J	450	12	ug/Kg
C1640-07	SB-07-10-11	SOIL	Fluoranthene		170.000	J	450	9.2	ug/Kg
C1640-07	SB-07-10-11	SOIL	Pyrene		140.000	J	450	11	ug/Kg
C1640-07	SB-07-10-11	SOIL	Benzo(a)anthracene		71.000	J	450	22	ug/Kg
C1640-07	SB-07-10-11	SOIL	Chrysene		74.000	J	450	21	ug/Kg
C1640-07	SB-07-10-11	SOIL	Benzo(a)pyrene		77.000	J	450	9.8	ug/Kg
C1640-07	SB-07-10-11	SOIL	Benzo(g,h,i)perylene		58.000	J	450	18	ug/Kg
			Total Svoc :		**960.00**				
C1640-07	SB-07-10-11	SOIL	Benzo[e]pyrene	*	100.000	J	0	0	ug/Kg
C1640-07	SB-07-10-11	SOIL	unknown2.69	*	1,200.000	JB	0	0	ug/Kg
C1640-07	SB-07-10-11	SOIL	1-Docosene	*	230.000	J	0	0	ug/Kg
C1640-07	SB-07-10-11	SOIL	2,6,10-Dodecatrien-1-ol, 3,7,11-tr	*	97.000	J	0	0	ug/Kg
C1640-07	SB-07-10-11	SOIL	2-Pentanone, 4-hydroxy-4-methyl-	*	500.000	AB	0	0	ug/Kg
			Total Tics :		**2,127.00**				
			Total Concentration:		**3,087.00**				
Client ID :	**SB-08-10-11**								
C1640-21	SB-08-10-11	SOIL	2,4-Dimethylphenol		1,400.000	J	8200	470	ug/Kg
C1640-21	SB-08-10-11	SOIL	Naphthalene		1,400.000	J	8200	290	ug/Kg
C1640-21	SB-08-10-11	SOIL	Phenanthrene		6,800.000	J	8200	220	ug/Kg
C1640-21	SB-08-10-11	SOIL	Anthracene		1,400.000	J	8200	170	ug/Kg
C1640-21	SB-08-10-11	SOIL	Fluoranthene		8,400.000		8200	170	ug/Kg
C1640-21	SB-08-10-11	SOIL	Pyrene		6,300.000	J	8200	200	ug/Kg
C1640-21	SB-08-10-11	SOIL	Benzo(a)anthracene		3,100.000	J	8200	400	ug/Kg
C1640-21	SB-08-10-11	SOIL	Chrysene		3,100.000	J	8200	380	ug/Kg
C1640-21	SB-08-10-11	SOIL	bis(2-Ethylhexyl)phthalate		1,800.000	J	8200	290	ug/Kg
C1640-21	SB-08-10-11	SOIL	Benzo(b)fluoranthene		3,100.000	J	8200	270	ug/Kg
C1640-21	SB-08-10-11	SOIL	Benzo(k)fluoranthene		1,200.000	J	8200	390	ug/Kg
C1640-21	SB-08-10-11	SOIL	Benzo(a)pyrene		2,600.000	J	8200	180	ug/Kg
C1640-21	SB-08-10-11	SOIL	Indeno(1,2,3-cd)pyrene		1,300.000	J	8200	280	ug/Kg
C1640-21	SB-08-10-11	SOIL	Benzo(g,h,i)perylene		1,600.000	J	8200	340	ug/Kg
			Total Svoc :		**43,500.00**				
C1640-21	SB-08-10-11	SOIL	Benzene, 1,2,4,5-tetramethyl-	*	16,000.000	J	0	0	ug/Kg
C1640-21	SB-08-10-11	SOIL	Benzene, 1-ethyl-3,5-dimethyl-	*	35,000.000	J	0	0	ug/Kg
C1640-21	SB-08-10-11	SOIL	Benzene, butyl-	*	14,000.000	J	0	0	ug/Kg
C1640-21	SB-08-10-11	SOIL	Heptane, 3-ethyl-2-methyl-	*	15,000.000	J	0	0	ug/Kg
C1640-21	SB-08-10-11	SOIL	Hexane, 2,3,5-trimethyl-	*	33,000.000	J	0	0	ug/Kg
C1640-21	SB-08-10-11	SOIL	Cyclododecane	*	21,000.000	J	0	0	ug/Kg
C1640-21	SB-08-10-11	SOIL	Cyclohexane, 1-methyl-2-propyl-	*	17,000.000	J	0	0	ug/Kg

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Hit Summary Sheet
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SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	RDL	MDL	Units
C1640-21	SB-08-10-11	SOIL	Decane	*	23,000.000	J	0	0	ug/Kg
C1640-21	SB-08-10-11	SOIL	Decane, 5-methyl-	*	13,000.000	J	0	0	ug/Kg
C1640-21	SB-08-10-11	SOIL	Ethanone, 1-(2,4-dimethylphenyl)-	*	53,000.000	J	0	0	ug/Kg
C1640-21	SB-08-10-11	SOIL	Undecane, 3,6-dimethyl-	*	17,000.000	J	0	0	ug/Kg
C1640-21	SB-08-10-11	SOIL	unknown4.80	*	16,000.000	JB	0	0	ug/Kg
C1640-21	SB-08-10-11	SOIL	unknown5.31	*	46,000.000	JB	0	0	ug/Kg
C1640-21	SB-08-10-11	SOIL	unknown5.37	*	14,000.000	JB	0	0	ug/Kg
C1640-21	SB-08-10-11	SOIL	Naphthalene, decahydro-, trans-	*	18,000.000	J	0	0	ug/Kg
C1640-21	SB-08-10-11	SOIL	Nonane, 4-methyl-	*	16,000.000	J	0	0	ug/Kg
C1640-21	SB-08-10-11	SOIL	Octane, 2,6-dimethyl-	*	44,000.000	J	0	0	ug/Kg
C1640-21	SB-08-10-11	SOIL	2-Octene, 2,6-dimethyl-	*	18,000.000	J	0	0	ug/Kg
C1640-21	SB-08-10-11	SOIL	7-Methylbicyclo[4.2.0]octane	*	17,000.000	J	0	0	ug/Kg
C1640-21	SB-08-10-11	SOIL	1-Ethyl-4-methylcyclohexane	*	11,000.000	J	0	0	ug/Kg
			Total Tics :		**457,000.00**				
			Total Concentration:		**500,500.00**				
Client ID :	**SB-09-9-10**								
C1640-13	SB-09-9-10	SOIL	Dimethylphthalate		330.000	JB	420	11	ug/Kg
C1640-13	SB-09-9-10	SOIL	bis(2-Ethylhexyl)phthalate		74.000	J	420	15	ug/Kg
			Total Svoc :		**404.00**				
C1640-13	SB-09-9-10	SOIL	Cyclic octaatomic sulfur	*	1,700.000	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	Cyclohexane, 1,1,2,3-tetramethyl-	*	670.000	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	Cyclohexane, 1,2-dimethyl-	*	610.000	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	Cyclooctane, 1,4-dimethyl-, cis-	*	450.000	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	Decane, 2,5,6-trimethyl-	*	910.000	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	Decane, 3,7-dimethyl-	*	780.000	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	Decane, 5-methyl-	*	410.000	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	m-Toluamide	*	730.000	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	n-Amylcyclohexane	*	980.000	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	Naphthalene, decahydro-	*	740.000	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	Nonane, 3-methyl-	*	1,400.000	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	Nonane, 4-methyl-	*	460.000	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	Tridecane, 2-methyl-	*	580.000	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	unknown5.19	*	1,100.000	JB	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	unknown5.26	*	600.000	JB	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	1-Ethyl-4-methylcyclohexane	*	430.000	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	2,4-Hexadiene	*	680.000	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	3-Undecene, (E)-	*	500.000	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	Benzene, 1,3-diethyl-	*	520.000	J	0	0	ug/Kg
C1640-13	SB-09-9-10	SOIL	Benzene, butyl-	*	460.000	J	0	0	ug/Kg
			Total Tics :		**14,710.00**				
			Total Concentration:		**15,114.00**				
Client ID :	**SB-10-10-11**								

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Hit Summary Sheet
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SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	RDL	MDL	Units
C1640-16	SB-10-10-11	SOIL	2,4-Dimethylphenol		260.000	J	400	23	ug/Kg
C1640-16	SB-10-10-11	SOIL	Dimethylphthalate		450.000	B	400	11	ug/Kg
C1640-16	SB-10-10-11	SOIL	Phenanthrene		81.000	J	400	11	ug/Kg
C1640-16	SB-10-10-11	SOIL	Fluoranthene		140.000	J	400	8.1	ug/Kg
C1640-16	SB-10-10-11	SOIL	Pyrene		190.000	J	400	9.7	ug/Kg
C1640-16	SB-10-10-11	SOIL	Benzo(a)anthracene		57.000	J	400	19	ug/Kg
C1640-16	SB-10-10-11	SOIL	Chrysene		63.000	J	400	18	ug/Kg
C1640-16	SB-10-10-11	SOIL	bis(2-Ethylhexyl)phthalate		460.000		400	14	ug/Kg
C1640-16	SB-10-10-11	SOIL	Benzo(b)fluoranthene		65.000	J	400	13	ug/Kg
			Total Svoc :		**1,766.00**				
C1640-16	SB-10-10-11	SOIL	3-Undecene, (Z)-	*	1,200.000	J	0	0	ug/Kg
C1640-16	SB-10-10-11	SOIL	Benzene, 1,3-diethyl-	*	920.000	J	0	0	ug/Kg
C1640-16	SB-10-10-11	SOIL	Cyclohexane, 1,1,2,3-tetramethyl-	*	940.000	J	0	0	ug/Kg
C1640-16	SB-10-10-11	SOIL	Cyclohexane, 1,2,4-trimethyl-	*	4,300.000	J	0	0	ug/Kg
C1640-16	SB-10-10-11	SOIL	Cyclohexane, 1-ethyl-2-methyl-, tr	*	640.000	J	0	0	ug/Kg
C1640-16	SB-10-10-11	SOIL	Cyclohexane, 1-methyl-2-propyl-	*	720.000	J	0	0	ug/Kg
C1640-16	SB-10-10-11	SOIL	Cyclopentane, methylene-	*	930.000	J	0	0	ug/Kg
C1640-16	SB-10-10-11	SOIL	1-Iodo-2-methylnonane	*	2,900.000	J	0	0	ug/Kg
C1640-16	SB-10-10-11	SOIL	Heptane, 3-ethyl-2-methyl-	*	890.000	J	0	0	ug/Kg
C1640-16	SB-10-10-11	SOIL	Undecane	*	720.000	J	0	0	ug/Kg
C1640-16	SB-10-10-11	SOIL	Undecane, 3,6-dimethyl-	*	620.000	J	0	0	ug/Kg
C1640-16	SB-10-10-11	SOIL	Undecane, 5,6-dimethyl-	*	1,100.000	J	0	0	ug/Kg
C1640-16	SB-10-10-11	SOIL	unknown10.54	*	2,000.000	JB	0	0	ug/Kg
C1640-16	SB-10-10-11	SOIL	unknown5.28	*	2,000.000	JB	0	0	ug/Kg
C1640-16	SB-10-10-11	SOIL	unknown5.32	*	2,400.000	JB	0	0	ug/Kg
C1640-16	SB-10-10-11	SOIL	unknown5.58	*	680.000	JB	0	0	ug/Kg
C1640-16	SB-10-10-11	SOIL	Naphthalene, decahydro-	*	1,000.000	J	0	0	ug/Kg
C1640-16	SB-10-10-11	SOIL	Octane, 2,6-dimethyl-	*	2,200.000	J	0	0	ug/Kg
C1640-16	SB-10-10-11	SOIL	Octane, 5-ethyl-2-methyl-	*	980.000	J	0	0	ug/Kg
C1640-16	SB-10-10-11	SOIL	Pentafluoropropionic acid, octadec	*	1,600.000	J	0	0	ug/Kg
			Total Tics :		**28,740.00**				
			Total Concentration:		**30,506.00**				
Client ID :	**PZ-3**								
C1640-01	PZ-3	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	4.100	JB	0	0	ug/L
C1640-01	PZ-3	WATER	Hexanedioic acid, bis(2-ethylhexyl	*	2.100	J	0	0	ug/L
			Total Tics :		**6.20**				
			Total Concentration:		**6.20**				
Client ID :	**PZ-4R**								
C1640-19	PZ-4R	WATER	Naphthalene		4.200	J	10	0.120	ug/L
			Total Svoc :		**4.20**				
C1640-19	PZ-4R	WATER	Naphthalene, 1,2,3,4-tetrahydro-	*	7.200	J	0	0	ug/L
C1640-19	PZ-4R	WATER	Naphthalene, decahydro-, trans-	*	5.300	J	0	0	ug/L

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Hit Summary Sheet
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SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
C1640-19	PZ-4R	WATER	Tris(1,3-dichloroisopropyl)phospha	*	4.400	J	0	0	ug/L
C1640-19	PZ-4R	WATER	unknown4.89	*	8.600	J	0	0	ug/L
C1640-19	PZ-4R	WATER	unknown5.31	*	6.800	J	0	0	ug/L
C1640-19	PZ-4R	WATER	unknown6.43	*	4.200	J	0	0	ug/L
C1640-19	PZ-4R	WATER	unknown6.92	*	4.400	J	0	0	ug/L
C1640-19	PZ-4R	WATER	3-Isopropylbenzaldehyde	*	6.300	J	0	0	ug/L
C1640-19	PZ-4R	WATER	Benzene, (1-methylethyl)-	*	29.000	J	0	0	ug/L
C1640-19	PZ-4R	WATER	Benzene, 1,2,3,4-tetramethyl-	*	13.000	J	0	0	ug/L
C1640-19	PZ-4R	WATER	Benzene, 1,2,4,5-tetramethyl-	*	31.000	J	0	0	ug/L
C1640-19	PZ-4R	WATER	Benzene, 1,2-diethyl-	*	12.000	J	0	0	ug/L
C1640-19	PZ-4R	WATER	Benzene, 1,3,5-trimethyl-	*	7.900	J	0	0	ug/L
C1640-19	PZ-4R	WATER	Benzene, 1,4-diethyl-	*	21.000	J	0	0	ug/L
C1640-19	PZ-4R	WATER	Benzene, 1-methyl-2-(2-propenyl)-	*	9.700	J	0	0	ug/L
C1640-19	PZ-4R	WATER	Benzene, propyl-	*	37.000	J	0	0	ug/L
C1640-19	PZ-4R	WATER	Cyclic octaatomic sulfur	*	54.000	J	0	0	ug/L
C1640-19	PZ-4R	WATER	Cyclohexane, 1,1,2,3-tetramethyl-	*	6.700	J	0	0	ug/L
C1640-19	PZ-4R	WATER	Cyclohexane, 1-ethyl-2-methyl-	*	6.900	J	0	0	ug/L
C1640-19	PZ-4R	WATER	Cyclohexane, propyl-	*	13.000	J	0	0	ug/L
			Total Tics :		**288.40**				
			Total Concentration:		**292.60**				
Client ID :	**PZ-5**								
C1640-03	PZ-5	WATER	2-Methyl-1-pentyl methylphosphonof	*	3.700	J	0	0	ug/L
C1640-03	PZ-5	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	4.300	JB	0	0	ug/L
C1640-03	PZ-5	WATER	Phthalic anhydride	*	2.200	J	0	0	ug/L
			Total Tics :		**10.20**				
			Total Concentration:		**10.20**				
Client ID :	**PZ-6**								
C1640-06	PZ-6	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	8.300	JB	0	0	ug/L
C1640-06	PZ-6	WATER	3-Penten-2-one, 4-methyl-	*	31.000	J	0	0	ug/L
C1640-06	PZ-6	WATER	Cyclotrisiloxane, hexamethyl-	*	6.000	J	0	0	ug/L
C1640-06	PZ-6	WATER	unknown11.48	*	2.200	J	0	0	ug/L
			Total Tics :		**47.50**				
			Total Concentration:		**47.50**				
Client ID :	**PZ-X**								
C1640-02	PZ-X	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	3.100	JB	0	0	ug/L
C1640-02	PZ-X	WATER	Cyclohexanecarboxylic acid, octyl	*	2.100	J	0	0	ug/L
			Total Tics :		**5.20**				
			Total Concentration:		**5.20**				
Client ID :	**SB-07-GW-13**								
C1640-08	SB-07-GW-13	WATER	1-Hexanol, 2-ethyl-	*	5.900	J	0	0	ug/L
C1640-08	SB-07-GW-13	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	9.400	JB	0	0	ug/L

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Hit Summary Sheet
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SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
C1640-08	SB-07-GW-13	WATER	3-Penten-2-one, 4-methyl-	*	60.000	J	0	0	ug/L
C1640-08	SB-07-GW-13	WATER	Propanoic acid, 2-methyl-, 2,2-dim	*	3.700	J	0	0	ug/L
C1640-08	SB-07-GW-13	WATER	unknown1.74	*	10.000	J	0	0	ug/L
C1640-08	SB-07-GW-13	WATER	unknown2.68	*	230.000	J	0	0	ug/L
C1640-08	SB-07-GW-13	WATER	unknown5.66	*	2.500	J	0	0	ug/L
C1640-08	SB-07-GW-13	WATER	unknown5.90	*	8.000	J	0	0	ug/L
C1640-08	SB-07-GW-13	WATER	unknown7.83	*	4.600	J	0	0	ug/L
			Total Tics :			**334.10**			
			Total Concentration:			**334.10**			
Client ID :	**SB-07-GW-25**								
C1640-09	SB-07-GW-25	WATER	3,3-Dichlorobenzidine		2.100	J	10	2.1	ug/L
			Total Svoc :			**2.10**			
C1640-09	SB-07-GW-25	WATER	3,5-Dimethoxyacetophenone	*	2.700	J	0	0	ug/L
C1640-09	SB-07-GW-25	WATER	4-Chloroaniline, N-isopropylidene	*	3.100	J	0	0	ug/L
C1640-09	SB-07-GW-25	WATER	Ethanol, 2-(hexyloxy)-	*	3.300	J	0	0	ug/L
C1640-09	SB-07-GW-25	WATER	Propanoic acid, 2-methyl-, 1-(1,1-	*	4.400	J	0	0	ug/L
C1640-09	SB-07-GW-25	WATER	Propanoic acid, 2-methyl-, 2-methy	*	5.400	J	0	0	ug/L
C1640-09	SB-07-GW-25	WATER	unknown2.68	*	11.000	J	0	0	ug/L
C1640-09	SB-07-GW-25	WATER	unknown4.63	*	3.600	J	0	0	ug/L
C1640-09	SB-07-GW-25	WATER	unknown5.20	*	2.300	J	0	0	ug/L
C1640-09	SB-07-GW-25	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	6.300	JB	0	0	ug/L
			Total Tics :			**42.10**			
			Total Concentration:			**44.20**			
Client ID :	**SB-08-GW-13**								
C1640-11	SB-08-GW-13	WATER	Naphthalene		1.600	J	10	0.120	ug/L
			Total Svoc :			**1.60**			
C1640-11	SB-08-GW-13	WATER	trans-2-Phenyl-1-cyclopropanecarbo	*	26.000	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	Tris(1,3-dichloroisopropyl)phospha	*	9.800	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	unknown3.77	*	20.000	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	unknown6.89	*	28.000	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	unknown7.03	*	11.000	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	unknown7.31	*	21.000	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	unknown7.77	*	11.000	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	1-Phenyl-1-butene	*	12.000	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	3-Butenoic acid, 4-phenyl-	*	32.000	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	3-Pentenoic acid, 4-phenyl-	*	68.000	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	Benzene, 1,2,4,5-tetramethyl-	*	29.000	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	Benzene, 1,3-diethyl-	*	25.000	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	Benzene, 1-ethyl-2,3-dimethyl-	*	15.000	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	Benzene, 1-ethyl-3,5-dimethyl-	*	24.000	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	Benzene, 1-methyl-3-(1-methylethyl	*	20.000	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	Benzene, propyl-	*	12.000	J	0	0	ug/L

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Hit Summary Sheet
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SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
C1640-11	SB-08-GW-13	WATER	Benzoic acid, 2,4-dimethyl-	*	75.000	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	Benzoic acid, 4-(1-methylethyl)-	*	10.000	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	Cyclohexane, propyl-	*	16.000	J	0	0	ug/L
C1640-11	SB-08-GW-13	WATER	Cyclopropanecarboxylic acid, 1-phe	*	20.000	J	0	0	ug/L
			Total Tics :		**484.80**				
			Total Concentration:		**486.40**				
Client ID :	**SB-08-GW-25**								
C1640-12	SB-08-GW-25	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	3.600	JB	0	0	ug/L
C1640-12	SB-08-GW-25	WATER	Diisooctyl adipate	*	2.600	J	0	0	ug/L
C1640-12	SB-08-GW-25	WATER	Tetrachloroethylene	*	13.000	J	0	0	ug/L
			Total Tics :		**19.20**				
			Total Concentration:		**19.20**				
Client ID :	**SB-09-GW-13**								
C1640-14	SB-09-GW-13	WATER	1H-Indene, 2,3-dihydro-1,1-dimethy	*	4.800	J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	1H-Indene, octahydro-, cis-	*	4.400	J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	Benzene, (2-methylpropyl)-	*	9.300	J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	Benzene, 1,2,3,4-tetramethyl-	*	18.000	J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	Benzene, 1,2-diethyl-	*	8.200	J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	Benzene, 1,3-diethyl-	*	19.000	J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	Benzene, 1,3-diethyl-5-methyl-	*	11.000	J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	Benzene, 1-ethyl-2,4-dimethyl-	*	13.000	J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	Benzene, propyl-	*	14.000	J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	Cyclohexane, propyl-	*	18.000	J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	Cyclooctene, 3-methyl-	*	8.300	J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	Naphthalene, 1,2,3,5,8,8a-hexahydr	*	20.000	J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	Naphthalene, decahydro-	*	8.200	J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	Spiro[4.4]nona-1,3-diene, 1,2-dime	*	4.800	J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	Tetrachloroethylene	*	5.300	J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	unknown11.56	*	4.300	J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	unknown3.65	*	9.500	J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	unknown3.77	*	19.000	J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	unknown4.12	*	10.000	J	0	0	ug/L
C1640-14	SB-09-GW-13	WATER	unknown5.17	*	8.200	J	0	0	ug/L
			Total Tics :		**217.30**				
			Total Concentration:		**217.30**				
Client ID :	**SB-09-GW-25**								
C1640-15	SB-09-GW-25	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	3.900	JB	0	0	ug/L
C1640-15	SB-09-GW-25	WATER	Hexanedioic acid, bis(2-ethylhexyl	*	2.500	J	0	0	ug/L
C1640-15	SB-09-GW-25	WATER	unknown11.79	*	2.200	J	0	0	ug/L
			Total Tics :		**8.60**				
			Total Concentration:		**8.60**				

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Hit Summary Sheet
SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
Client ID : SB-10-GW-13									
C1640-17	SB-10-GW-13	WATER	2,4-Dimethylphenol		2.500	J	10	0.740	ug/L
C1640-17	SB-10-GW-13	WATER	bis(2-Ethylhexyl)phthalate		1.900	J	10	0.170	ug/L
			Total Svoc :			**4.40**			
C1640-17	SB-10-GW-13	WATER	Cyclohexane, 1-ethyl-2-methyl-	*	15.000	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	Cyclohexane, 1-methyl-2-propyl-	*	25.000	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	Ethanone, 1-(2,4-dimethylphenyl)-	*	52.000	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	Heptane, 3-ethyl-2-methyl-	*	16.000	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	Naphthalene, decahydro-, trans-	*	24.000	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	Undecane, 4,6-dimethyl-	*	25.000	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	unknown3.77	*	25.000	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	unknown3.86	*	51.000	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	unknown4.03	*	35.000	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	unknown4.97	*	15.000	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	unknown5.22	*	27.000	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	unknown5.25	*	22.000	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	unknown5.32	*	39.000	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	unknown5.37	*	18.000	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	1-Ethyl-2,2,6-trimethylcyclohexane	*	27.000	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	2-Octene, 2,6-dimethyl-	*	21.000	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	Benzene, 1,2,4,5-tetramethyl-	*	37.000	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	Benzene, 1,3-diethyl-	*	26.000	J	0	0	ug/L
C1640-17	SB-10-GW-13	WATER	Benzenepropanal	*	14.000	J	0	0	ug/L
			Total Tics :			**514.00**			
			Total Concentration:			**518.40**			
Client ID : SB-10-GW-13RE									
C1640-17RE	SB-10-GW-13RE	WATER	2,4-Dimethylphenol		2.000	J	10	0.740	ug/L
C1640-17RE	SB-10-GW-13RE	WATER	bis(2-Ethylhexyl)phthalate		1.800	J	10	0.170	ug/L
			Total Svoc :			**3.80**			
			Total Concentration:			**3.80**			
Client ID : SB-10-GW-25									
C1640-18	SB-10-GW-25	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	4.300	JB	0	0	ug/L
C1640-18	SB-10-GW-25	WATER	Benzene, 1,2-diethyl-	*	2.300	J	0	0	ug/L
C1640-18	SB-10-GW-25	WATER	Cyclohexane, 1,1,2,3-tetramethyl-	*	4.300	J	0	0	ug/L
C1640-18	SB-10-GW-25	WATER	Cyclohexane, 1-ethyl-2-methyl-	*	3.100	J	0	0	ug/L
C1640-18	SB-10-GW-25	WATER	Cyclohexane, propyl-	*	5.300	J	0	0	ug/L
C1640-18	SB-10-GW-25	WATER	Naphthalene, decahydro-, trans-	*	2.800	J	0	0	ug/L
C1640-18	SB-10-GW-25	WATER	unknown11.79	*	5.200	J	0	0	ug/L
C1640-18	SB-10-GW-25	WATER	unknown3.77	*	3.400	J	0	0	ug/L
C1640-18	SB-10-GW-25	WATER	unknown4.03	*	2.400	J	0	0	ug/L
			Total Tics :			**33.10**			
			Total Concentration:			**33.10**			

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SEMI-VOLATILE QC DATA

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Surrogate Summary

SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
C1640-07	SB-07-10-11	2-Fluorophenol	150	119.56	80		26	141
		Phenol-d5	150	129.73	86		28	142
		Nitrobenzene-d5	100	82.63	83		30	150
		2-Fluorobiphenyl	100	61.36	61		19	182
		2,4,6-Tribromophenol	150	132.76	89		29	150
		Terphenyl-d14	100	56.83	57		24	191
C1640-13	SB-09-9-10	2-Fluorophenol	150	137.96	92		26	141
		Phenol-d5	150	136.84	91		28	142
		Nitrobenzene-d5	100	92.04	92		30	150
		2-Fluorobiphenyl	100	60.68	61		19	182
		2,4,6-Tribromophenol	150	142.24	95		29	150
		Terphenyl-d14	100	67.69	68		24	191
C1640-16	SB-10-10-11	2-Fluorophenol	150	145.44	97		26	141
		Phenol-d5	150	130.45	87		28	142
		Nitrobenzene-d5	100	143.35	143		30	150
		2-Fluorobiphenyl	100	68.28	68		19	182
		2,4,6-Tribromophenol	150	142.74	95		29	150
		Terphenyl-d14	100	100.25	100		24	191
C1640-16MS	SB-10-10-11MS	2-Fluorophenol	150	145.89	97		26	141
		Phenol-d5	150	129.33	86		28	142
		Nitrobenzene-d5	100	149.07	149		30	150
		2-Fluorobiphenyl	100	73.37	73		19	182
		2,4,6-Tribromophenol	150	152.76	102		29	150
		Terphenyl-d14	100	79.99	80		24	191
C1640-16MSD	SB-10-10-11MSD	2-Fluorophenol	150	165.13	110		26	141
		Phenol-d5	150	150.81	101		28	142
		Nitrobenzene-d5	100	190.87	191	*	30	150
		2-Fluorobiphenyl	100	87.75	88		19	182
		2,4,6-Tribromophenol	150	186.71	124		29	150
		Terphenyl-d14	100	101.91	102		24	191
PB54316B	PB54316B	2-Fluorophenol	150	114.50	76		26	141
		Phenol-d5	150	121.83	81		28	142
		Nitrobenzene-d5	100	84.63	85		30	150
		2-Fluorobiphenyl	100	85.24	85		19	182
		2,4,6-Tribromophenol	150	131.91	88		29	150
		Terphenyl-d14	100	83.34	83		24	191
PB54316BS	PB54316BS	2-Fluorophenol	150	120.09	80		26	141
		Phenol-d5	150	127.42	85		28	142
		Nitrobenzene-d5	100	88.93	89		30	150
		2-Fluorobiphenyl	100	90.07	90		19	182
		2,4,6-Tribromophenol	150	133.89	89		29	150
		Terphenyl-d14	100	96.68	97		24	191

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Surrogate Summary

SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
C1640-01	PZ-3	2-Fluorophenol	150	47.48	32		10	160
		Phenol-d5	150	29.99	20		10	160
		Nitrobenzene-d5	100	92.97	93		20	139
		2-Fluorobiphenyl	100	90.61	91		10	173
		2,4,6-Tribromophenol	150	144.17	96		10	169
		Terphenyl-d14	100	76.43	76		20	171
C1640-02	PZ-X	2-Fluorophenol	150	52.00	35		10	160
		Phenol-d5	150	34.80	23		10	160
		Nitrobenzene-d5	100	93.31	93		20	139
		2-Fluorobiphenyl	100	91.73	92		10	173
		2,4,6-Tribromophenol	150	154.32	103		10	169
		Terphenyl-d14	100	78.74	79		20	171
C1640-03	PZ-5	2-Fluorophenol	150	47.53	32		10	160
		Phenol-d5	150	29.32	20		10	160
		Nitrobenzene-d5	100	92.54	93		20	139
		2-Fluorobiphenyl	100	87.15	87		10	173
		2,4,6-Tribromophenol	150	147.17	98		10	169
		Terphenyl-d14	100	70.12	70		20	171
C1640-04MS	PZ-5MS	2-Fluorophenol	150	74.25	50		10	160
		Phenol-d5	150	51.48	34		10	160
		Nitrobenzene-d5	100	103.93	104		20	139
		2-Fluorobiphenyl	100	94.03	94		10	173
		2,4,6-Tribromophenol	150	157.02	105		10	169
		Terphenyl-d14	100	92.66	93		20	171
C1640-05MSD	PZ-5MSD	2-Fluorophenol	150	65.42	44		10	160
		Phenol-d5	150	45.03	30		10	160
		Nitrobenzene-d5	100	100.39	100		20	139
		2-Fluorobiphenyl	100	98.17	98		10	173
		2,4,6-Tribromophenol	150	172.29	115		10	169
		Terphenyl-d14	100	94.25	94		20	171
C1640-06	PZ-6	2-Fluorophenol	150	43.56	29		10	160
		Phenol-d5	150	28.14	19		10	160
		Nitrobenzene-d5	100	86.90	87		20	139
		2-Fluorobiphenyl	100	85.25	85		10	173
		2,4,6-Tribromophenol	150	142.76	95		10	169
		Terphenyl-d14	100	75.45	75		20	171
C1640-08	SB-07-GW-13	2-Fluorophenol	150	48.94	33		10	160
		Phenol-d5	150	31.67	21		10	160
		Nitrobenzene-d5	100	93.55	94		20	139
		2-Fluorobiphenyl	100	82.72	83		10	173
		2,4,6-Tribromophenol	150	138.75	93		10	169
		Terphenyl-d14	100	73.21	73		20	171
C1640-09	SB-07-GW-25	2-Fluorophenol	150	62.39	42		10	160
		Phenol-d5	150	42.15	28		10	160
		Nitrobenzene-d5	100	97.04	97		20	139
		2-Fluorobiphenyl	100	87.98	88		10	173
		2,4,6-Tribromophenol	150	154.20	103		10	169
		Terphenyl-d14	100	76.65	77		20	171
C1640-11	SB-08-GW-13	2-Fluorophenol	150	59.36	40		10	160
		Phenol-d5	150	34.84	23		10	160
		Nitrobenzene-d5	100	101.29	101		20	139
		2-Fluorobiphenyl	100	96.82	97		10	173

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Surrogate Summary

SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
C1640-11	SB-08-GW-13	2,4,6-Tribromophenol	150	151.55	101		10	169
		Terphenyl-d14	100	73.81	74		20	171
C1640-12	SB-08-GW-25	2-Fluorophenol	150	52.66	35		10	160
		Phenol-d5	150	32.51	22		10	160
		Nitrobenzene-d5	100	98.13	98		20	139
		2-Fluorobiphenyl	100	94.39	94		10	173
		2,4,6-Tribromophenol	150	155.41	104		10	169
		Terphenyl-d14	100	77.80	78		20	171
C1640-14	SB-09-GW-13	2-Fluorophenol	150	66.26	44		10	160
		Phenol-d5	150	40.55	27		10	160
		Nitrobenzene-d5	100	97.84	98		20	139
		2-Fluorobiphenyl	100	95.97	96		10	173
		2,4,6-Tribromophenol	150	168.76	113		10	169
		Terphenyl-d14	100	83.13	83		20	171
C1640-15	SB-09-GW-25	2-Fluorophenol	150	59.98	40		10	160
		Phenol-d5	150	38.12	25		10	160
		Nitrobenzene-d5	100	97.99	98		20	139
		2-Fluorobiphenyl	100	92.30	92		10	173
		2,4,6-Tribromophenol	150	151.94	101		10	169
		Terphenyl-d14	100	79.09	79		20	171
C1640-17	SB-10-GW-13	2-Fluorophenol	150	9.49	6	*	10	160
		Phenol-d5	150	7.97	5	*	10	160
		Nitrobenzene-d5	100	44.46	44		20	139
		2-Fluorobiphenyl	100	16.14	16		10	173
		2,4,6-Tribromophenol	150	18.62	12		10	169
		Terphenyl-d14	100	15.35	15	*	20	171
C1640-17RE	SB-10-GW-13RE	2-Fluorophenol	150	10.30	7	*	10	160
		Phenol-d5	150	8.15	5	*	10	160
		Nitrobenzene-d5	100	37.42	37		20	139
		2-Fluorobiphenyl	100	16.67	17		10	173
		2,4,6-Tribromophenol	150	19.20	13		10	169
		Terphenyl-d14	100	17.41	17	*	20	171
C1640-18	SB-10-GW-25	2-Fluorophenol	150	59.73	40		10	160
		Phenol-d5	150	37.21	25		10	160
		Nitrobenzene-d5	100	98.74	99		20	139
		2-Fluorobiphenyl	100	96.28	96		10	173
		2,4,6-Tribromophenol	150	159.03	106		10	169
		Terphenyl-d14	100	66.96	67		20	171
C1640-19	PZ-4R	2-Fluorophenol	150	49.28	33		10	160
		Phenol-d5	150	28.47	19		10	160
		Nitrobenzene-d5	100	93.43	93		20	139
		2-Fluorobiphenyl	100	91.06	91		10	173
		2,4,6-Tribromophenol	150	164.93	110		10	169
		Terphenyl-d14	100	73.59	74		20	171
PB54329B	PB54329B	2-Fluorophenol	150	57.73	38		10	160
		Phenol-d5	150	39.49	26		10	160
		Nitrobenzene-d5	100	91.28	91		20	139
		2-Fluorobiphenyl	100	85.06	85		10	173
		2,4,6-Tribromophenol	150	150.32	100		10	169
		Terphenyl-d14	100	82.49	82		20	171
PB54329BS	PB54329BS	2-Fluorophenol	150	62.43	42		10	160
		Phenol-d5	150	40.14	27		10	160

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Surrogate Summary

SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
PB54329BS	PB54329BS	Nitrobenzene-d5	100	108.72	109		20	139
		2-Fluorobiphenyl	100	97.22	97		10	173
		2,4,6-Tribromophenol	150	162.28	108		10	169
		Terphenyl-d14	100	101.12	101		20	171

CHEMTECH

Surrogate Summary

SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
C1640-21	SB-08-10-11	2-Fluorophenol	150	125.20	83		26	141
		Phenol-d5	150	163.00	109		28	142
		Nitrobenzene-d5	100	291.20	291	*	30	150
		2-Fluorobiphenyl	100	74.00	74		19	182
		2,4,6-Tribromophenol	150	92.20	61		29	150
		Terphenyl-d14	100	73.40	73		24	191
PB54344B	PB54344B	2-Fluorophenol	150	115.57	77		26	141
		Phenol-d5	150	122.43	82		28	142
		Nitrobenzene-d5	100	86.22	86		30	150
		2-Fluorobiphenyl	100	88.80	89		19	182
		2,4,6-Tribromophenol	150	132.44	88		29	150
		Terphenyl-d14	100	80.46	80		24	191
PB54344BS	PB54344BS	2-Fluorophenol	150	105.81	71		26	141
		Phenol-d5	150	112.63	75		28	142
		Nitrobenzene-d5	100	76.26	76		30	150
		2-Fluorobiphenyl	100	78.12	78		19	182
		2,4,6-Tribromophenol	150	118.07	79		29	150
		Terphenyl-d14	100	82.28	82		24	191

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: C1640-04MS	**Client Sample ID: PZ-5MS**									
Benzaldehyde	50	0	1.2	2	*			10	160	
Phenol	50	0	18	36				10	161	
bis(2-Chloroethyl)ether	50	0	55	110				27	159	
2-Chlorophenol	50	0	43	86				10	148	
2-Methylphenol	50	0	38	76				10	150	
2,2-oxybis(1-Chloropropane)	50	0	52	104				30	151	
Acetophenone	50	0	52	104				42	139	
3+4-Methylphenols	50	0	33	66				10	131	
N-Nitroso-di-n-propylamine	50	0	55	110				22	167	
Hexachloroethane	50	0	43	86				13	140	
Nitrobenzene	50	0	52	104				24	157	
Isophorone	50	0	54	108				23	168	
2-Nitrophenol	50	0	51	102				10	166	
2,4-Dimethylphenol	50	0	47	94				10	153	
bis(2-Chloroethoxy)methane	50	0	51	102				22	165	
2,4-Dichlorophenol	50	0	48	96				10	166	
Naphthalene	50	0	49	98				10	169	
4-Chloroaniline	50	0	4.7	9	*			10	161	
Hexachlorobutadiene	50	0	46	92				14	140	
Caprolactam	50	0	8.6	17				10	160	
4-Chloro-3-methylphenol	50	0	49	98				10	177	
2-Methylnaphthalene	50	0	50	100				25	151	
Hexachlorocyclopentadiene	100	0	86	86				10	145	
2,4,6-Trichlorophenol	50	0	49	98				10	155	
2,4,5-Trichlorophenol	50	0	48	96				10	173	
1,1-Biphenyl	50	0	47	94				35	142	
2-Chloronaphthalene	50	0	48	96				27	158	
2-Nitroaniline	50	0	50	100				22	178	
Dimethylphthalate	50	0	54	108				11	146	
Acenaphthylene	50	0	49	98				25	162	
2,6-Dinitrotoluene	50	0	55	110				33	168	
3-Nitroaniline	50	0	14	28				10	120	
Acenaphthene	50	0	51	102				19	166	
2,4-Dinitrophenol	100	0	130	130				10	192	
4-Nitrophenol	100	0	49	49				10	161	
Dibenzofuran	50	0	50	100				26	164	
2,4-Dinitrotoluene	50	0	52	104				27	172	
Diethylphthalate	50	0	56	112				31	158	
4-Chlorophenyl-phenylether	50	0	52	104				25	168	
Fluorene	50	0	52	104				18	171	
4-Nitroaniline	50	0	47	94				17	162	
4,6-Dinitro-2-methylphenol	50	0	60	120				10	203	
N-Nitrosodiphenylamine	50	0	48	96				26	167	
4-Bromophenyl-phenylether	50	0	50	100				44	155	
Hexachlorobenzene	50	0	51	102				31	160	
Atrazine	50	0	39	78				25	169	
Pentachlorophenol	100	0	120	120				10	179	
Phenanthrene	50	0	51	102				29	168	

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Anthracene	50	0	51	102				20	176	
Carbazole	50	0	52	104				36	171	
Di-n-butylphthalate	50	0	55	110				33	177	
Fluoranthene	50	0	54	108				23	174	
Pyrene	50	0	53	106				19	182	
Butylbenzylphthalate	50	0	56	112				37	172	
3,3-Dichlorobenzidine	50	0	28	56				10	160	
Benzo(a)anthracene	50	0	53	106				33	165	
Chrysene	50	0	51	102				37	163	
bis(2-Ethylhexyl)phthalate	50	0	51	102				35	180	
Di-n-octyl phthalate	50	0	54	108				36	179	
Benzo(b)fluoranthene	50	0	55	110				39	171	
Benzo(k)fluoranthene	50	0	52	104				36	171	
Benzo(a)pyrene	50	0	54	108				36	165	
Indeno(1,2,3-cd)pyrene	50	0	52	104				10	179	
Dibenz(a,h)anthracene	50	0	53	106				23	172	
Benzo(g,h,i)perylene	50	0	55	110				10	183	

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: C1640-05MSD	**Client Sample ID: PZ-5MSD**									
Benzaldehyde	50	0	1.3	3	*	40	*	10	160	20
Phenol	50	0	15	30		18		10	161	20
bis(2-Chloroethyl)ether	50	0	49	98		12		27	159	20
2-Chlorophenol	50	0	39	78		10		10	148	20
2-Methylphenol	50	0	32	64		17		10	150	20
2,2-oxybis(1-Chloropropane)	50	0	46	92		12		30	151	20
Acetophenone	50	0	49	98		6		42	139	20
3+4-Methylphenols	50	0	30	60		10		10	131	20
N-Nitroso-di-n-propylamine	50	0	48	96		14		22	167	20
Hexachloroethane	50	0	37	74		15		13	140	20
Nitrobenzene	50	0	50	100		4		24	157	20
Isophorone	50	0	51	102		6		23	168	20
2-Nitrophenol	50	0	49	98		4		10	166	20
2,4-Dimethylphenol	50	0	44	88		7		10	153	20
bis(2-Chloroethoxy)methane	50	0	50	100		2		22	165	20
2,4-Dichlorophenol	50	0	45	90		6		10	166	20
Naphthalene	50	0	47	94		4		10	169	20
4-Chloroaniline	50	0	6.0	12		29	*	10	161	20
Hexachlorobutadiene	50	0	44	88		4		14	140	20
Caprolactam	50	0	8.1	16		6		10	160	20
4-Chloro-3-methylphenol	50	0	48	96		2		10	177	20
2-Methylnaphthalene	50	0	48	96		4		25	151	20
Hexachlorocyclopentadiene	100	0	85	85		1		10	145	20
2,4,6-Trichlorophenol	50	0	50	100		2		10	155	20
2,4,5-Trichlorophenol	50	0	49	98		2		10	173	20
1,1-Biphenyl	50	0	47	94		0		35	142	20
2-Chloronaphthalene	50	0	49	98		2		27	158	20
2-Nitroaniline	50	0	53	106		6		22	178	20
Dimethylphthalate	50	0	56	112		4		11	146	20
Acenaphthylene	50	0	51	102		4		25	162	20
2,6-Dinitrotoluene	50	0	59	118		7		33	168	20
3-Nitroaniline	50	0	20	40		35	*	10	120	20
Acenaphthene	50	0	51	102		0		19	166	20
2,4-Dinitrophenol	100	0	140	140		7		10	192	20
4-Nitrophenol	100	0	47	47		4		10	161	20
Dibenzofuran	50	0	51	102		2		26	164	20
2,4-Dinitrotoluene	50	0	56	112		7		27	172	20
Diethylphthalate	50	0	56	112		0		31	158	20
4-Chlorophenyl-phenylether	50	0	52	104		0		25	168	20
Fluorene	50	0	53	106		2		18	171	20
4-Nitroaniline	50	0	51	102		8		17	162	20
4,6-Dinitro-2-methylphenol	50	0	59	118		2		10	203	20
N-Nitrosodiphenylamine	50	0	49	98		2		26	167	20
4-Bromophenyl-phenylether	50	0	49	98		2		44	155	20
Hexachlorobenzene	50	0	49	98		4		31	160	20
Atrazine	50	0	34	68		14		25	169	20
Pentachlorophenol	100	0	120	120		0		10	179	20
Phenanthrene	50	0	51	102		0		29	168	20

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Anthracene	50	0	50	100		2		20	176	20
Carbazole	50	0	53	106		2		36	171	20
Di-n-butylphthalate	50	0	55	110		0		33	177	20
Fluoranthene	50	0	54	108		0		23	174	20
Pyrene	50	0	52	104		2		19	182	20
Butylbenzylphthalate	50	0	53	106		6		37	172	20
3,3-Dichlorobenzidine	50	0	32	64		13		10	160	20
Benzo(a)anthracene	50	0	51	102		4		33	165	20
Chrysene	50	0	50	100		2		37	163	20
bis(2-Ethylhexyl)phthalate	50	0	51	102		0		35	180	20
Di-n-octyl phthalate	50	0	52	104		4		36	179	20
Benzo(b)fluoranthene	50	0	54	108		2		39	171	20
Benzo(k)fluoranthene	50	0	51	102		2		36	171	20
Benzo(a)pyrene	50	0	53	106		2		36	165	20
Indeno(1,2,3-cd)pyrene	50	0	52	104		0		10	179	20
Dibenz(a,h)anthracene	50	0	52	104		2		23	172	20
Benzo(g,h,i)perylene	50	0	53	106		4		10	183	20

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: C1640-16MS	**Client Sample ID: SB-10-10-11MS**									
Benzaldehyde	2000	0	740	37				10	161	
Phenol	2000	0	1800	90				43	127	
bis(2-Chloroethyl)ether	2000	0	1700	85				43	134	
2-Chlorophenol	2000	0	1800	90				41	131	
2-Methylphenol	2000	0	1700	85				44	129	
2,2-oxybis(1-Chloropropane)	2000	0	1600	80				36	137	
Acetophenone	2000	0	1900	95				48	131	
3+4-Methylphenols	2000	0	1800	90				44	131	
N-Nitroso-di-n-propylamine	2000	0	1700	85				41	137	
Hexachloroethane	2000	0	1300	65				25	142	
Nitrobenzene	2000	0	2200	110				37	136	
Isophorone	2000	0	2900	145	*			42	137	
2-Nitrophenol	2000	0	2000	100				28	135	
2,4-Dimethylphenol	2000	260	2000	87				35	136	
bis(2-Chloroethoxy)methane	2000	0	1700	85				38	139	
2,4-Dichlorophenol	2000	0	1700	85				34	137	
Naphthalene	2000	0	1800	90				23	160	
4-Chloroaniline	2000	0	1300	65				10	160	
Hexachlorobutadiene	2000	0	1400	70				37	132	
Caprolactam	2000	0	1500	75				24	145	
4-Chloro-3-methylphenol	2000	0	1900	95				40	131	
2-Methylnaphthalene	2000	0	1800	90				37	139	
Hexachlorocyclopentadiene	4100	0	1900	46				10	128	
2,4,6-Trichlorophenol	2000	0	1500	75				32	131	
2,4,5-Trichlorophenol	2000	0	1500	75				39	134	
1,1-Biphenyl	2000	0	1600	80				47	131	
2-Chloronaphthalene	2000	0	1600	80				43	133	
2-Nitroaniline	2000	0	1900	95				41	138	
Dimethylphthalate	2000	450	2300	93				51	132	
Acenaphthylene	2000	0	1700	85				28	155	
2,6-Dinitrotoluene	2000	0	1900	95				41	130	
3-Nitroaniline	2000	0	1600	80				10	155	
Acenaphthene	2000	0	1800	90				32	146	
2,4-Dinitrophenol	4100	0	2800	68				10	177	
4-Nitrophenol	4100	0	4000	98				10	155	
Dibenzofuran	2000	0	1800	90				36	147	
2,4-Dinitrotoluene	2000	0	1800	90				38	131	
Diethylphthalate	2000	0	2100	105				47	132	
4-Chlorophenyl-phenylether	2000	0	1800	90				43	133	
Fluorene	2000	0	2000	100				17	166	
4-Nitroaniline	2000	0	2100	105				23	137	
4,6-Dinitro-2-methylphenol	2000	0	1800	90				10	153	
N-Nitrosodiphenylamine	2000	0	1700	85				40	143	
4-Bromophenyl-phenylether	2000	0	1700	85				40	135	
Hexachlorobenzene	2000	0	1700	85				43	132	
Atrazine	2000	0	1800	90				38	135	
Pentachlorophenol	4100	0	4000	98				10	146	
Phenanthrene	2000	81	1700	81				30	149	

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Anthracene	2000	0	1800	90				27	158	
Carbazole	2000	0	1800	90				38	147	
Di-n-butylphthalate	2000	0	1900	95				45	135	
Fluoranthene	2000	140	1800	83				26	155	
Pyrene	2000	190	1700	76				22	173	
Butylbenzylphthalate	2000	0	1700	85				46	141	
3,3-Dichlorobenzidine	2000	0	1400	70				10	126	
Benzo(a)anthracene	2000	57	1600	77				27	159	
Chrysene	2000	63	1700	82				23	166	
bis(2-Ethylhexyl)phthalate	2000	460	2000	77				39	159	
Di-n-octyl phthalate	2000	0	1700	85				36	151	
Benzo(b)fluoranthene	2000	65	1700	82				21	171	
Benzo(k)fluoranthene	2000	0	1700	85				26	165	
Benzo(a)pyrene	2000	0	1700	85				26	157	
Indeno(1,2,3-cd)pyrene	2000	0	1600	80				10	188	
Dibenz(a,h)anthracene	2000	0	1800	90				18	147	
Benzo(g,h,i)perylene	2000	0	1800	90				10	177	

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: C1640-16MSD	**Client Sample ID: SB-10-10-11MSD**									
Benzaldehyde	2000	0	930	47		24	*	10	161	20
Phenol	2000	0	2000	100		11		43	127	20
bis(2-Chloroethyl)ether	2000	0	2000	100		16		43	134	20
2-Chlorophenol	2000	0	2100	105		15		41	131	20
2-Methylphenol	2000	0	2100	105		21	*	44	129	20
2,2-oxybis(1-Chloropropane)	2000	0	1900	95		17		36	137	20
Acetophenone	2000	0	2300	115		19		48	131	20
3+4-Methylphenols	2000	0	2100	105		15		44	131	20
N-Nitroso-di-n-propylamine	2000	0	1900	95		11		41	137	20
Hexachloroethane	2000	0	1700	85		27	*	25	142	20
Nitrobenzene	2000	0	2500	125		13		37	136	20
Isophorone	2000	0	3500	175	*	19		42	137	20
2-Nitrophenol	2000	0	2000	100		0		28	135	20
2,4-Dimethylphenol	2000	260	2300	102		16		35	136	20
bis(2-Chloroethoxy)methane	2000	0	2000	100		16		38	139	20
2,4-Dichlorophenol	2000	0	2000	100		16		34	137	20
Naphthalene	2000	0	2100	105		15		23	160	20
4-Chloroaniline	2000	0	670	34		63	*	10	160	20
Hexachlorobutadiene	2000	0	1700	85		19		37	132	20
Caprolactam	2000	0	1600	80		6		24	145	20
4-Chloro-3-methylphenol	2000	0	2200	110		15		40	131	20
2-Methylnaphthalene	2000	0	2100	105		15		37	139	20
Hexachlorocyclopentadiene	4100	0	2400	59		25	*	10	128	20
2,4,6-Trichlorophenol	2000	0	1700	85		13		32	131	20
2,4,5-Trichlorophenol	2000	0	1700	85		13		39	134	20
1,1-Biphenyl	2000	0	1800	90		12		47	131	20
2-Chloronaphthalene	2000	0	1900	95		17		43	133	20
2-Nitroaniline	2000	0	2000	100		5		41	138	20
Dimethylphthalate	2000	450	2300	93		0		51	132	20
Acenaphthylene	2000	0	2000	100		16		28	155	20
2,6-Dinitrotoluene	2000	0	2000	100		5		41	130	20
3-Nitroaniline	2000	0	1500	75		6		10	155	20
Acenaphthene	2000	0	2100	105		15		32	146	20
2,4-Dinitrophenol	4100	0	2200	54		23	*	10	177	20
4-Nitrophenol	4100	0	4500	110		12		10	155	20
Dibenzofuran	2000	0	2100	105		15		36	147	20
2,4-Dinitrotoluene	2000	0	2000	100		11		38	131	20
Diethylphthalate	2000	0	2400	120		13		47	132	20
4-Chlorophenyl-phenylether	2000	0	2100	105		15		43	133	20
Fluorene	2000	0	2200	110		10		17	166	20
4-Nitroaniline	2000	0	2200	110		5		23	137	20
4,6-Dinitro-2-methylphenol	2000	0	2000	100		11		10	153	20
N-Nitrosodiphenylamine	2000	0	2000	100		16		40	143	20
4-Bromophenyl-phenylether	2000	0	1900	95		11		40	135	20
Hexachlorobenzene	2000	0	1900	95		11		43	132	20
Atrazine	2000	0	2100	105		15		38	135	20
Pentachlorophenol	4100	0	4600	112		13		10	146	20
Phenanthrene	2000	81	2100	101		22	*	30	149	20

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Anthracene	2000	0	2100	105		15		27	158	20
Carbazole	2000	0	2000	100		11		38	147	20
Di-n-butylphthalate	2000	0	2200	110		15		45	135	20
Fluoranthene	2000	140	2100	98		17		26	155	20
Pyrene	2000	190	2200	101		28	*	22	173	20
Butylbenzylphthalate	2000	0	2100	105		21	*	46	141	20
3,3-Dichlorobenzidine	2000	0	1300	65		7		10	126	20
Benzo(a)anthracene	2000	57	2000	97		23	*	27	159	20
Chrysene	2000	63	2000	97		17		23	166	20
bis(2-Ethylhexyl)phthalate	2000	460	2500	102		28	*	39	159	20
Di-n-octyl phthalate	2000	0	2000	100		16		36	151	20
Benzo(b)fluoranthene	2000	65	2100	102		22	*	21	171	20
Benzo(k)fluoranthene	2000	0	1800	90		6		26	165	20
Benzo(a)pyrene	2000	0	2000	100		16		26	157	20
Indeno(1,2,3-cd)pyrene	2000	0	1900	95		17		10	188	20
Dibenz(a,h)anthracene	2000	0	2100	105		15		18	147	20
Benzo(g,h,i)perylene	2000	0	2100	105		15		10	177	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB54316BS	Benzaldehyde	1700	380	22				10	161	
	Phenol	1700	1400	82				51	111	
	bis(2-Chloroethyl)ether	1700	1400	82				48	114	
	2-Chlorophenol	1700	1400	82				53	110	
	2-Methylphenol	1700	1400	82				52	111	
	2,2-oxybis(1-Chloropropane)	1700	1400	82				45	117	
	Acetophenone	1700	1500	88				51	114	
	3+4-Methylphenols	1700	1400	82				54	109	
	N-Nitroso-di-n-propylamine	1700	1400	82				51	114	
	Hexachloroethane	1700	1400	82				44	113	
	Nitrobenzene	1700	1400	82				49	114	
	Isophorone	1700	1500	88				52	113	
	2-Nitrophenol	1700	1500	88				51	116	
	2,4-Dimethylphenol	1700	1500	88				46	148	
	bis(2-Chloroethoxy)methane	1700	1500	88				52	115	
	2,4-Dichlorophenol	1700	1500	88				53	112	
	Naphthalene	1700	1500	88				51	114	
	4-Chloroaniline	1700	500	29				25	115	
	Hexachlorobutadiene	1700	1600	94				47	116	
	Caprolactam	1700	1500	88				34	117	
	4-Chloro-3-methylphenol	1700	1500	88				56	111	
	2-Methylnaphthalene	1700	1400	82				54	111	
	Hexachlorocyclopentadiene	3300	3200	97				43	112	
	2,4,6-Trichlorophenol	1700	1500	88				53	112	
	2,4,5-Trichlorophenol	1700	1500	88				53	113	
	1,1-Biphenyl	1700	1500	88				55	109	
	2-Chloronaphthalene	1700	1500	88				55	112	
	2-Nitroaniline	1700	1500	88				53	118	
	Dimethylphthalate	1700	1700	100				57	112	
	Acenaphthylene	1700	1500	88				54	113	
	2,6-Dinitrotoluene	1700	1700	100				55	114	
	3-Nitroaniline	1700	880	52				10	157	
	Acenaphthene	1700	1500	88				54	113	
	2,4-Dinitrophenol	3300	2900	88				15	153	
	4-Nitrophenol	3300	3100	94				44	115	
	Dibenzofuran	1700	1500	88				59	108	
	2,4-Dinitrotoluene	1700	1400	82				55	115	
	Diethylphthalate	1700	1600	94				56	111	
	4-Chlorophenyl-phenylether	1700	1500	88				56	111	
	Fluorene	1700	1500	88				56	113	
	4-Nitroaniline	1700	1500	88				46	113	
	4,6-Dinitro-2-methylphenol	1700	1600	94				39	126	
	N-Nitrosodiphenylamine	1700	1500	88				54	115	
	4-Bromophenyl-phenylether	1700	1500	88				51	120	
	Hexachlorobenzene	1700	1500	88				52	117	
	Atrazine	1700	1500	88				40	127	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB54316BS	Pentachlorophenol	3300	3200	97				47	116	
	Phenanthrene	1700	1500	88				56	113	
	Anthracene	1700	1500	88				56	113	
	Carbazole	1700	1500	88				54	117	
	Di-n-butylphthalate	1700	1500	88				58	115	
	Fluoranthene	1700	1500	88				54	117	
	Pyrene	1700	1600	94				58	117	
	Butylbenzylphthalate	1700	1500	88				57	122	
	3,3-Dichlorobenzidine	1700	590	35				10	157	
	Benzo(a)anthracene	1700	1500	88				57	112	
	Chrysene	1700	1500	88				59	114	
	bis(2-Ethylhexyl)phthalate	1700	1500	88				60	119	
	Di-n-octyl phthalate	1700	1500	88				56	122	
	Benzo(b)fluoranthene	1700	1400	82				53	120	
	Benzo(k)fluoranthene	1700	1400	82				56	117	
	Benzo(a)pyrene	1700	1500	88				56	117	
	Indeno(1,2,3-cd)pyrene	1700	1500	88				49	120	
	Dibenz(a,h)anthracene	1700	1600	94				52	119	
	Benzo(g,h,i)perylene	1700	1600	94				53	119	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB54329BS	Benzaldehyde	50	11	22				10	161	
	Phenol	50	14	28				10	132	
	bis(2-Chloroethyl)ether	50	51	102				38	127	
	2-Chlorophenol	50	37	74				10	148	
	2-Methylphenol	50	31	62				10	152	
	2,2-oxybis(1-Chloropropane)	50	48	96				46	118	
	Acetophenone	50	52	104				57	116	
	3+4-Methylphenols	50	28	56				10	152	
	N-Nitroso-di-n-propylamine	50	51	102				49	120	
	Hexachloroethane	50	43	86				26	152	
	Nitrobenzene	50	52	104				37	127	
	Isophorone	50	54	108				50	122	
	2-Nitrophenol	50	49	98				49	122	
	2,4-Dimethylphenol	50	42	84				10	119	
	bis(2-Chloroethoxy)methane	50	51	102				48	123	
	2,4-Dichlorophenol	50	46	92				10	124	
	Naphthalene	50	49	98				42	115	
	4-Chloroaniline	50	8.0	16				10	161	
	Hexachlorobutadiene	50	49	98				33	114	
	Caprolactam	50	8.8	18				10	161	
	4-Chloro-3-methylphenol	50	46	92				10	114	
	2-Methylnaphthalene	50	49	98				51	114	
	Hexachlorocyclopentadiene	100	88	88				10	155	
	2,4,6-Trichlorophenol	50	47	94				10	121	
	2,4,5-Trichlorophenol	50	48	96				10	123	
	1,1-Biphenyl	50	48	96				58	115	
	2-Chloronaphthalene	50	48	96				52	117	
	2-Nitroaniline	50	52	104				62	123	
	Dimethylphthalate	50	54	108				3	142	
	Acenaphthylene	50	51	102				52	118	
	2,6-Dinitrotoluene	50	56	112				65	120	
	3-Nitroaniline	50	20	40				10	120	
	Acenaphthene	50	51	102				51	118	
	2,4-Dinitrophenol	100	120	120				10	136	
	4-Nitrophenol	100	38	38				10	161	
	Dibenzofuran	50	50	100				61	115	
	2,4-Dinitrotoluene	50	54	108				68	122	
	Diethylphthalate	50	56	112				51	122	
	4-Chlorophenyl-phenylether	50	50	100				62	119	
	Fluorene	50	53	106				55	121	
	4-Nitroaniline	50	53	106				66	123	
	4,6-Dinitro-2-methylphenol	50	61	122				10	144	
	N-Nitrosodiphenylamine	50	49	98				64	119	
	4-Bromophenyl-phenylether	50	50	100				63	123	
	Hexachlorobenzene	50	51	102				45	136	
	Atrazine	50	55	110				61	132	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB54329BS	Pentachlorophenol	100	120	120				10	124	
	Phenanthrene	50	52	104				55	126	
	Anthracene	50	52	104				59	122	
	Carbazole	50	54	108				70	124	
	Di-n-butylphthalate	50	55	110				72	121	
	Fluoranthene	50	55	110				61	127	
	Pyrene	50	52	104				62	128	
	Butylbenzylphthalate	50	52	104				66	129	
	3,3-Dichlorobenzidine	50	18	36				10	160	
	Benzo(a)anthracene	50	53	106				52	136	
	Chrysene	50	49	98				55	136	
	bis(2-Ethylhexyl)phthalate	50	52	104				69	130	
	Di-n-octyl phthalate	50	51	102				66	131	
	Benzo(b)fluoranthene	50	53	106				48	149	
	Benzo(k)fluoranthene	50	51	102				54	138	
	Benzo(a)pyrene	50	53	106				55	139	
	Indeno(1,2,3-cd)pyrene	50	50	100				10	145	
	Dibenz(a,h)anthracene	50	53	106				45	150	
	Benzo(g,h,i)perylene	50	53	106				54	138	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB54344BS	Benzaldehyde	1700	250	15				10	161	
	Phenol	1700	1200	71				51	111	
	bis(2-Chloroethyl)ether	1700	1300	76				48	114	
	2-Chlorophenol	1700	1200	71				53	110	
	2-Methylphenol	1700	1200	71				52	111	
	2,2-oxybis(1-Chloropropane)	1700	1200	71				45	117	
	Acetophenone	1700	1200	71				51	114	
	3+4-Methylphenols	1700	1200	71				54	109	
	N-Nitroso-di-n-propylamine	1700	1300	76				51	114	
	Hexachloroethane	1700	1100	65				44	113	
	Nitrobenzene	1700	1300	76				49	114	
	Isophorone	1700	1300	76				52	113	
	2-Nitrophenol	1700	1300	76				51	116	
	2,4-Dimethylphenol	1700	1300	76				46	148	
	bis(2-Chloroethoxy)methane	1700	1300	76				52	115	
	2,4-Dichlorophenol	1700	1200	71				53	112	
	Naphthalene	1700	1300	76				51	114	
	4-Chloroaniline	1700	330	19		*		25	115	
	Hexachlorobutadiene	1700	1300	76				47	116	
	Caprolactam	1700	1300	76				34	117	
	4-Chloro-3-methylphenol	1700	1200	71				56	111	
	2-Methylnaphthalene	1700	1200	71				54	111	
	Hexachlorocyclopentadiene	3300	2600	79				43	112	
	2,4,6-Trichlorophenol	1700	1300	76				53	112	
	2,4,5-Trichlorophenol	1700	1300	76				53	113	
	1,1-Biphenyl	1700	1300	76				55	109	
	2-Chloronaphthalene	1700	1300	76				55	112	
	2-Nitroaniline	1700	1300	76				53	118	
	Dimethylphthalate	1700	1600	94				57	112	
	Acenaphthylene	1700	1300	76				54	113	
	2,6-Dinitrotoluene	1700	1400	82				55	114	
	3-Nitroaniline	1700	620	36				10	157	
	Acenaphthene	1700	1300	76				54	113	
	2,4-Dinitrophenol	3300	2400	73				15	153	
	4-Nitrophenol	3300	2500	76				44	115	
	Dibenzofuran	1700	1300	76				59	108	
	2,4-Dinitrotoluene	1700	1200	71				55	115	
	Diethylphthalate	1700	1300	76				56	111	
	4-Chlorophenyl-phenylether	1700	1300	76				56	111	
	Fluorene	1700	1300	76				56	113	
	4-Nitroaniline	1700	1200	71				46	113	
	4,6-Dinitro-2-methylphenol	1700	1300	76				39	126	
	N-Nitrosodiphenylamine	1700	1300	76				54	115	
	4-Bromophenyl-phenylether	1700	1300	76				51	120	
	Hexachlorobenzene	1700	1400	82				52	117	
	Atrazine	1700	1400	82				40	127	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: C1640

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB54344BS	Pentachlorophenol	3300	2600	79				47	116	
	Phenanthrene	1700	1300	76				56	113	
	Anthracene	1700	1300	76				56	113	
	Carbazole	1700	1300	76				54	117	
	Di-n-butylphthalate	1700	1300	76				58	115	
	Fluoranthene	1700	1300	76				54	117	
	Pyrene	1700	1300	76				58	117	
	Butylbenzylphthalate	1700	1400	82				57	122	
	3,3-Dichlorobenzidine	1700	400	24				10	157	
	Benzo(a)anthracene	1700	1300	76				57	112	
	Chrysene	1700	1300	76				59	114	
	bis(2-Ethylhexyl)phthalate	1700	1300	76				60	119	
	Di-n-octyl phthalate	1700	1300	76				56	122	
	Benzo(b)fluoranthene	1700	1300	76				53	120	
	Benzo(k)fluoranthene	1700	1200	71				56	117	
	Benzo(a)pyrene	1700	1300	76				56	117	
	Indeno(1,2,3-cd)pyrene	1700	1300	76				49	120	
	Dibenz(a,h)anthracene	1700	1300	76				52	119	
	Benzo(g,h,i)perylene	1700	1400	82				53	119	

CHEMTECH

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB54316B

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

Lab File ID: BF044423.D Lab Sample ID: PB54316B

Instrument ID: BNAF Date Extracted: 03/25/2011

Matrix: (soil/water) SOIL Date Analyzed: 04/01/2011

Level: (low/med) LOW Time Analyzed: 17:43

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SB-10-10-11MSD	C1640-16MSD	BF044445.D	04/02/2011
SB-10-10-11MS	C1640-16MS	BF044444.D	04/02/2011
SB-10-10-11	C1640-16	BF044443.D	04/02/2011
PB54316BS	PB54316BS	BF044424.D	04/01/2011
SB-07-10-11	C1640-07	BF044463.D	04/04/2011
SB-09-9-10	C1640-13	BF044462.D	04/04/2011

COMMENTS:

CHEMTECH

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB54329B

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

Lab File ID: BF044519.D Lab Sample ID: PB54329B

Instrument ID: BNAF Date Extracted: 03/28/2011

Matrix: (soil/water) WATER Date Analyzed: 04/06/2011

Level: (low/med) LOW Time Analyzed: 04:44

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PZ-4R	C1640-19	BF044531.D	04/06/2011
SB-10-GW-13	C1640-17	BF044530.D	04/06/2011
SB-10-GW-25	C1640-18	BF044529.D	04/06/2011
SB-09-GW-25	C1640-15	BF044528.D	04/06/2011
SB-09-GW-13	C1640-14	BF044527.D	04/06/2011
SB-08-GW-25	C1640-12	BF044526.D	04/06/2011
PZ-X	C1640-02	BF044525.D	04/06/2011
PZ-3	C1640-01	BF044524.D	04/06/2011
PB54329BS	PB54329BS	BF044520.D	04/06/2011
SB-08-GW-13	C1640-11	BF044518.D	04/06/2011
SB-07-GW-25	C1640-09	BF044517.D	04/06/2011
SB-07-GW-13	C1640-08	BF044516.D	04/06/2011
PZ-6	C1640-06	BF044514.D	04/06/2011
PZ-5MSD	C1640-05MSD	BF044513.D	04/06/2011
PZ-5MS	C1640-04MS	BF044512.D	04/06/2011
PZ-5	C1640-03	BF044511.D	04/06/2011
SB-10-GW-13RE	C1640-17RE	BF044546.D	04/06/2011

COMMENTS:

CHEMTECH

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB54344B

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

Lab File ID: BF044419.D Lab Sample ID: PB54344B

Instrument ID: BNAF Date Extracted: 03/28/2011

Matrix: (soil/water) SOIL Date Analyzed: 04/01/2011

Level: (low/med) LOW Time Analyzed: 15:52

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SB-08-10-11	C1640-21	BF044515.D	04/06/2011
PB54344BS	PB54344BS	BF044420.D	04/01/2011

COMMENTS:

CHEMTECH

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

EPA Sample No.: SSTD040 Date Analyzed: 04/01/2011

Lab File ID: BF044426.D Time Analyzed: 19:07

Instrument ID: BNAF GC Column: RTX-5 SILMS ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	75571	4.59	249300	5.76	120477	7.41
	UPPER LIMIT	151142	5.09	498600	6.26	240954	7.91
	LOWER LIMIT	37785.5	4.09	124650	5.26	60238.5	6.91
	EPA SAMPLE NO.						
01	SB-10-10-11	50411	4.60	165473	5.77	101579	7.41
02	SB-10-10-11MS	55129	4.60	167928	5.77	97831	7.42
03	SB-10-10-11MSD	57771	4.60	174791	5.77	101228	7.42

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

EPA Sample No.: SSTD040 Date Analyzed: 04/04/2011

Lab File ID: BF044456.D Time Analyzed: 15:30

Instrument ID: BNAF GC Column: RTX-5 SILMS ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	63284	4.58	232540	5.75	124710	7.39
	UPPER LIMIT	126568	5.08	465080	6.25	249420	7.89
	LOWER LIMIT	31642	4.08	116270	5.25	62355	6.89
	EPA SAMPLE NO.						
01	SB-09-9-10	53307	4.58	196888	5.75	124309	7.39
02	SB-07-10-11	62378	4.58	248492	5.75	132013	7.39

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

EPA Sample No.: SSTD040 Date Analyzed: 04/05/2011

Lab File ID: BF044497.D Time Analyzed: 18:28

Instrument ID: BNAF GC Column: RTX-5 SILMS ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	71733	4.56	250408	5.73	124593	7.37
	UPPER LIMIT	143466	5.06	500816	6.23	249186	7.87
	LOWER LIMIT	35866.5	4.06	125204	5.23	62296.5	6.87
	EPA SAMPLE NO.						
01	PZ-5	63165	4.56	227992	5.73	122801	7.37
02	PZ-5MS	59507	4.56	214461	5.73	108917	7.37
03	PZ-5MSD	60571	4.56	205370	5.73	100197	7.37
04	PZ-6	59066	4.56	231489	5.73	123372	7.37
05	SB-08-10-11	50204	4.56	179709	5.73	109403	7.37
06	SB-07-GW-13	66513	4.56	220923	5.73	117389	7.37
07	SB-07-GW-25	58895	4.56	217671	5.73	117863	7.37
08	SB-08-GW-13	54061	4.56	188797	5.73	90222	7.37
09	PB54329B	63237	4.56	221616	5.73	116687	7.37
10	PB54329BS	59358	4.56	198032	5.73	97795	7.37

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

EPA Sample No.: SSTD040 Date Analyzed: 04/06/2011

Lab File ID: BF044523.D Time Analyzed: 06:34

Instrument ID: BNAF GC Column: RTX-5 SILMS ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	59500	4.56	220759	5.73	114294	7.37
	UPPER LIMIT	119000	5.06	441518	6.23	228588	7.87
	LOWER LIMIT	29750	4.06	110379.5	5.23	57147	6.87
	EPA SAMPLE NO.						
01	PZ-3	58812	4.56	213890	5.73	112599	7.37
02	PZ-X	56852	4.56	213175	5.73	112721	7.37
03	SB-08-GW-25	63636	4.56	226145	5.73	115911	7.37
04	SB-09-GW-13	53337	4.56	188556	5.73	98164	7.37
05	SB-09-GW-25	60939	4.56	224147	5.73	120063	7.37
06	SB-10-GW-25	60242	4.56	221200	5.73	113502	7.37
07	SB-10-GW-13	43934	4.56	144286	5.73	95016	7.37
08	PZ-4R	56834	4.56	195075	5.73	96501	7.37

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

EPA Sample No.: SSTD040 Date Analyzed: 04/06/2011

Lab File ID: BF044542.D Time Analyzed: 16:26

Instrument ID: BNAF GC Column: RTX-5 SILMS ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	72018	4.55	257192	5.72	129731	7.36
	UPPER LIMIT	144036	5.05	514384	6.22	259462	7.86
	LOWER LIMIT	36009	4.05	128596	5.22	64865.5	6.86
	EPA SAMPLE NO.						
01	SB-10-GW-13RE	51949	4.55	182048	5.72	117240	7.36

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

EPA Sample No.: SSTD040 Date Analyzed: 04/01/2011

Lab File ID: BF044412.D Time Analyzed: 12:36

Instrument ID: BNAF GC Column: RTX-5 SILMS ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	70750	4.59	249463	5.77	116950	7.42
	UPPER LIMIT	141500	5.09	498926	6.27	233900	7.92
	LOWER LIMIT	35375	4.09	124731.5	5.27	58475	6.92
	EPA SAMPLE NO.						
01	PB54344B	75679	4.59	275096	5.76	139251	7.41
02	PB54344BS	75203	4.59	257898	5.76	118296	7.42
03	PB54316B	76015	4.59	284806	5.76	142976	7.41
04	PB54316BS	74016	4.59	252445	5.76	115569	7.42

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

EPA Sample No.: SSTD040 Date Analyzed: 04/01/2011

Lab File ID: BF044426.D Time Analyzed: 19:07

Instrument ID: BNAF GC Column: RTX-5 SILMS ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	202365	9.04	129160	12.2	133918	13.94
	UPPER LIMIT	404730	9.54	258320	12.7	267836	14.44
	LOWER LIMIT	101182.5	8.54	64580	11.7	66959	13.44
	EPA SAMPLE NO.						
01	SB-10-10-11	165505	9.04	85895	12.20	97524	13.94
02	SB-10-10-11MS	176564	9.04	120616	12.20	112634	13.94
03	SB-10-10-11MSD	179598	9.04	116839	12.20	112144	13.94

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

EPA Sample No.: SSTD040 Date Analyzed: 04/04/2011

Lab File ID: BF044456.D Time Analyzed: 15:30

Instrument ID: BNAF GC Column: RTX-5 SILMS ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	218696	9.02	153413	12.18	155462	13.91
	UPPER LIMIT	437392	9.52	306826	12.68	310924	14.41
	LOWER LIMIT	109348	8.52	76706.5	11.68	77731	13.41
	EPA SAMPLE NO.						
01	SB-09-9-10	199827	9.02	165034	12.17	170024	13.90
02	SB-07-10-11	221845	9.02	170699	12.17	156620	13.91

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

EPA Sample No.: SSTD040 Date Analyzed: 04/05/2011

Lab File ID: BF044497.D Time Analyzed: 18:28

Instrument ID: BNAF GC Column: RTX-5 SILMS ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	211923	9	135499	12.15	138783	13.87
	UPPER LIMIT	423846	9.5	270998	12.65	277566	14.37
	LOWER LIMIT	105961.5	8.5	67749.5	11.65	69391.5	13.37
	EPA SAMPLE NO.						
01	PZ-5	210067	9.00	174720	12.15	171938	13.87
02	PZ-5MS	184146	9.00	119785	12.16	117613	13.87
03	PZ-5MSD	175090	9.00	118400	12.16	116368	13.87
04	PZ-6	202255	9.00	163445	12.15	162917	13.87
05	SB-08-10-11	204780	9.00	159777	12.15	156618	13.87
06	SB-07-GW-13	198765	8.99	162887	12.15	134109	13.87
07	SB-07-GW-25	189256	8.99	164529	12.15	160851	13.87
08	SB-08-GW-13	148236	9.00	123364	12.15	129345	13.87
09	PB54329B	197390	9.00	164281	12.15	163637	13.87
10	PB54329BS	166448	9.00	115601	12.15	112657	13.87

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

EPA Sample No.: SSTD040 Date Analyzed: 04/06/2011

Lab File ID: BF044523.D Time Analyzed: 06:34

Instrument ID: BNAF GC Column: RTX-5 SILMS ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	203843	9	132882	12.15	134247	13.87
	UPPER LIMIT	407686	9.5	265764	12.65	268494	14.37
	LOWER LIMIT	101921.5	8.5	66441	11.65	67123.5	13.37
	EPA SAMPLE NO.						
01	PZ-3	187714	9.00	161722	12.15	158828	13.87
02	PZ-X	189320	9.00	162563	12.15	155408	13.87
03	SB-08-GW-25	188213	9.00	159123	12.15	157267	13.87
04	SB-09-GW-13	171182	9.00	136234	12.15	143329	13.87
05	SB-09-GW-25	191947	9.00	159287	12.15	159474	13.87
06	SB-10-GW-25	190597	9.00	163219	12.15	155383	13.87
07	SB-10-GW-13	175383	9.00	144846	12.15	143588	13.87
08	PZ-4R	171795	9.00	147242	12.15	152857	13.87

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

EPA Sample No.: SSTD040 Date Analyzed: 04/06/2011

Lab File ID: BF044542.D Time Analyzed: 16:26

Instrument ID: BNAF GC Column: RTX-5 SILMS ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	221917	8.98	146370	12.13	148348	13.84
	UPPER LIMIT	443834	9.48	292740	12.63	296696	14.34
	LOWER LIMIT	110958.5	8.48	73185	11.63	74174	13.34
	EPA SAMPLE NO.						
01	SB-10-GW-13RE	211601	8.97	163259	12.13	170993	13.84

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: C1640 SAS No.: C1640 SDG NO.: C1640

EPA Sample No.: SSTD040 Date Analyzed: 04/01/2011

Lab File ID: BF044412.D Time Analyzed: 12:36

Instrument ID: BNAF GC Column: RTX-5 SILMS ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	189986	9.04	122546	12.2	124834	13.94
	UPPER LIMIT	379972	9.54	245092	12.7	249668	14.44
	LOWER LIMIT	94993	8.54	61273	11.7	62417	13.44
	EPA SAMPLE NO.						
01	PB54344B	212578	9.04	160860	12.20	157812	13.94
02	PB54344BS	182191	9.04	115731	12.20	118831	13.94
03	PB54316B	217411	9.04	158890	12.20	159613	13.93
04	PB54316BS	185321	9.04	112207	12.20	115871	13.94

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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* Values outside of QC limits.

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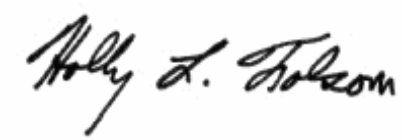
August 24, 2011

Stefan Bagnato
Malcolm Pirnie - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065

Project Location: Majestic Cleaners, Brooklyn
Client Job Number:
Project Number: 00266384.0000
Laboratory Work Order Number: 11H0556

Enclosed are results of analyses for samples received by the laboratory on August 15, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Holly L. Folsom
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Malcolm Pirnie - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: Stefan Bagnato

REPORT DATE: 8/24/2011

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 00266384.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11H0556

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Majestic Cleaners, Brooklyn

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
AA-2	11H0556-01	Ambient Air	Ambient Air	EPA TO-15	
SV-12	11H0556-02	Soil Gas	Soil Vapor	EPA TO-15	
SV-13	11H0556-03	Soil Gas	Soil Vapor	EPA TO-15	
SV-A	11H0556-04	Soil Gas	Soil Vapor	EPA TO-15	
SV-14	11H0556-05	Soil Gas	Soil Vapor	EPA TO-15	
SV-15	11H0556-06	Soil Gas	Soil Vapor	EPA TO-15	
SV-16	11H0556-07	Soil Gas	Soil Vapor	EPA TO-15	
SV-17	11H0556-08	Soil Gas	Soil Vapor	EPA TO-15	
SV-18	11H0556-09	Soil Gas	Soil Vapor	EPA TO-15	
SV-19	11H0556-10	Soil Gas	Soil Vapor	EPA TO-15	
SV-20	11H0556-11	Soil Gas	Soil Vapor	EPA TO-15	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA TO-15

Qualifications:

Elevated reporting limit due to high concentration of non-target compounds. Requested detection limit not met.

Analyte & Samples(s) Qualified:

11H0556-01[AA-2], 11H0556-02[SV-12], 11H0556-03[SV-13], 11H0556-04[SV-A], 11H0556-05[SV-14], 11H0556-06[SV-15], 11H0556-07[SV-16], 11H0556-08[SV-17], 11H0556-09[SV-18], 11H0556-10[SV-19], 11H0556-11[SV-20]

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Benzyl chloride

S000954-CCV1

Internal standard is outside of criteria in a dilution analysis, sample data is not reported for compounds using this Internal Standard.

Analyte & Samples(s) Qualified:

1,4-Difluorobenzene (1), Bromochloromethane (1)

11H0556-08RE1[SV-17]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Michael A. Erickson
Laboratory Director

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: AA-2
Sample ID: 11H0556-01
Sample Matrix: Ambient Air
Sampled: 8/10/2011 18:00

Sample Description/Location: Ambient Air
Sub Description/Location:
Canister ID: 1466
Canister Size: 6 liter
Flow Controller ID: 3001
Sample Type: 8 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -15
Receipt Vacuum(in Hg): -12.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	11	1.4		25	3.3	0.702	8/18/11 23:12	TPH
Benzene	0.28	0.035		0.90	0.11	0.702	8/18/11 23:12	TPH
Benzyl chloride	ND	0.035		ND	0.18	0.702	8/18/11 23:12	TPH
Bromodichloromethane	ND	0.035		ND	0.24	0.702	8/18/11 23:12	TPH
Bromoform	ND	0.035		ND	0.36	0.702	8/18/11 23:12	TPH
Bromomethane	ND	0.035		ND	0.14	0.702	8/18/11 23:12	TPH
1,3-Butadiene	ND	0.035		ND	0.078	0.702	8/18/11 23:12	TPH
2-Butanone (MEK)	ND	1.4		ND	4.1	0.702	8/18/11 23:12	TPH
Carbon Disulfide	ND	0.35		ND	1.1	0.702	8/18/11 23:12	TPH
Carbon Tetrachloride	0.065	0.035		0.41	0.22	0.702	8/18/11 23:12	TPH
Chlorobenzene	ND	0.035		ND	0.16	0.702	8/18/11 23:12	TPH
Chloroethane	ND	0.035		ND	0.093	0.702	8/18/11 23:12	TPH
Chloroform	ND	0.035		ND	0.17	0.702	8/18/11 23:12	TPH
Chloromethane	0.44	0.035		0.92	0.072	0.702	8/18/11 23:12	TPH
Cyclohexane	ND	0.035		ND	0.12	0.702	8/18/11 23:12	TPH
Dibromochloromethane	ND	0.035		ND	0.30	0.702	8/18/11 23:12	TPH
1,2-Dibromoethane (EDB)	ND	0.035		ND	0.27	0.702	8/18/11 23:12	TPH
1,2-Dichlorobenzene	ND	0.035		ND	0.21	0.702	8/18/11 23:12	TPH
1,3-Dichlorobenzene	ND	0.035		ND	0.21	0.702	8/18/11 23:12	TPH
1,4-Dichlorobenzene	0.055	0.035		0.33	0.21	0.702	8/18/11 23:12	TPH
Dichlorodifluoromethane (Freon 12)	0.32	0.035		1.6	0.17	0.702	8/18/11 23:12	TPH
1,1-Dichloroethane	ND	0.035		ND	0.14	0.702	8/18/11 23:12	TPH
1,2-Dichloroethane	ND	0.035		ND	0.14	0.702	8/18/11 23:12	TPH
1,1-Dichloroethylene	ND	0.035		ND	0.14	0.702	8/18/11 23:12	TPH
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	8/18/11 23:12	TPH
trans-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	8/18/11 23:12	TPH
1,2-Dichloropropane	ND	0.035		ND	0.16	0.702	8/18/11 23:12	TPH
cis-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	8/18/11 23:12	TPH
trans-1,3-Dichloropropene	ND	0.035		ND	0.16	0.702	8/18/11 23:12	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035		ND	0.25	0.702	8/18/11 23:12	TPH
Ethanol	5.3	1.4		10.0	2.6	0.702	8/18/11 23:12	TPH
Ethyl Acetate	ND	0.035		ND	0.13	0.702	8/18/11 23:12	TPH
Ethylbenzene	0.14	0.035		0.59	0.15	0.702	8/18/11 23:12	TPH
4-Ethyltoluene	0.044	0.035		0.21	0.17	0.702	8/18/11 23:12	TPH
Heptane	0.12	0.035		0.48	0.14	0.702	8/18/11 23:12	TPH
Hexachlorobutadiene	ND	0.035		ND	0.37	0.702	8/18/11 23:12	TPH
Hexane	ND	1.4		ND	4.9	0.702	8/18/11 23:12	TPH
2-Hexanone (MBK)	0.077	0.035		0.32	0.14	0.702	8/18/11 23:12	TPH

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: AA-2
Sample ID: 11H0556-01
Sample Matrix: Ambient Air
Sampled: 8/10/2011 18:00

Sample Description/Location: Ambient Air
Sub Description/Location:
Canister ID: 1466
Canister Size: 6 liter
Flow Controller ID: 3001
Sample Type: 8 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -15
Receipt Vacuum(in Hg): -12.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	1.4		ND	3.4	0.702	8/18/11 23:12	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.035		ND	0.13	0.702	8/18/11 23:12	TPH
Methylene Chloride	0.72	0.35		2.5	1.2	0.702	8/18/11 23:12	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.035		ND	0.14	0.702	8/18/11 23:12	TPH
Propene	ND	1.4		ND	2.4	0.702	8/18/11 23:12	TPH
Styrene	0.040	0.035		0.17	0.15	0.702	8/18/11 23:12	TPH
1,1,2,2-Tetrachloroethane	ND	0.035		ND	0.24	0.702	8/18/11 23:12	TPH
Tetrachloroethylene	0.15	0.035		1.0	0.24	0.702	8/18/11 23:12	TPH
Tetrahydrofuran	ND	0.035		ND	0.10	0.702	8/18/11 23:12	TPH
Toluene	0.92	0.035		3.5	0.13	0.702	8/18/11 23:12	TPH
1,2,4-Trichlorobenzene	ND	0.035		ND	0.26	0.702	8/18/11 23:12	TPH
1,1,1-Trichloroethane	ND	0.035		ND	0.19	0.702	8/18/11 23:12	TPH
1,1,2-Trichloroethane	ND	0.035		ND	0.19	0.702	8/18/11 23:12	TPH
Trichloroethylene	ND	0.035		ND	0.19	0.702	8/18/11 23:12	TPH
Trichlorofluoromethane (Freon 11)	0.23	0.035		1.3	0.20	0.702	8/18/11 23:12	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.065	0.035		0.49	0.27	0.702	8/18/11 23:12	TPH
1,2,4-Trimethylbenzene	0.15	0.035		0.73	0.17	0.702	8/18/11 23:12	TPH
1,3,5-Trimethylbenzene	0.044	0.035		0.21	0.17	0.702	8/18/11 23:12	TPH
Vinyl Acetate	ND	0.035		ND	0.12	0.702	8/18/11 23:12	TPH
Vinyl Chloride	ND	0.035		ND	0.090	0.702	8/18/11 23:12	TPH
m&p-Xylene	0.44	0.070		1.9	0.30	0.702	8/18/11 23:12	TPH
o-Xylene	0.16	0.035		0.71	0.15	0.702	8/18/11 23:12	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	100	70-130	8/18/11 23:12

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-12
Sample ID: 11H0556-02
Sample Matrix: Soil Gas
Sampled: 8/10/2011 12:05

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1063
Canister Size: 6 liter
Flow Controller ID: 3350
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -6.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	ND	40		ND	95	20	8/18/11 23:51	TPH
Benzene	ND	1.0		ND	3.2	20	8/18/11 23:51	TPH
Benzyl chloride	ND	1.0		ND	5.2	20	8/18/11 23:51	TPH
Bromodichloromethane	ND	1.0		ND	6.7	20	8/18/11 23:51	TPH
Bromoform	ND	1.0		ND	10	20	8/18/11 23:51	TPH
Bromomethane	ND	1.0		ND	3.9	20	8/18/11 23:51	TPH
1,3-Butadiene	ND	1.0		ND	2.2	20	8/18/11 23:51	TPH
2-Butanone (MEK)	ND	40		ND	120	20	8/18/11 23:51	TPH
Carbon Disulfide	ND	10		ND	31	20	8/18/11 23:51	TPH
Carbon Tetrachloride	ND	1.0		ND	6.3	20	8/18/11 23:51	TPH
Chlorobenzene	ND	1.0		ND	4.6	20	8/18/11 23:51	TPH
Chloroethane	ND	1.0		ND	2.6	20	8/18/11 23:51	TPH
Chloroform	ND	1.0		ND	4.9	20	8/18/11 23:51	TPH
Chloromethane	ND	1.0		ND	2.1	20	8/18/11 23:51	TPH
Cyclohexane	ND	1.0		ND	3.4	20	8/18/11 23:51	TPH
Dibromochloromethane	ND	1.0		ND	8.5	20	8/18/11 23:51	TPH
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	8/18/11 23:51	TPH
1,2-Dichlorobenzene	ND	1.0		ND	6.0	20	8/18/11 23:51	TPH
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	8/18/11 23:51	TPH
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	8/18/11 23:51	TPH
Dichlorodifluoromethane (Freon 12)	ND	1.0		ND	4.9	20	8/18/11 23:51	TPH
1,1-Dichloroethane	ND	1.0		ND	4.0	20	8/18/11 23:51	TPH
1,2-Dichloroethane	ND	1.0		ND	4.0	20	8/18/11 23:51	TPH
1,1-Dichloroethylene	ND	1.0		ND	4.0	20	8/18/11 23:51	TPH
cis-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/18/11 23:51	TPH
trans-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/18/11 23:51	TPH
1,2-Dichloropropane	ND	1.0		ND	4.6	20	8/18/11 23:51	TPH
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/18/11 23:51	TPH
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/18/11 23:51	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	8/18/11 23:51	TPH
Ethanol	ND	40		ND	75	20	8/18/11 23:51	TPH
Ethyl Acetate	ND	1.0		ND	3.6	20	8/18/11 23:51	TPH
Ethylbenzene	ND	1.0		ND	4.3	20	8/18/11 23:51	TPH
4-Ethyltoluene	ND	1.0		ND	4.9	20	8/18/11 23:51	TPH
Heptane	ND	1.0		ND	4.1	20	8/18/11 23:51	TPH
Hexachlorobutadiene	ND	1.0		ND	11	20	8/18/11 23:51	TPH
Hexane	ND	40		ND	140	20	8/18/11 23:51	TPH
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	8/18/11 23:51	TPH

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-12
Sample ID: 11H0556-02
Sample Matrix: Soil Gas
Sampled: 8/10/2011 12:05

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1063
Canister Size: 6 liter
Flow Controller ID: 3350
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -6.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	40		ND	98	20	8/18/11 23:51	TPH
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6	20	8/18/11 23:51	TPH
Methylene Chloride	ND	10		ND	35	20	8/18/11 23:51	TPH
4-Methyl-2-pentanone (MIBK)	ND	1.0		ND	4.1	20	8/18/11 23:51	TPH
Propene	ND	40		ND	69	20	8/18/11 23:51	TPH
Styrene	ND	1.0		ND	4.3	20	8/18/11 23:51	TPH
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	8/18/11 23:51	TPH
Tetrachloroethylene	58	1.0		400	6.8	20	8/18/11 23:51	TPH
Tetrahydrofuran	ND	1.0		ND	2.9	20	8/18/11 23:51	TPH
Toluene	3.1	1.0		12	3.8	20	8/18/11 23:51	TPH
1,2,4-Trichlorobenzene	ND	1.0		ND	7.4	20	8/18/11 23:51	TPH
1,1,1-Trichloroethane	ND	1.0		ND	5.5	20	8/18/11 23:51	TPH
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	8/18/11 23:51	TPH
Trichloroethylene	ND	1.0		ND	5.4	20	8/18/11 23:51	TPH
Trichlorofluoromethane (Freon 11)	1.0	1.0		5.6	5.6	20	8/18/11 23:51	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0		ND	7.7	20	8/18/11 23:51	TPH
1,2,4-Trimethylbenzene	2.2	1.0		11	4.9	20	8/18/11 23:51	TPH
1,3,5-Trimethylbenzene	ND	1.0		ND	4.9	20	8/18/11 23:51	TPH
Vinyl Acetate	ND	1.0		ND	3.5	20	8/18/11 23:51	TPH
Vinyl Chloride	ND	1.0		ND	2.6	20	8/18/11 23:51	TPH
m&p-Xylene	3.5	2.0		15	8.7	20	8/18/11 23:51	TPH
o-Xylene	1.1	1.0		4.7	4.3	20	8/18/11 23:51	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	100	70-130	8/18/11 23:51

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-13
Sample ID: 11H0556-03
Sample Matrix: Soil Gas
Sampled: 8/10/2011 12:30

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1192
Canister Size: 6 liter
Flow Controller ID: 3291
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	ND	40		ND	95	20	8/19/11 0:31	TPH
Benzene	ND	1.0		ND	3.2	20	8/19/11 0:31	TPH
Benzyl chloride	ND	1.0		ND	5.2	20	8/19/11 0:31	TPH
Bromodichloromethane	ND	1.0		ND	6.7	20	8/19/11 0:31	TPH
Bromoform	ND	1.0		ND	10	20	8/19/11 0:31	TPH
Bromomethane	ND	1.0		ND	3.9	20	8/19/11 0:31	TPH
1,3-Butadiene	ND	1.0		ND	2.2	20	8/19/11 0:31	TPH
2-Butanone (MEK)	ND	40		ND	120	20	8/19/11 0:31	TPH
Carbon Disulfide	ND	10		ND	31	20	8/19/11 0:31	TPH
Carbon Tetrachloride	ND	1.0		ND	6.3	20	8/19/11 0:31	TPH
Chlorobenzene	ND	1.0		ND	4.6	20	8/19/11 0:31	TPH
Chloroethane	ND	1.0		ND	2.6	20	8/19/11 0:31	TPH
Chloroform	ND	1.0		ND	4.9	20	8/19/11 0:31	TPH
Chloromethane	ND	1.0		ND	2.1	20	8/19/11 0:31	TPH
Cyclohexane	ND	1.0		ND	3.4	20	8/19/11 0:31	TPH
Dibromochloromethane	ND	1.0		ND	8.5	20	8/19/11 0:31	TPH
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	8/19/11 0:31	TPH
1,2-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 0:31	TPH
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 0:31	TPH
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 0:31	TPH
Dichlorodifluoromethane (Freon 12)	ND	1.0		ND	4.9	20	8/19/11 0:31	TPH
1,1-Dichloroethane	ND	1.0		ND	4.0	20	8/19/11 0:31	TPH
1,2-Dichloroethane	ND	1.0		ND	4.0	20	8/19/11 0:31	TPH
1,1-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 0:31	TPH
cis-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 0:31	TPH
trans-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 0:31	TPH
1,2-Dichloropropane	ND	1.0		ND	4.6	20	8/19/11 0:31	TPH
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/19/11 0:31	TPH
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/19/11 0:31	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	8/19/11 0:31	TPH
Ethanol	ND	40		ND	75	20	8/19/11 0:31	TPH
Ethyl Acetate	ND	1.0		ND	3.6	20	8/19/11 0:31	TPH
Ethylbenzene	1.3	1.0		5.5	4.3	20	8/19/11 0:31	TPH
4-Ethyltoluene	1.1	1.0		5.4	4.9	20	8/19/11 0:31	TPH
Heptane	ND	1.0		ND	4.1	20	8/19/11 0:31	TPH
Hexachlorobutadiene	ND	1.0		ND	11	20	8/19/11 0:31	TPH
Hexane	ND	40		ND	140	20	8/19/11 0:31	TPH
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	8/19/11 0:31	TPH

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-13
Sample ID: 11H0556-03
Sample Matrix: Soil Gas
Sampled: 8/10/2011 12:30

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1192
Canister Size: 6 liter
Flow Controller ID: 3291
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	40		ND	98	20	8/19/11 0:31	TPH
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6	20	8/19/11 0:31	TPH
Methylene Chloride	ND	10		ND	35	20	8/19/11 0:31	TPH
4-Methyl-2-pentanone (MIBK)	ND	1.0		ND	4.1	20	8/19/11 0:31	TPH
Propene	ND	40		ND	69	20	8/19/11 0:31	TPH
Styrene	ND	1.0		ND	4.3	20	8/19/11 0:31	TPH
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	8/19/11 0:31	TPH
Tetrachloroethylene	7.4	1.0		50	6.8	20	8/19/11 0:31	TPH
Tetrahydrofuran	ND	1.0		ND	2.9	20	8/19/11 0:31	TPH
Toluene	3.8	1.0		14	3.8	20	8/19/11 0:31	TPH
1,2,4-Trichlorobenzene	ND	1.0		ND	7.4	20	8/19/11 0:31	TPH
1,1,1-Trichloroethane	ND	1.0		ND	5.5	20	8/19/11 0:31	TPH
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	8/19/11 0:31	TPH
Trichloroethylene	ND	1.0		ND	5.4	20	8/19/11 0:31	TPH
Trichlorofluoromethane (Freon 11)	ND	1.0		ND	5.6	20	8/19/11 0:31	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0		ND	7.7	20	8/19/11 0:31	TPH
1,2,4-Trimethylbenzene	2.9	1.0		14	4.9	20	8/19/11 0:31	TPH
1,3,5-Trimethylbenzene	ND	1.0		ND	4.9	20	8/19/11 0:31	TPH
Vinyl Acetate	ND	1.0		ND	3.5	20	8/19/11 0:31	TPH
Vinyl Chloride	ND	1.0		ND	2.6	20	8/19/11 0:31	TPH
m&p-Xylene	5.7	2.0		25	8.7	20	8/19/11 0:31	TPH
o-Xylene	1.6	1.0		6.9	4.3	20	8/19/11 0:31	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	8/19/11 0:31

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-A
Sample ID: 11H0556-04
Sample Matrix: Soil Gas
Sampled: 8/10/2011 12:45

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1247
Canister Size: 6 liter
Flow Controller ID: 3032
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -6.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	ND	40		ND	95	20	8/19/11 1:11	TPH
Benzene	ND	1.0		ND	3.2	20	8/19/11 1:11	TPH
Benzyl chloride	ND	1.0		ND	5.2	20	8/19/11 1:11	TPH
Bromodichloromethane	ND	1.0		ND	6.7	20	8/19/11 1:11	TPH
Bromoform	ND	1.0		ND	10	20	8/19/11 1:11	TPH
Bromomethane	ND	1.0		ND	3.9	20	8/19/11 1:11	TPH
1,3-Butadiene	ND	1.0		ND	2.2	20	8/19/11 1:11	TPH
2-Butanone (MEK)	ND	40		ND	120	20	8/19/11 1:11	TPH
Carbon Disulfide	ND	10		ND	31	20	8/19/11 1:11	TPH
Carbon Tetrachloride	ND	1.0		ND	6.3	20	8/19/11 1:11	TPH
Chlorobenzene	ND	1.0		ND	4.6	20	8/19/11 1:11	TPH
Chloroethane	ND	1.0		ND	2.6	20	8/19/11 1:11	TPH
Chloroform	ND	1.0		ND	4.9	20	8/19/11 1:11	TPH
Chloromethane	ND	1.0		ND	2.1	20	8/19/11 1:11	TPH
Cyclohexane	ND	1.0		ND	3.4	20	8/19/11 1:11	TPH
Dibromochloromethane	ND	1.0		ND	8.5	20	8/19/11 1:11	TPH
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	8/19/11 1:11	TPH
1,2-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 1:11	TPH
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 1:11	TPH
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 1:11	TPH
Dichlorodifluoromethane (Freon 12)	ND	1.0		ND	4.9	20	8/19/11 1:11	TPH
1,1-Dichloroethane	ND	1.0		ND	4.0	20	8/19/11 1:11	TPH
1,2-Dichloroethane	ND	1.0		ND	4.0	20	8/19/11 1:11	TPH
1,1-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 1:11	TPH
cis-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 1:11	TPH
trans-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 1:11	TPH
1,2-Dichloropropane	ND	1.0		ND	4.6	20	8/19/11 1:11	TPH
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/19/11 1:11	TPH
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/19/11 1:11	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	8/19/11 1:11	TPH
Ethanol	ND	40		ND	75	20	8/19/11 1:11	TPH
Ethyl Acetate	ND	1.0		ND	3.6	20	8/19/11 1:11	TPH
Ethylbenzene	1.3	1.0		5.7	4.3	20	8/19/11 1:11	TPH
4-Ethyltoluene	ND	1.0		ND	4.9	20	8/19/11 1:11	TPH
Heptane	ND	1.0		ND	4.1	20	8/19/11 1:11	TPH
Hexachlorobutadiene	ND	1.0		ND	11	20	8/19/11 1:11	TPH
Hexane	ND	40		ND	140	20	8/19/11 1:11	TPH
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	8/19/11 1:11	TPH

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-A
Sample ID: 11H0556-04
Sample Matrix: Soil Gas
Sampled: 8/10/2011 12:45

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1247
Canister Size: 6 liter
Flow Controller ID: 3032
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -6.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	40		ND	98	20	8/19/11 1:11	TPH
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6	20	8/19/11 1:11	TPH
Methylene Chloride	ND	10		ND	35	20	8/19/11 1:11	TPH
4-Methyl-2-pentanone (MIBK)	ND	1.0		ND	4.1	20	8/19/11 1:11	TPH
Propene	ND	40		ND	69	20	8/19/11 1:11	TPH
Styrene	ND	1.0		ND	4.3	20	8/19/11 1:11	TPH
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	8/19/11 1:11	TPH
Tetrachloroethylene	7.4	1.0		50	6.8	20	8/19/11 1:11	TPH
Tetrahydrofuran	ND	1.0		ND	2.9	20	8/19/11 1:11	TPH
Toluene	3.8	1.0		14	3.8	20	8/19/11 1:11	TPH
1,2,4-Trichlorobenzene	ND	1.0		ND	7.4	20	8/19/11 1:11	TPH
1,1,1-Trichloroethane	ND	1.0		ND	5.5	20	8/19/11 1:11	TPH
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	8/19/11 1:11	TPH
Trichloroethylene	ND	1.0		ND	5.4	20	8/19/11 1:11	TPH
Trichlorofluoromethane (Freon 11)	ND	1.0		ND	5.6	20	8/19/11 1:11	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0		ND	7.7	20	8/19/11 1:11	TPH
1,2,4-Trimethylbenzene	3.0	1.0		15	4.9	20	8/19/11 1:11	TPH
1,3,5-Trimethylbenzene	ND	1.0		ND	4.9	20	8/19/11 1:11	TPH
Vinyl Acetate	ND	1.0		ND	3.5	20	8/19/11 1:11	TPH
Vinyl Chloride	ND	1.0		ND	2.6	20	8/19/11 1:11	TPH
m&p-Xylene	5.9	2.0		26	8.7	20	8/19/11 1:11	TPH
o-Xylene	1.7	1.0		7.4	4.3	20	8/19/11 1:11	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	104	70-130	8/19/11 1:11

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-14
Sample ID: 11H0556-05
Sample Matrix: Soil Gas
Sampled: 8/10/2011 13:20

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1855
Canister Size: 6 liter
Flow Controller ID: 3184
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	ND	40		ND	95	20	8/19/11 1:51	TPH
Benzene	110	1.0		340	3.2	20	8/19/11 1:51	TPH
Benzyl chloride	ND	1.0		ND	5.2	20	8/19/11 1:51	TPH
Bromodichloromethane	ND	1.0		ND	6.7	20	8/19/11 1:51	TPH
Bromoform	ND	1.0		ND	10	20	8/19/11 1:51	TPH
Bromomethane	ND	1.0		ND	3.9	20	8/19/11 1:51	TPH
1,3-Butadiene	ND	1.0		ND	2.2	20	8/19/11 1:51	TPH
2-Butanone (MEK)	ND	40		ND	120	20	8/19/11 1:51	TPH
Carbon Disulfide	ND	10		ND	31	20	8/19/11 1:51	TPH
Carbon Tetrachloride	ND	1.0		ND	6.3	20	8/19/11 1:51	TPH
Chlorobenzene	ND	1.0		ND	4.6	20	8/19/11 1:51	TPH
Chloroethane	ND	1.0		ND	2.6	20	8/19/11 1:51	TPH
Chloroform	ND	1.0		ND	4.9	20	8/19/11 1:51	TPH
Chloromethane	ND	1.0		ND	2.1	20	8/19/11 1:51	TPH
Cyclohexane	380	1.0		1300	3.4	20	8/19/11 1:51	TPH
Dibromochloromethane	ND	1.0		ND	8.5	20	8/19/11 1:51	TPH
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	8/19/11 1:51	TPH
1,2-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 1:51	TPH
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 1:51	TPH
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 1:51	TPH
Dichlorodifluoromethane (Freon 12)	5.6	1.0		28	4.9	20	8/19/11 1:51	TPH
1,1-Dichloroethane	ND	1.0		ND	4.0	20	8/19/11 1:51	TPH
1,2-Dichloroethane	ND	1.0		ND	4.0	20	8/19/11 1:51	TPH
1,1-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 1:51	TPH
cis-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 1:51	TPH
trans-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 1:51	TPH
1,2-Dichloropropane	ND	1.0		ND	4.6	20	8/19/11 1:51	TPH
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/19/11 1:51	TPH
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/19/11 1:51	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	8/19/11 1:51	TPH
Ethanol	ND	40		ND	75	20	8/19/11 1:51	TPH
Ethyl Acetate	ND	1.0		ND	3.6	20	8/19/11 1:51	TPH
Ethylbenzene	12	1.0		54	4.3	20	8/19/11 1:51	TPH
4-Ethyltoluene	1.8	1.0		8.8	4.9	20	8/19/11 1:51	TPH
Heptane	290	1.0		1200	4.1	20	8/19/11 1:51	TPH
Hexachlorobutadiene	ND	1.0		ND	11	20	8/19/11 1:51	TPH
Hexane	2100	80		7400	280	40	8/22/11 11:38	TPH
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	8/19/11 1:51	TPH

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-14
Sample ID: 11H0556-05
Sample Matrix: Soil Gas
Sampled: 8/10/2011 13:20

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1855
Canister Size: 6 liter
Flow Controller ID: 3184
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	40		ND	98	20	8/19/11 1:51	TPH
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6	20	8/19/11 1:51	TPH
Methylene Chloride	ND	10		ND	35	20	8/19/11 1:51	TPH
4-Methyl-2-pentanone (MIBK)	ND	1.0		ND	4.1	20	8/19/11 1:51	TPH
Propene	ND	40		ND	69	20	8/19/11 1:51	TPH
Styrene	ND	1.0		ND	4.3	20	8/19/11 1:51	TPH
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	8/19/11 1:51	TPH
Tetrachloroethylene	1400	2.0		9400	14	40	8/22/11 11:38	TPH
Tetrahydrofuran	ND	1.0		ND	2.9	20	8/19/11 1:51	TPH
Toluene	190	1.0		720	3.8	20	8/19/11 1:51	TPH
1,2,4-Trichlorobenzene	ND	1.0		ND	7.4	20	8/19/11 1:51	TPH
1,1,1-Trichloroethane	ND	1.0		ND	5.5	20	8/19/11 1:51	TPH
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	8/19/11 1:51	TPH
Trichloroethylene	10	1.0		56	5.4	20	8/19/11 1:51	TPH
Trichlorofluoromethane (Freon 11)	ND	1.0		ND	5.6	20	8/19/11 1:51	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0		ND	7.7	20	8/19/11 1:51	TPH
1,2,4-Trimethylbenzene	3.9	1.0		19	4.9	20	8/19/11 1:51	TPH
1,3,5-Trimethylbenzene	1.1	1.0		5.6	4.9	20	8/19/11 1:51	TPH
Vinyl Acetate	ND	1.0		ND	3.5	20	8/19/11 1:51	TPH
Vinyl Chloride	ND	1.0		ND	2.6	20	8/19/11 1:51	TPH
m&p-Xylene	41	2.0		180	8.7	20	8/19/11 1:51	TPH
o-Xylene	8.1	1.0		35	4.3	20	8/19/11 1:51	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	100	70-130	8/22/11 11:38
4-Bromofluorobenzene (1)	104	70-130	8/19/11 1:51

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-15
Sample ID: 11H0556-06
Sample Matrix: Soil Gas
Sampled: 8/10/2011 13:25

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1497
Canister Size: 6 liter
Flow Controller ID: 3217
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	ND	40		ND	95	20	8/19/11 2:31	TPH
Benzene	5.2	1.0		17	3.2	20	8/19/11 2:31	TPH
Benzyl chloride	ND	1.0		ND	5.2	20	8/19/11 2:31	TPH
Bromodichloromethane	ND	1.0		ND	6.7	20	8/19/11 2:31	TPH
Bromoform	ND	1.0		ND	10	20	8/19/11 2:31	TPH
Bromomethane	ND	1.0		ND	3.9	20	8/19/11 2:31	TPH
1,3-Butadiene	ND	1.0		ND	2.2	20	8/19/11 2:31	TPH
2-Butanone (MEK)	ND	40		ND	120	20	8/19/11 2:31	TPH
Carbon Disulfide	ND	10		ND	31	20	8/19/11 2:31	TPH
Carbon Tetrachloride	ND	1.0		ND	6.3	20	8/19/11 2:31	TPH
Chlorobenzene	ND	1.0		ND	4.6	20	8/19/11 2:31	TPH
Chloroethane	ND	1.0		ND	2.6	20	8/19/11 2:31	TPH
Chloroform	22	1.0		110	4.9	20	8/19/11 2:31	TPH
Chloromethane	ND	1.0		ND	2.1	20	8/19/11 2:31	TPH
Cyclohexane	ND	1.0		ND	3.4	20	8/19/11 2:31	TPH
Dibromochloromethane	ND	1.0		ND	8.5	20	8/19/11 2:31	TPH
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	8/19/11 2:31	TPH
1,2-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 2:31	TPH
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 2:31	TPH
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 2:31	TPH
Dichlorodifluoromethane (Freon 12)	ND	1.0		ND	4.9	20	8/19/11 2:31	TPH
1,1-Dichloroethane	ND	1.0		ND	4.0	20	8/19/11 2:31	TPH
1,2-Dichloroethane	ND	1.0		ND	4.0	20	8/19/11 2:31	TPH
1,1-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 2:31	TPH
cis-1,2-Dichloroethylene	330	1.0		1300	4.0	20	8/19/11 2:31	TPH
trans-1,2-Dichloroethylene	8.5	1.0		34	4.0	20	8/19/11 2:31	TPH
1,2-Dichloropropane	ND	1.0		ND	4.6	20	8/19/11 2:31	TPH
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/19/11 2:31	TPH
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/19/11 2:31	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	8/19/11 2:31	TPH
Ethanol	ND	40		ND	75	20	8/19/11 2:31	TPH
Ethyl Acetate	ND	1.0		ND	3.6	20	8/19/11 2:31	TPH
Ethylbenzene	ND	1.0		ND	4.3	20	8/19/11 2:31	TPH
4-Ethyltoluene	ND	1.0		ND	4.9	20	8/19/11 2:31	TPH
Heptane	ND	1.0		ND	4.1	20	8/19/11 2:31	TPH
Hexachlorobutadiene	ND	1.0		ND	11	20	8/19/11 2:31	TPH
Hexane	ND	40		ND	140	20	8/19/11 2:31	TPH
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	8/19/11 2:31	TPH

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-15
Sample ID: 11H0556-06
Sample Matrix: Soil Gas
Sampled: 8/10/2011 13:25

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1497
Canister Size: 6 liter
Flow Controller ID: 3217
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -6
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	40		ND	98	20	8/19/11 2:31	TPH
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6	20	8/19/11 2:31	TPH
Methylene Chloride	ND	10		ND	35	20	8/19/11 2:31	TPH
4-Methyl-2-pentanone (MIBK)	ND	1.0		ND	4.1	20	8/19/11 2:31	TPH
Propene	ND	40		ND	69	20	8/19/11 2:31	TPH
Styrene	ND	1.0		ND	4.3	20	8/19/11 2:31	TPH
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	8/19/11 2:31	TPH
Tetrachloroethylene	46000	100		310000	680	2000	8/22/11 16:12	TPH
Tetrahydrofuran	ND	1.0		ND	2.9	20	8/19/11 2:31	TPH
Toluene	1.0	1.0		3.9	3.8	20	8/19/11 2:31	TPH
1,2,4-Trichlorobenzene	ND	1.0		ND	7.4	20	8/19/11 2:31	TPH
1,1,1-Trichloroethane	ND	1.0		ND	5.5	20	8/19/11 2:31	TPH
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	8/19/11 2:31	TPH
Trichloroethylene	1300	100		7000	540	2000	8/22/11 16:12	TPH
Trichlorofluoromethane (Freon 11)	ND	1.0		ND	5.6	20	8/19/11 2:31	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0		ND	7.7	20	8/19/11 2:31	TPH
1,2,4-Trimethylbenzene	4.0	1.0		19	4.9	20	8/19/11 2:31	TPH
1,3,5-Trimethylbenzene	1.2	1.0		6.1	4.9	20	8/19/11 2:31	TPH
Vinyl Acetate	ND	1.0		ND	3.5	20	8/19/11 2:31	TPH
Vinyl Chloride	ND	1.0		ND	2.6	20	8/19/11 2:31	TPH
m&p-Xylene	ND	2.0		ND	8.7	20	8/19/11 2:31	TPH
o-Xylene	1.1	1.0		4.7	4.3	20	8/19/11 2:31	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	112	70-130	8/19/11 2:31
4-Bromofluorobenzene (1)	100	70-130	8/22/11 16:12

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-16
Sample ID: 11H0556-07
Sample Matrix: Soil Gas
Sampled: 8/10/2011 14:55

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1058
Canister Size: 6 liter
Flow Controller ID: 3101
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	62	40		150	95	20	8/19/11 3:19	TPH
Benzene	44	1.0		140	3.2	20	8/19/11 3:19	TPH
Benzyl chloride	ND	1.0		ND	5.2	20	8/19/11 3:19	TPH
Bromodichloromethane	ND	1.0		ND	6.7	20	8/19/11 3:19	TPH
Bromoform	ND	1.0		ND	10	20	8/19/11 3:19	TPH
Bromomethane	ND	1.0		ND	3.9	20	8/19/11 3:19	TPH
1,3-Butadiene	ND	1.0		ND	2.2	20	8/19/11 3:19	TPH
2-Butanone (MEK)	ND	40		ND	120	20	8/19/11 3:19	TPH
Carbon Disulfide	14	10		42	31	20	8/19/11 3:19	TPH
Carbon Tetrachloride	ND	1.0		ND	6.3	20	8/19/11 3:19	TPH
Chlorobenzene	ND	1.0		ND	4.6	20	8/19/11 3:19	TPH
Chloroethane	ND	1.0		ND	2.6	20	8/19/11 3:19	TPH
Chloroform	ND	1.0		ND	4.9	20	8/19/11 3:19	TPH
Chloromethane	1.4	1.0		2.9	2.1	20	8/19/11 3:19	TPH
Cyclohexane	11	1.0		37	3.4	20	8/19/11 3:19	TPH
Dibromochloromethane	ND	1.0		ND	8.5	20	8/19/11 3:19	TPH
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	8/19/11 3:19	TPH
1,2-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 3:19	TPH
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 3:19	TPH
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 3:19	TPH
Dichlorodifluoromethane (Freon 12)	ND	1.0		ND	4.9	20	8/19/11 3:19	TPH
1,1-Dichloroethane	ND	1.0		ND	4.0	20	8/19/11 3:19	TPH
1,2-Dichloroethane	ND	1.0		ND	4.0	20	8/19/11 3:19	TPH
1,1-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 3:19	TPH
cis-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 3:19	TPH
trans-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 3:19	TPH
1,2-Dichloropropane	ND	1.0		ND	4.6	20	8/19/11 3:19	TPH
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/19/11 3:19	TPH
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/19/11 3:19	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	8/19/11 3:19	TPH
Ethanol	ND	40		ND	75	20	8/19/11 3:19	TPH
Ethyl Acetate	ND	1.0		ND	3.6	20	8/19/11 3:19	TPH
Ethylbenzene	2.8	1.0		12	4.3	20	8/19/11 3:19	TPH
4-Ethyltoluene	1.0	1.0		5.1	4.9	20	8/19/11 3:19	TPH
Heptane	12	1.0		50	4.1	20	8/19/11 3:19	TPH
Hexachlorobutadiene	ND	1.0		ND	11	20	8/19/11 3:19	TPH
Hexane	41	40		150	140	20	8/19/11 3:19	TPH
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	8/19/11 3:19	TPH

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-16
Sample ID: 11H0556-07
Sample Matrix: Soil Gas
Sampled: 8/10/2011 14:55

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1058
Canister Size: 6 liter
Flow Controller ID: 3101
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	40		ND	98	20	8/19/11 3:19	TPH
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6	20	8/19/11 3:19	TPH
Methylene Chloride	ND	10		ND	35	20	8/19/11 3:19	TPH
4-Methyl-2-pentanone (MIBK)	ND	1.0		ND	4.1	20	8/19/11 3:19	TPH
Propene	ND	40		ND	69	20	8/19/11 3:19	TPH
Styrene	ND	1.0		ND	4.3	20	8/19/11 3:19	TPH
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	8/19/11 3:19	TPH
Tetrachloroethylene	28	1.0		190	6.8	20	8/19/11 3:19	TPH
Tetrahydrofuran	ND	1.0		ND	2.9	20	8/19/11 3:19	TPH
Toluene	26	1.0		99	3.8	20	8/19/11 3:19	TPH
1,2,4-Trichlorobenzene	ND	1.0		ND	7.4	20	8/19/11 3:19	TPH
1,1,1-Trichloroethane	ND	1.0		ND	5.5	20	8/19/11 3:19	TPH
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	8/19/11 3:19	TPH
Trichloroethylene	ND	1.0		ND	5.4	20	8/19/11 3:19	TPH
Trichlorofluoromethane (Freon 11)	ND	1.0		ND	5.6	20	8/19/11 3:19	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0		ND	7.7	20	8/19/11 3:19	TPH
1,2,4-Trimethylbenzene	3.2	1.0		16	4.9	20	8/19/11 3:19	TPH
1,3,5-Trimethylbenzene	ND	1.0		ND	4.9	20	8/19/11 3:19	TPH
Vinyl Acetate	ND	1.0		ND	3.5	20	8/19/11 3:19	TPH
Vinyl Chloride	ND	1.0		ND	2.6	20	8/19/11 3:19	TPH
m&p-Xylene	8.7	2.0		38	8.7	20	8/19/11 3:19	TPH
o-Xylene	3.2	1.0		14	4.3	20	8/19/11 3:19	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	104	70-130	8/19/11 3:19

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-17
Sample ID: 11H0556-08
Sample Matrix: Soil Gas
Sampled: 8/10/2011 15:15

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1804
Canister Size: 6 liter
Flow Controller ID: 3050
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -7.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	ND	40		ND	95	20	8/19/11 4:06	TPH
Benzene	ND	1.0		ND	3.2	20	8/19/11 4:06	TPH
Benzyl chloride	ND	1.0		ND	5.2	20	8/19/11 4:06	TPH
Bromodichloromethane	ND	1.0		ND	6.7	20	8/19/11 4:06	TPH
Bromoform	ND	1.0		ND	10	20	8/19/11 4:06	TPH
Bromomethane	ND	1.0		ND	3.9	20	8/19/11 4:06	TPH
1,3-Butadiene	ND	1.0		ND	2.2	20	8/19/11 4:06	TPH
2-Butanone (MEK)	ND	40		ND	120	20	8/19/11 4:06	TPH
Carbon Disulfide	ND	10		ND	31	20	8/19/11 4:06	TPH
Carbon Tetrachloride	ND	1.0		ND	6.3	20	8/19/11 4:06	TPH
Chlorobenzene	ND	1.0		ND	4.6	20	8/19/11 4:06	TPH
Chloroethane	ND	1.0		ND	2.6	20	8/19/11 4:06	TPH
Chloroform	4.2	1.0		21	4.9	20	8/19/11 4:06	TPH
Chloromethane	ND	1.0		ND	2.1	20	8/19/11 4:06	TPH
Cyclohexane	ND	1.0		ND	3.4	20	8/19/11 4:06	TPH
Dibromochloromethane	ND	1.0		ND	8.5	20	8/19/11 4:06	TPH
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	8/19/11 4:06	TPH
1,2-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 4:06	TPH
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 4:06	TPH
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	8/19/11 4:06	TPH
Dichlorodifluoromethane (Freon 12)	ND	1.0		ND	4.9	20	8/19/11 4:06	TPH
1,1-Dichloroethane	ND	1.0		ND	4.0	20	8/19/11 4:06	TPH
1,2-Dichloroethane	ND	1.0		ND	4.0	20	8/19/11 4:06	TPH
1,1-Dichloroethylene	ND	1.0		ND	4.0	20	8/19/11 4:06	TPH
cis-1,2-Dichloroethylene	260	1.0		1000	4.0	20	8/19/11 4:06	TPH
trans-1,2-Dichloroethylene	2.9	1.0		11	4.0	20	8/19/11 4:06	TPH
1,2-Dichloropropane	ND	1.0		ND	4.6	20	8/19/11 4:06	TPH
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/19/11 4:06	TPH
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/19/11 4:06	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	8/19/11 4:06	TPH
Ethanol	ND	40		ND	75	20	8/19/11 4:06	TPH
Ethyl Acetate	ND	1.0		ND	3.6	20	8/19/11 4:06	TPH
Ethylbenzene	ND	1.0		ND	4.3	20	8/19/11 4:06	TPH
4-Ethyltoluene	ND	1.0		ND	4.9	20	8/19/11 4:06	TPH
Heptane	ND	1.0		ND	4.1	20	8/19/11 4:06	TPH
Hexachlorobutadiene	ND	1.0		ND	11	20	8/19/11 4:06	TPH
Hexane	ND	40		ND	140	20	8/19/11 4:06	TPH
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	8/19/11 4:06	TPH

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-17
Sample ID: 11H0556-08
Sample Matrix: Soil Gas
Sampled: 8/10/2011 15:15

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1804
Canister Size: 6 liter
Flow Controller ID: 3050
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -7.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	40		ND	98	20	8/19/11 4:06	TPH
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6	20	8/19/11 4:06	TPH
Methylene Chloride	ND	10		ND	35	20	8/19/11 4:06	TPH
4-Methyl-2-pentanone (MIBK)	ND	1.0		ND	4.1	20	8/19/11 4:06	TPH
Propene	ND	40		ND	69	20	8/19/11 4:06	TPH
Styrene	ND	1.0		ND	4.3	20	8/19/11 4:06	TPH
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	8/19/11 4:06	TPH
Tetrachloroethylene	8300	20		56000	140	400	8/22/11 12:57	TPH
Tetrahydrofuran	ND	1.0		ND	2.9	20	8/19/11 4:06	TPH
Toluene	ND	1.0		ND	3.8	20	8/19/11 4:06	TPH
1,2,4-Trichlorobenzene	ND	1.0		ND	7.4	20	8/19/11 4:06	TPH
1,1,1-Trichloroethane	ND	1.0		ND	5.5	20	8/19/11 4:06	TPH
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	8/19/11 4:06	TPH
Trichloroethylene	180	1.0		950	5.4	20	8/19/11 4:06	TPH
Trichlorofluoromethane (Freon 11)	ND	1.0		ND	5.6	20	8/19/11 4:06	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0		ND	7.7	20	8/19/11 4:06	TPH
1,2,4-Trimethylbenzene	ND	1.0		ND	4.9	20	8/19/11 4:06	TPH
1,3,5-Trimethylbenzene	ND	1.0		ND	4.9	20	8/19/11 4:06	TPH
Vinyl Acetate	ND	1.0		ND	3.5	20	8/19/11 4:06	TPH
Vinyl Chloride	ND	1.0		ND	2.6	20	8/19/11 4:06	TPH
m&p-Xylene	ND	2.0		ND	8.7	20	8/19/11 4:06	TPH
o-Xylene	ND	1.0		ND	4.3	20	8/19/11 4:06	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	102	70-130	8/22/11 12:57
4-Bromofluorobenzene (1)	105	70-130	8/19/11 4:06

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-18
Sample ID: 11H0556-09
Sample Matrix: Soil Gas
Sampled: 8/10/2011 15:25

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1504
Canister Size: 6 liter
Flow Controller ID: 3367
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -9.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	ND	400		ND	950	200	8/22/11 14:17	TPH
Benzene	24	10		77	32	200	8/22/11 14:17	TPH
Benzyl chloride	ND	10		ND	52	200	8/22/11 14:17	TPH
Bromodichloromethane	ND	10		ND	67	200	8/22/11 14:17	TPH
Bromoform	ND	10		ND	100	200	8/22/11 14:17	TPH
Bromomethane	ND	10		ND	39	200	8/22/11 14:17	TPH
1,3-Butadiene	ND	10		ND	22	200	8/22/11 14:17	TPH
2-Butanone (MEK)	ND	400		ND	1200	200	8/22/11 14:17	TPH
Carbon Disulfide	ND	100		ND	310	200	8/22/11 14:17	TPH
Carbon Tetrachloride	ND	10		ND	63	200	8/22/11 14:17	TPH
Chlorobenzene	ND	10		ND	46	200	8/22/11 14:17	TPH
Chloroethane	ND	10		ND	26	200	8/22/11 14:17	TPH
Chloroform	12	10		59	49	200	8/22/11 14:17	TPH
Chloromethane	ND	10		ND	21	200	8/22/11 14:17	TPH
Cyclohexane	810	10		2800	34	200	8/22/11 14:17	TPH
Dibromochloromethane	ND	10		ND	85	200	8/22/11 14:17	TPH
1,2-Dibromoethane (EDB)	ND	10		ND	77	200	8/22/11 14:17	TPH
1,2-Dichlorobenzene	ND	10		ND	60	200	8/22/11 14:17	TPH
1,3-Dichlorobenzene	ND	10		ND	60	200	8/22/11 14:17	TPH
1,4-Dichlorobenzene	ND	10		ND	60	200	8/22/11 14:17	TPH
Dichlorodifluoromethane (Freon 12)	ND	10		ND	49	200	8/22/11 14:17	TPH
1,1-Dichloroethane	10	10		40	40	200	8/22/11 14:17	TPH
1,2-Dichloroethane	39	10		160	40	200	8/22/11 14:17	TPH
1,1-Dichloroethylene	ND	10		ND	40	200	8/22/11 14:17	TPH
cis-1,2-Dichloroethylene	180	10		730	40	200	8/22/11 14:17	TPH
trans-1,2-Dichloroethylene	ND	10		ND	40	200	8/22/11 14:17	TPH
1,2-Dichloropropane	ND	10		ND	46	200	8/22/11 14:17	TPH
cis-1,3-Dichloropropene	ND	10		ND	45	200	8/22/11 14:17	TPH
trans-1,3-Dichloropropene	ND	10		ND	45	200	8/22/11 14:17	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	10		ND	70	200	8/22/11 14:17	TPH
Ethanol	ND	400		ND	750	200	8/22/11 14:17	TPH
Ethyl Acetate	ND	10		ND	36	200	8/22/11 14:17	TPH
Ethylbenzene	130	10		580	43	200	8/22/11 14:17	TPH
4-Ethyltoluene	23	10		110	49	200	8/22/11 14:17	TPH
Heptane	65	10		270	41	200	8/22/11 14:17	TPH
Hexachlorobutadiene	ND	10		ND	110	200	8/22/11 14:17	TPH
Hexane	ND	400		ND	1400	200	8/22/11 14:17	TPH
2-Hexanone (MBK)	ND	10		ND	41	200	8/22/11 14:17	TPH

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-18
Sample ID: 11H0556-09
Sample Matrix: Soil Gas
Sampled: 8/10/2011 15:25

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1504
Canister Size: 6 liter
Flow Controller ID: 3367
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -7
Receipt Vacuum(in Hg): -9.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	400		ND	980	200	8/22/11 14:17	TPH
Methyl tert-Butyl Ether (MTBE)	ND	10		ND	36	200	8/22/11 14:17	TPH
Methylene Chloride	110	100		380	350	200	8/22/11 14:17	TPH
4-Methyl-2-pentanone (MIBK)	ND	10		ND	41	200	8/22/11 14:17	TPH
Propene	ND	400		ND	690	200	8/22/11 14:17	TPH
Styrene	180	10		750	43	200	8/22/11 14:17	TPH
1,1,2,2-Tetrachloroethane	ND	10		ND	69	200	8/22/11 14:17	TPH
Tetrachloroethylene	240	10		1600	68	200	8/22/11 14:17	TPH
Tetrahydrofuran	ND	10		ND	29	200	8/22/11 14:17	TPH
Toluene	160	10		620	38	200	8/22/11 14:17	TPH
1,2,4-Trichlorobenzene	ND	10		ND	74	200	8/22/11 14:17	TPH
1,1,1-Trichloroethane	42	10		230	55	200	8/22/11 14:17	TPH
1,1,2-Trichloroethane	ND	10		ND	55	200	8/22/11 14:17	TPH
Trichloroethylene	220	10		1200	54	200	8/22/11 14:17	TPH
Trichlorofluoromethane (Freon 11)	ND	10		ND	56	200	8/22/11 14:17	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10		ND	77	200	8/22/11 14:17	TPH
1,2,4-Trimethylbenzene	75	10		370	49	200	8/22/11 14:17	TPH
1,3,5-Trimethylbenzene	23	10		120	49	200	8/22/11 14:17	TPH
Vinyl Acetate	ND	10		ND	35	200	8/22/11 14:17	TPH
Vinyl Chloride	54	10		140	26	200	8/22/11 14:17	TPH
m&p-Xylene	150	20		660	87	200	8/22/11 14:17	TPH
o-Xylene	31	10		140	43	200	8/22/11 14:17	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	105	70-130	8/22/11 14:17

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-19
Sample ID: 11H0556-10
Sample Matrix: Soil Gas
Sampled: 8/10/2011 16:50

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1862
Canister Size: 6 liter
Flow Controller ID: 3202
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -2.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	760	40		1800	95	20	8/22/11 10:22	TPH
Benzene	16	1.0		50	3.2	20	8/22/11 10:22	TPH
Benzyl chloride	ND	1.0		ND	5.2	20	8/22/11 10:22	TPH
Bromodichloromethane	1.7	1.0		11	6.7	20	8/22/11 10:22	TPH
Bromoform	ND	1.0		ND	10	20	8/22/11 10:22	TPH
Bromomethane	ND	1.0		ND	3.9	20	8/22/11 10:22	TPH
1,3-Butadiene	ND	1.0		ND	2.2	20	8/22/11 10:22	TPH
2-Butanone (MEK)	ND	40		ND	120	20	8/22/11 10:22	TPH
Carbon Disulfide	ND	10		ND	31	20	8/22/11 10:22	TPH
Carbon Tetrachloride	ND	1.0		ND	6.3	20	8/22/11 10:22	TPH
Chlorobenzene	ND	1.0		ND	4.6	20	8/22/11 10:22	TPH
Chloroethane	ND	1.0		ND	2.6	20	8/22/11 10:22	TPH
Chloroform	6.3	1.0		31	4.9	20	8/22/11 10:22	TPH
Chloromethane	ND	1.0		ND	2.1	20	8/22/11 10:22	TPH
Cyclohexane	ND	1.0		ND	3.4	20	8/22/11 10:22	TPH
Dibromochloromethane	ND	1.0		ND	8.5	20	8/22/11 10:22	TPH
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	8/22/11 10:22	TPH
1,2-Dichlorobenzene	ND	1.0		ND	6.0	20	8/22/11 10:22	TPH
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	8/22/11 10:22	TPH
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	8/22/11 10:22	TPH
Dichlorodifluoromethane (Freon 12)	34	1.0		170	4.9	20	8/22/11 10:22	TPH
1,1-Dichloroethane	ND	1.0		ND	4.0	20	8/22/11 10:22	TPH
1,2-Dichloroethane	ND	1.0		ND	4.0	20	8/22/11 10:22	TPH
1,1-Dichloroethylene	ND	1.0		ND	4.0	20	8/22/11 10:22	TPH
cis-1,2-Dichloroethylene	33	1.0		130	4.0	20	8/22/11 10:22	TPH
trans-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/22/11 10:22	TPH
1,2-Dichloropropane	ND	1.0		ND	4.6	20	8/22/11 10:22	TPH
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/22/11 10:22	TPH
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/22/11 10:22	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	8/22/11 10:22	TPH
Ethanol	ND	40		ND	75	20	8/22/11 10:22	TPH
Ethyl Acetate	ND	1.0		ND	3.6	20	8/22/11 10:22	TPH
Ethylbenzene	5.2	1.0		23	4.3	20	8/22/11 10:22	TPH
4-Ethyltoluene	2.1	1.0		10	4.9	20	8/22/11 10:22	TPH
Heptane	2.4	1.0		9.8	4.1	20	8/22/11 10:22	TPH
Hexachlorobutadiene	ND	1.0		ND	11	20	8/22/11 10:22	TPH
Hexane	ND	40		ND	140	20	8/22/11 10:22	TPH
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	8/22/11 10:22	TPH

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-19
Sample ID: 11H0556-10
Sample Matrix: Soil Gas
Sampled: 8/10/2011 16:50

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1862
Canister Size: 6 liter
Flow Controller ID: 3202
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -4
Receipt Vacuum(in Hg): -2.5
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	40		ND	98	20	8/22/11 10:22	TPH
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6	20	8/22/11 10:22	TPH
Methylene Chloride	ND	10		ND	35	20	8/22/11 10:22	TPH
4-Methyl-2-pentanone (MIBK)	ND	1.0		ND	4.1	20	8/22/11 10:22	TPH
Propene	ND	40		ND	69	20	8/22/11 10:22	TPH
Styrene	ND	1.0		ND	4.3	20	8/22/11 10:22	TPH
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	8/22/11 10:22	TPH
Tetrachloroethylene	2900	20		20000	140	400	8/22/11 13:36	TPH
Tetrahydrofuran	ND	1.0		ND	2.9	20	8/22/11 10:22	TPH
Toluene	39	1.0		150	3.8	20	8/22/11 10:22	TPH
1,2,4-Trichlorobenzene	ND	1.0		ND	7.4	20	8/22/11 10:22	TPH
1,1,1-Trichloroethane	ND	1.0		ND	5.5	20	8/22/11 10:22	TPH
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	8/22/11 10:22	TPH
Trichloroethylene	130	1.0		690	5.4	20	8/22/11 10:22	TPH
Trichlorofluoromethane (Freon 11)	2.7	1.0		15	5.6	20	8/22/11 10:22	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0		ND	7.7	20	8/22/11 10:22	TPH
1,2,4-Trimethylbenzene	3.6	1.0		18	4.9	20	8/22/11 10:22	TPH
1,3,5-Trimethylbenzene	ND	1.0		ND	4.9	20	8/22/11 10:22	TPH
Vinyl Acetate	ND	1.0		ND	3.5	20	8/22/11 10:22	TPH
Vinyl Chloride	ND	1.0		ND	2.6	20	8/22/11 10:22	TPH
m&p-Xylene	15	2.0		66	8.7	20	8/22/11 10:22	TPH
o-Xylene	8.6	1.0		37	4.3	20	8/22/11 10:22	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	8/22/11 13:36
4-Bromofluorobenzene (1)	101	70-130	8/22/11 10:22

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-20
Sample ID: 11H0556-11
Sample Matrix: Soil Gas
Sampled: 8/10/2011 17:50

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1823
Canister Size: 6 liter
Flow Controller ID: 3042
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	69	40		160	95	20	8/22/11 11:00	TPH
Benzene	1.8	1.0		5.6	3.2	20	8/22/11 11:00	TPH
Benzyl chloride	ND	1.0		ND	5.2	20	8/22/11 11:00	TPH
Bromodichloromethane	ND	1.0		ND	6.7	20	8/22/11 11:00	TPH
Bromoform	ND	1.0		ND	10	20	8/22/11 11:00	TPH
Bromomethane	ND	1.0		ND	3.9	20	8/22/11 11:00	TPH
1,3-Butadiene	ND	1.0		ND	2.2	20	8/22/11 11:00	TPH
2-Butanone (MEK)	ND	40		ND	120	20	8/22/11 11:00	TPH
Carbon Disulfide	ND	10		ND	31	20	8/22/11 11:00	TPH
Carbon Tetrachloride	ND	1.0		ND	6.3	20	8/22/11 11:00	TPH
Chlorobenzene	ND	1.0		ND	4.6	20	8/22/11 11:00	TPH
Chloroethane	ND	1.0		ND	2.6	20	8/22/11 11:00	TPH
Chloroform	ND	1.0		ND	4.9	20	8/22/11 11:00	TPH
Chloromethane	ND	1.0		ND	2.1	20	8/22/11 11:00	TPH
Cyclohexane	ND	1.0		ND	3.4	20	8/22/11 11:00	TPH
Dibromochloromethane	ND	1.0		ND	8.5	20	8/22/11 11:00	TPH
1,2-Dibromoethane (EDB)	ND	1.0		ND	7.7	20	8/22/11 11:00	TPH
1,2-Dichlorobenzene	ND	1.0		ND	6.0	20	8/22/11 11:00	TPH
1,3-Dichlorobenzene	ND	1.0		ND	6.0	20	8/22/11 11:00	TPH
1,4-Dichlorobenzene	ND	1.0		ND	6.0	20	8/22/11 11:00	TPH
Dichlorodifluoromethane (Freon 12)	2.6	1.0		13	4.9	20	8/22/11 11:00	TPH
1,1-Dichloroethane	ND	1.0		ND	4.0	20	8/22/11 11:00	TPH
1,2-Dichloroethane	ND	1.0		ND	4.0	20	8/22/11 11:00	TPH
1,1-Dichloroethylene	ND	1.0		ND	4.0	20	8/22/11 11:00	TPH
cis-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/22/11 11:00	TPH
trans-1,2-Dichloroethylene	ND	1.0		ND	4.0	20	8/22/11 11:00	TPH
1,2-Dichloropropane	ND	1.0		ND	4.6	20	8/22/11 11:00	TPH
cis-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/22/11 11:00	TPH
trans-1,3-Dichloropropene	ND	1.0		ND	4.5	20	8/22/11 11:00	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	1.0		ND	7.0	20	8/22/11 11:00	TPH
Ethanol	ND	40		ND	75	20	8/22/11 11:00	TPH
Ethyl Acetate	ND	1.0		ND	3.6	20	8/22/11 11:00	TPH
Ethylbenzene	4.4	1.0		19	4.3	20	8/22/11 11:00	TPH
4-Ethyltoluene	1.7	1.0		8.6	4.9	20	8/22/11 11:00	TPH
Heptane	1.5	1.0		6.1	4.1	20	8/22/11 11:00	TPH
Hexachlorobutadiene	ND	1.0		ND	11	20	8/22/11 11:00	TPH
Hexane	ND	40		ND	140	20	8/22/11 11:00	TPH
2-Hexanone (MBK)	ND	1.0		ND	4.1	20	8/22/11 11:00	TPH

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners, Brooklyn
Date Received: 8/15/2011
Field Sample #: SV-20
Sample ID: 11H0556-11
Sample Matrix: Soil Gas
Sampled: 8/10/2011 17:50

Sample Description/Location: Soil Vapor
Sub Description/Location:
Canister ID: 1823
Canister Size: 6 liter
Flow Controller ID: 3042
Sample Type: 1 hr

Work Order: 11H0556
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -9
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

Sample Flags: RL-02

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Isopropanol	ND	40		ND	98	20	8/22/11 11:00	TPH
Methyl tert-Butyl Ether (MTBE)	ND	1.0		ND	3.6	20	8/22/11 11:00	TPH
Methylene Chloride	ND	10		ND	35	20	8/22/11 11:00	TPH
4-Methyl-2-pentanone (MIBK)	ND	1.0		ND	4.1	20	8/22/11 11:00	TPH
Propene	ND	40		ND	69	20	8/22/11 11:00	TPH
Styrene	1.5	1.0		6.4	4.3	20	8/22/11 11:00	TPH
1,1,2,2-Tetrachloroethane	ND	1.0		ND	6.9	20	8/22/11 11:00	TPH
Tetrachloroethylene	13	1.0		85	6.8	20	8/22/11 11:00	TPH
Tetrahydrofuran	ND	1.0		ND	2.9	20	8/22/11 11:00	TPH
Toluene	10	1.0		39	3.8	20	8/22/11 11:00	TPH
1,2,4-Trichlorobenzene	ND	1.0		ND	7.4	20	8/22/11 11:00	TPH
1,1,1-Trichloroethane	53	1.0		290	5.5	20	8/22/11 11:00	TPH
1,1,2-Trichloroethane	ND	1.0		ND	5.5	20	8/22/11 11:00	TPH
Trichloroethylene	ND	1.0		ND	5.4	20	8/22/11 11:00	TPH
Trichlorofluoromethane (Freon 11)	2.2	1.0		12	5.6	20	8/22/11 11:00	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0		ND	7.7	20	8/22/11 11:00	TPH
1,2,4-Trimethylbenzene	5.8	1.0		28	4.9	20	8/22/11 11:00	TPH
1,3,5-Trimethylbenzene	1.7	1.0		8.6	4.9	20	8/22/11 11:00	TPH
Vinyl Acetate	ND	1.0		ND	3.5	20	8/22/11 11:00	TPH
Vinyl Chloride	ND	1.0		ND	2.6	20	8/22/11 11:00	TPH
m&p-Xylene	15	2.0		67	8.7	20	8/22/11 11:00	TPH
o-Xylene	5.0	1.0		22	4.3	20	8/22/11 11:00	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	102	70-130	8/22/11 11:00

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Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
11H0556-01 [AA-2]	B035974	1.5	1	N/A	1000	400	855	08/18/11
11H0556-02 [SV-12]	B035974	1	1	N/A	1000	400	20	08/18/11
11H0556-03 [SV-13]	B035974	1	1	N/A	1000	400	20	08/18/11
11H0556-04 [SV-A]	B035974	1	1	N/A	1000	400	20	08/18/11
11H0556-05 [SV-14]	B035974	1	1	N/A	1000	400	20	08/18/11
11H0556-06 [SV-15]	B035974	1	1	N/A	1000	400	20	08/18/11
11H0556-07 [SV-16]	B035974	1	1	N/A	1000	400	20	08/18/11
11H0556-08 [SV-17]	B035974	1	1	N/A	1000	400	20	08/18/11

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
11H0556-05RE1 [SV-14]	B035976	1	1	N/A	1000	400	10	08/21/11
11H0556-06RE1 [SV-15]	B035976	2	100	10	1000	400	40	08/21/11
11H0556-08RE1 [SV-17]	B035976	2	100	10	1000	400	200	08/21/11
11H0556-09 [SV-18]	B035976	2	100	10	1000	400	400	08/21/11
11H0556-10 [SV-19]	B035976	1	1	N/A	1000	400	20	08/21/11
11H0556-10RE1 [SV-19]	B035976	2	100	10	1000	400	200	08/21/11
11H0556-11 [SV-20]	B035976	2	1	N/A	1000	400	40	08/21/11

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B035974 - TO-15 Prep											
Blank (B035974-BLK1)					Prepared & Analyzed: 08/18/11						
Acetone	ND	1.0									
Benzene	ND	0.025									
Benzyl chloride	ND	0.025									
Bromodichloromethane	ND	0.025									
Bromoform	ND	0.025									
Bromomethane	ND	0.025									
1,3-Butadiene	ND	0.025									
2-Butanone (MEK)	ND	1.0									
Carbon Disulfide	ND	0.25									
Carbon Tetrachloride	ND	0.025									
Chlorobenzene	ND	0.025									
Chloroethane	ND	0.025									
Chloroform	ND	0.025									
Chloromethane	ND	0.025									
Cyclohexane	ND	0.025									
Dibromochloromethane	ND	0.025									
1,2-Dibromoethane (EDB)	ND	0.025									
1,2-Dichlorobenzene	ND	0.025									
1,3-Dichlorobenzene	ND	0.025									
1,4-Dichlorobenzene	ND	0.025									
Dichlorodifluoromethane (Freon 12)	ND	0.025									
1,1-Dichloroethane	ND	0.025									
1,2-Dichloroethane	ND	0.025									
1,1-Dichloroethylene	ND	0.025									
cis-1,2-Dichloroethylene	ND	0.025									
trans-1,2-Dichloroethylene	ND	0.025									
1,2-Dichloropropane	ND	0.025									
cis-1,3-Dichloropropene	ND	0.025									
trans-1,3-Dichloropropene	ND	0.025									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.025									
Ethanol	ND	1.0									
Ethyl Acetate	ND	0.025									
Ethylbenzene	ND	0.025									
4-Ethyltoluene	ND	0.025									
Heptane	ND	0.025									
Hexachlorobutadiene	ND	0.025									
Hexane	ND	1.0									
2-Hexanone (MBK)	ND	0.025									
Isopropanol	ND	1.0									
Methyl tert-Butyl Ether (MTBE)	ND	0.025									
Methylene Chloride	ND	0.25									
4-Methyl-2-pentanone (MIBK)	ND	0.025									
Propene	ND	1.0									
Styrene	ND	0.025									
1,1,2,2-Tetrachloroethane	ND	0.025									
Tetrachloroethylene	ND	0.025									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B035974 - TO-15 Prep											
Blank (B035974-BLK1)					Prepared & Analyzed: 08/18/11						
Tetrahydrofuran	ND	0.025									
Toluene	ND	0.025									
1,2,4-Trichlorobenzene	ND	0.025									
1,1,1-Trichloroethane	ND	0.025									
1,1,2-Trichloroethane	ND	0.025									
Trichloroethylene	ND	0.025									
Trichlorofluoromethane (Freon 11)	ND	0.025									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.025									
1,2,4-Trimethylbenzene	ND	0.025									
1,3,5-Trimethylbenzene	ND	0.025									
Vinyl Acetate	ND	0.025									
Vinyl Chloride	ND	0.025									
m&p-Xylene	ND	0.050									
o-Xylene	ND	0.025									
Surrogate: 4-Bromofluorobenzene (1)	*8.22*				*8.00*		*103*	*70-130*			
LCS (B035974-BS1)					Prepared & Analyzed: 08/18/11						
Acetone	4.86				5.00		97.1	50-150			
Benzene	4.68				5.00		93.5	70-130			
Benzyl chloride	4.97				5.00		99.3	70-130			
Bromodichloromethane	5.08				5.00		102	70-130			
Bromoform	5.59				5.00		112	70-130			
Bromomethane	5.06				5.00		101	70-130			
1,3-Butadiene	4.81				5.00		96.2	70-130			
2-Butanone (MEK)	4.33				5.00		86.5	70-130			
Carbon Disulfide	4.86				5.00		97.1	70-130			
Carbon Tetrachloride	5.19				5.00		104	70-130			
Chlorobenzene	4.84				5.00		96.8	70-130			
Chloroethane	4.72				5.00		94.5	70-130			
Chloroform	5.25				5.00		105	70-130			
Chloromethane	4.77				5.00		95.5	70-130			
Cyclohexane	4.39				5.00		87.8	50-150			
Dibromochloromethane	5.22				5.00		104	70-130			
1,2-Dibromoethane (EDB)	4.90				5.00		98.1	70-130			
1,2-Dichlorobenzene	5.28				5.00		106	70-130			
1,3-Dichlorobenzene	5.20				5.00		104	70-130			
1,4-Dichlorobenzene	5.16				5.00		103	70-130			
Dichlorodifluoromethane (Freon 12)	5.46				5.00		109	70-130			
1,1-Dichloroethane	5.03				5.00		101	70-130			
1,2-Dichloroethane	5.37				5.00		107	70-130			
1,1-Dichloroethylene	4.84				5.00		96.9	70-130			
cis-1,2-Dichloroethylene	5.14				5.00		103	70-130			
trans-1,2-Dichloroethylene	5.13				5.00		103	70-130			
1,2-Dichloropropane	4.59				5.00		91.7	70-130			
cis-1,3-Dichloropropene	5.10				5.00		102	70-130			
trans-1,3-Dichloropropene	4.51				5.00		90.1	70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B035974 - TO-15 Prep											
LCS (B035974-BS1)					Prepared & Analyzed: 08/18/11						
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.88				5.00		97.6	70-130			
Ethanol	3.98				5.00		79.5	50-150			
Ethyl Acetate	4.32				5.00		86.3	50-150			
Ethylbenzene	4.76				5.00		95.3	70-130			
4-Ethyltoluene	4.86				5.00		97.2	50-150			
Heptane	4.59				5.00		91.8	50-150			
Hexachlorobutadiene	5.74				5.00		115	70-130			
Hexane	4.57				5.00		91.5	70-130			
2-Hexanone (MBK)	4.21				5.00		84.1	50-150			
Isopropanol	3.84				5.00		76.7	50-150			
Methyl tert-Butyl Ether (MTBE)	4.87				5.00		97.4	70-130			
Methylene Chloride	4.43				5.00		88.7	70-130			
4-Methyl-2-pentanone (MIBK)	4.66				5.00		93.2	70-130			
Propene	5.36				5.00		107	50-150			
Styrene	4.87				5.00		97.4	70-130			
1,1,2,2-Tetrachloroethane	4.87				5.00		97.4	70-130			
Tetrachloroethylene	5.05				5.00		101	70-130			
Tetrahydrofuran	4.55				5.00		90.9	50-150			
Toluene	4.70				5.00		93.9	70-130			
1,2,4-Trichlorobenzene	6.45				5.00		129	70-130			
1,1,1-Trichloroethane	4.99				5.00		99.8	70-130			
1,1,2-Trichloroethane	4.89				5.00		97.9	70-130			
Trichloroethylene	4.87				5.00		97.3	70-130			
Trichlorofluoromethane (Freon 11)	5.30				5.00		106	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.00				5.00		100	70-130			
1,2,4-Trimethylbenzene	5.05				5.00		101	70-130			
1,3,5-Trimethylbenzene	4.98				5.00		99.5	70-130			
Vinyl Acetate	3.88				5.00		77.7	70-130			
Vinyl Chloride	5.03				5.00		101	70-130			
m&p-Xylene	9.36				10.0		93.6	70-130			
o-Xylene	4.81				5.00		96.1	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.29*				*8.00*		*104*	*70-130*			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B035976 - TO-15 Prep											
Blank (B035976-BLK1)					Prepared & Analyzed: 08/21/11						
Acetone	ND	1.0									
Benzene	ND	0.025									
Benzyl chloride	ND	0.025									
Bromodichloromethane	ND	0.025									
Bromoform	ND	0.025									
Bromomethane	ND	0.025									
1,3-Butadiene	ND	0.025									
2-Butanone (MEK)	ND	1.0									
Carbon Disulfide	ND	0.25									
Carbon Tetrachloride	ND	0.025									
Chlorobenzene	ND	0.025									
Chloroethane	ND	0.025									
Chloroform	ND	0.025									
Chloromethane	ND	0.025									
Cyclohexane	ND	0.025									
Dibromochloromethane	ND	0.025									
1,2-Dibromoethane (EDB)	ND	0.025									
1,2-Dichlorobenzene	ND	0.025									
1,3-Dichlorobenzene	ND	0.025									
1,4-Dichlorobenzene	ND	0.025									
Dichlorodifluoromethane (Freon 12)	ND	0.025									
1,1-Dichloroethane	ND	0.025									
1,2-Dichloroethane	ND	0.025									
1,1-Dichloroethylene	ND	0.025									
cis-1,2-Dichloroethylene	ND	0.025									
trans-1,2-Dichloroethylene	ND	0.025									
1,2-Dichloropropane	ND	0.025									
cis-1,3-Dichloropropene	ND	0.025									
trans-1,3-Dichloropropene	ND	0.025									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.025									
Ethanol	ND	1.0									
Ethyl Acetate	ND	0.025									
Ethylbenzene	ND	0.025									
4-Ethyltoluene	ND	0.025									
Heptane	ND	0.025									
Hexachlorobutadiene	ND	0.025									
Hexane	ND	1.0									
2-Hexanone (MBK)	ND	0.025									
Isopropanol	ND	1.0									
Methyl tert-Butyl Ether (MTBE)	ND	0.025									
Methylene Chloride	ND	0.25									
4-Methyl-2-pentanone (MIBK)	ND	0.025									
Propene	ND	1.0									
Styrene	ND	0.025									
1,1,2,2-Tetrachloroethane	ND	0.025									
Tetrachloroethylene	ND	0.025									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B035976 - TO-15 Prep											
Blank (B035976-BLK1)					Prepared & Analyzed: 08/21/11						
Tetrahydrofuran	ND	0.025									
Toluene	ND	0.025									
1,2,4-Trichlorobenzene	ND	0.025									
1,1,1-Trichloroethane	ND	0.025									
1,1,2-Trichloroethane	ND	0.025									
Trichloroethylene	ND	0.025									
Trichlorofluoromethane (Freon 11)	ND	0.025									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.025									
1,2,4-Trimethylbenzene	ND	0.025									
1,3,5-Trimethylbenzene	ND	0.025									
Vinyl Acetate	ND	0.025									
Vinyl Chloride	ND	0.025									
m&p-Xylene	ND	0.050									
o-Xylene	ND	0.025									
Surrogate: 4-Bromofluorobenzene (1)	*7.82*				*8.00*		*97.7*	*70-130*			
LCS (B035976-BS1)					Prepared & Analyzed: 08/21/11						
Acetone	4.68				5.00		93.6	50-150			
Benzene	4.15				5.00		83.0	70-130			
Benzyl chloride	5.86				5.00		117	70-130			
Bromodichloromethane	4.54				5.00		90.8	70-130			
Bromoform	4.91				5.00		98.2	70-130			
Bromomethane	3.71				5.00		74.3	70-130			
1,3-Butadiene	4.21				5.00		84.3	70-130			
2-Butanone (MEK)	4.21				5.00		84.3	70-130			
Carbon Disulfide	4.10				5.00		81.9	70-130			
Carbon Tetrachloride	4.93				5.00		98.6	70-130			
Chlorobenzene	4.18				5.00		83.6	70-130			
Chloroethane	4.07				5.00		81.3	70-130			
Chloroform	4.08				5.00		81.6	70-130			
Chloromethane	3.93				5.00		78.5	70-130			
Cyclohexane	4.43				5.00		88.5	50-150			
Dibromochloromethane	4.63				5.00		92.6	70-130			
1,2-Dibromoethane (EDB)	4.12				5.00		82.3	70-130			
1,2-Dichlorobenzene	4.27				5.00		85.3	70-130			
1,3-Dichlorobenzene	4.31				5.00		86.3	70-130			
1,4-Dichlorobenzene	4.25				5.00		85.0	70-130			
Dichlorodifluoromethane (Freon 12)	4.05				5.00		80.9	70-130			
1,1-Dichloroethane	4.15				5.00		83.0	70-130			
1,2-Dichloroethane	4.18				5.00		83.6	70-130			
1,1-Dichloroethylene	4.24				5.00		84.9	70-130			
cis-1,2-Dichloroethylene	4.22				5.00		84.4	70-130			
trans-1,2-Dichloroethylene	4.25				5.00		85.1	70-130			
1,2-Dichloropropane	4.36				5.00		87.2	70-130			
cis-1,3-Dichloropropene	4.87				5.00		97.4	70-130			
trans-1,3-Dichloropropene	4.46				5.00		89.1	70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B035976 - TO-15 Prep											
LCS (B035976-BS1)					Prepared & Analyzed: 08/21/11						
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	3.71				5.00		74.2	70-130			
Ethanol	3.34				5.00		66.8	50-150			
Ethyl Acetate	3.77				5.00		75.3	50-150			
Ethylbenzene	4.57				5.00		91.4	70-130			
4-Ethyltoluene	4.67				5.00		93.3	50-150			
Heptane	5.00				5.00		100	50-150			
Hexachlorobutadiene	4.47				5.00		89.3	70-130			
Hexane	4.85				5.00		97.1	70-130			
2-Hexanone (MBK)	4.43				5.00		88.6	50-150			
Isopropanol	4.14				5.00		82.9	50-150			
Methyl tert-Butyl Ether (MTBE)	4.46				5.00		89.1	70-130			
Methylene Chloride	4.39				5.00		87.9	70-130			
4-Methyl-2-pentanone (MIBK)	4.45				5.00		89.0	70-130			
Propene	5.07				5.00		101	50-150			
Styrene	4.72				5.00		94.4	70-130			
1,1,2,2-Tetrachloroethane	4.04				5.00		80.8	70-130			
Tetrachloroethylene	4.11				5.00		82.2	70-130			
Tetrahydrofuran	4.31				5.00		86.2	50-150			
Toluene	4.59				5.00		91.8	70-130			
1,2,4-Trichlorobenzene	4.73				5.00		94.6	70-130			
1,1,1-Trichloroethane	4.47				5.00		89.4	70-130			
1,1,2-Trichloroethane	4.11				5.00		82.1	70-130			
Trichloroethylene	4.24				5.00		84.9	70-130			
Trichlorofluoromethane (Freon 11)	4.64				5.00		92.9	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	3.95				5.00		79.1	70-130			
1,2,4-Trimethylbenzene	4.59				5.00		91.8	70-130			
1,3,5-Trimethylbenzene	4.62				5.00		92.4	70-130			
Vinyl Acetate	4.72				5.00		94.4	70-130			
Vinyl Chloride	3.79				5.00		75.7	70-130			
m&p-Xylene	9.30				10.0		93.0	70-130			
o-Xylene	4.46				5.00		89.1	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.05*				*8.00*		*101*	*70-130*			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
RL-02	Elevated reporting limit due to high concentration of non-target compounds. Requested detection limit not met.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
Z-01	Internal standard is outside of criteria in a dilution analysis, sample data is not reported for compounds using this Internal Standard.

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S000954-CCV1)			Lab File ID: G082102.D			Analyzed: 08/21/11 18:57			
Bromochloromethane (1)	583906	8.778	401737	8.777	145	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	1462610	10.672	1069544	10.671	137	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1)	1323536	15.439	963689	15.439	137	60 - 140	0.0000	+/-0.50	
LCS (B035976-BS1)			Lab File ID: G082103.D			Analyzed: 08/21/11 19:36			
Bromochloromethane (1)	589716	8.786	583906	8.778	101	60 - 140	0.0080	+/-0.50	
1,4-Difluorobenzene (1)	1467286	10.672	1462610	10.672	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1338636	15.439	1323536	15.439	101	60 - 140	0.0000	+/-0.50	
Blank (B035976-BLK1)			Lab File ID: G082105.D			Analyzed: 08/21/11 20:59			
Bromochloromethane (1)	588454	8.778	583906	8.778	101	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1460095	10.672	1462610	10.672	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1326721	15.439	1323536	15.439	100	60 - 140	0.0000	+/-0.50	
SV-19 (11H0556-10)			Lab File ID: G082123.D			Analyzed: 08/22/11 10:22			
Bromochloromethane (1)	425801	8.786	583906	8.778	73	60 - 140	0.0080	+/-0.50	
1,4-Difluorobenzene (1)	1204441	10.672	1462610	10.672	82	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1134000	15.439	1323536	15.439	86	60 - 140	0.0000	+/-0.50	
SV-20 (11H0556-11)			Lab File ID: G082124.D			Analyzed: 08/22/11 11:00			
Bromochloromethane (1)	430602	8.786	583906	8.778	74	60 - 140	0.0080	+/-0.50	
1,4-Difluorobenzene (1)	1220445	10.672	1462610	10.672	83	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1121544	15.439	1323536	15.439	85	60 - 140	0.0000	+/-0.50	
SV-14 (11H0556-05RE1)			Lab File ID: G082125.D			Analyzed: 08/22/11 11:38			
Bromochloromethane (1)	432641	8.786	583906	8.778	74	60 - 140	0.0080	+/-0.50	
1,4-Difluorobenzene (1)	1193332	10.672	1462610	10.672	82	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1106393	15.439	1323536	15.439	84	60 - 140	0.0000	+/-0.50	
SV-17 (11H0556-08RE1)			Lab File ID: G082127.D			Analyzed: 08/22/11 12:57			
Bromochloromethane (1)	236808	8.769	583906	8.778	41	60 - 140	-0.0090	+/-0.50	*
1,4-Difluorobenzene (1)	364089	10.638	1462610	10.672	25	60 - 140	-0.0340	+/-0.50	*
Chlorobenzene-d5 (1)	1310302	15.431	1323536	15.439	99	60 - 140	-0.0080	+/-0.50	
SV-19 (11H0556-10RE1)			Lab File ID: G082128.D			Analyzed: 08/22/11 13:36			
Bromochloromethane (1)	496164	8.786	583906	8.778	85	60 - 140	0.0080	+/-0.50	
1,4-Difluorobenzene (1)	1334924	10.672	1462610	10.672	91	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1232180	15.439	1323536	15.439	93	60 - 140	0.0000	+/-0.50	
SV-18 (11H0556-09)			Lab File ID: G082129.D			Analyzed: 08/22/11 14:17			
Bromochloromethane (1)	501371	8.777	583906	8.778	86	60 - 140	-0.0010	+/-0.50	
1,4-Difluorobenzene (1)	1346012	10.671	1462610	10.672	92	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	1153514	15.439	1323536	15.439	87	60 - 140	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
SV-15 (11H0556-06RE1)			Lab File ID: G082132.D			Analyzed: 08/22/11 16:12			
Bromochloromethane (1)	508199	8.786	583906	8.778	87	60 - 140	0.0080	+/-0.50	
1,4-Difluorobenzene (1)	1341928	10.671	1462610	10.672	92	60 - 140	-0.0010	+/-0.50	
Chlorobenzene-d5 (1)	1239936	15.439	1323536	15.439	94	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S000956-CCV1)			Lab File ID: F081802.D			Analyzed: 08/18/11 20:15			
Bromochloromethane (1)	390123	8.581	228536	8.592	171	60 - 140	-0.0110	+/-0.50	
1,4-Difluorobenzene (1)	1237042	10.331	684560	10.345	181	60 - 140	-0.0140	+/-0.50	
Chlorobenzene-d5 (1)	1125618	14.684	610110	14.697	184	60 - 140	-0.0130	+/-0.50	
LCS (B035974-BS1)			Lab File ID: F081803.D			Analyzed: 08/18/11 20:55			
Bromochloromethane (1)	393974	8.581	390123	8.581	101	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1255226	10.331	1237042	10.331	101	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1147711	14.684	1125618	14.684	102	60 - 140	0.0000	+/-0.50	
Blank (B035974-BLK1)			Lab File ID: F081805.D			Analyzed: 08/18/11 22:19			
Bromochloromethane (1)	385430	8.586	390123	8.581	99	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	1225308	10.336	1237042	10.331	99	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	1104496	14.684	1125618	14.684	98	60 - 140	0.0000	+/-0.50	
AA-2 (11H0556-01)			Lab File ID: F081806.D			Analyzed: 08/18/11 23:12			
Bromochloromethane (1)	377419	8.582	390123	8.581	97	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	1173753	10.332	1237042	10.331	95	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1)	1023677	14.68	1125618	14.684	91	60 - 140	-0.0040	+/-0.50	
SV-12 (11H0556-02)			Lab File ID: F081807.D			Analyzed: 08/18/11 23:51			
Bromochloromethane (1)	379102	8.586	390123	8.581	97	60 - 140	0.0050	+/-0.50	
1,4-Difluorobenzene (1)	1185107	10.336	1237042	10.331	96	60 - 140	0.0050	+/-0.50	
Chlorobenzene-d5 (1)	1023738	14.685	1125618	14.684	91	60 - 140	0.0010	+/-0.50	
SV-13 (11H0556-03)			Lab File ID: F081808.D			Analyzed: 08/19/11 00:31			
Bromochloromethane (1)	374115	8.577	390123	8.581	96	60 - 140	-0.0040	+/-0.50	
1,4-Difluorobenzene (1)	1210692	10.327	1237042	10.331	98	60 - 140	-0.0040	+/-0.50	
Chlorobenzene-d5 (1)	1058104	14.68	1125618	14.684	94	60 - 140	-0.0040	+/-0.50	
SV-A (11H0556-04)			Lab File ID: F081809.D			Analyzed: 08/19/11 01:11			
Bromochloromethane (1)	373545	8.582	390123	8.581	96	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	1231251	10.332	1237042	10.331	100	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1)	1065124	14.685	1125618	14.684	95	60 - 140	0.0010	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
SV-14 (11H0556-05)			Lab File ID: F081810.D			Analyzed: 08/19/11 01:51			
Bromochloromethane (1)	364137	8.582	390123	8.581	93	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	1124959	10.337	1237042	10.331	91	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (1)	1003586	14.69	1125618	14.684	89	60 - 140	0.0060	+/-0.50	
SV-15 (11H0556-06)			Lab File ID: F081811.D			Analyzed: 08/19/11 02:31			
Bromochloromethane (1)	374714	8.577	390123	8.581	96	60 - 140	-0.0040	+/-0.50	
1,4-Difluorobenzene (1)	1281158	10.332	1237042	10.331	104	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1)	1061332	14.729	1125618	14.684	94	60 - 140	0.0450	+/-0.50	
SV-16 (11H0556-07)			Lab File ID: F081812.D			Analyzed: 08/19/11 03:19			
Bromochloromethane (1)	376747	8.577	390123	8.581	97	60 - 140	-0.0040	+/-0.50	
1,4-Difluorobenzene (1)	1259181	10.327	1237042	10.331	102	60 - 140	-0.0040	+/-0.50	
Chlorobenzene-d5 (1)	1090242	14.68	1125618	14.684	97	60 - 140	-0.0040	+/-0.50	
SV-17 (11H0556-08)			Lab File ID: F081813.D			Analyzed: 08/19/11 04:06			
Bromochloromethane (1)	373379	8.577	390123	8.581	96	60 - 140	-0.0040	+/-0.50	
1,4-Difluorobenzene (1)	1261444	10.332	1237042	10.331	102	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1)	1112115	14.689	1125618	14.684	99	60 - 140	0.0050	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S000954-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT		
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	5.00	4.23	0.7780196	0.657821	0.05	-15.4	50	
Benzene	A	5.00	4.24	0.9919301	0.8416581	0.05	-15.1	30	
Benzyl chloride	A	5.00	6.51	0.8499213	1.105936	0.05	30.1	30	*
Bromodichloromethane	A	5.00	4.60	0.6068467	0.558865	0.05	-7.9	30	
Bromoform	A	5.00	5.31	0.4704248	0.4992541	0.05	6.1	30	
Bromomethane	A	5.00	3.71	0.5137459	0.3808284	0.05	-25.9	30	
1,3-Butadiene	A	5.00	4.11	0.3659445	0.3010457	0.05	-17.7	30	
2-Butanone (MEK)	A	5.00	4.69	1.666266	1.479934	0.05	-11.2	30	
Carbon Disulfide	A	5.00	4.19	2.225932	1.863867	0.05	-16.3	30	
Carbon Tetrachloride	A	5.00	5.00	0.4740071	0.4736792	0.05	-0.07	30	
Chlorobenzene	A	5.00	4.29	0.9691024	0.8309196	0.05	-14.3	30	
Chloroethane	A	5.00	4.10	0.2436821	0.1995993	0.05	-18.1	30	
Chloroform	A	5.00	4.11	1.597242	1.313759	0.05	-17.7	30	
Chloromethane	A	5.00	3.89	0.4507408	0.3507414	0.05	-22.2	30	
Cyclohexane	A	5.00	4.49	0.4185998	0.3756747	0.05	-10.3	30	
Dibromochloromethane	A	5.00	4.85	0.5702959	0.5527593	0.05	-3.1	30	
1,2-Dibromoethane (EDB)	A	5.00	4.21	0.6212373	0.5229676	0.05	-15.8	30	
1,2-Dichlorobenzene	A	5.00	4.58	0.824805	0.7548579	0.05	-8.5	30	
1,3-Dichlorobenzene	A	5.00	4.58	0.8705477	0.7980271	0.05	-8.3	30	
1,4-Dichlorobenzene	A	5.00	4.56	0.8910381	0.812113	0.05	-8.9	30	
Dichlorodifluoromethane (Freon 12)	A	5.00	4.31	1.567894	1.351966	0.05	-13.8	30	
1,1-Dichloroethane	A	5.00	4.23	1.49737	1.268078	0.05	-15.3	30	
1,2-Dichloroethane	A	5.00	4.22	1.076954	0.9098396	0.05	-15.5	30	
1,1-Dichloroethylene	A	5.00	4.28	1.211692	1.036816	0.05	-14.4	30	
cis-1,2-Dichloroethylene	A	5.00	4.25	1.140275	0.9696437	0.05	-15.0	30	
trans-1,2-Dichloroethylene	A	5.00	4.29	1.208532	1.037148	0.05	-14.2	30	
1,2-Dichloropropane	A	5.00	4.39	0.3723186	0.3272003	0.05	-12.1	30	
cis-1,3-Dichloropropene	A	5.00	4.67	0.4910029	0.458793	0.05	-6.6	30	
trans-1,3-Dichloropropene	A	5.00	4.84	0.4597172	0.444946	0.05	-3.2	30	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	4.00	1.433844	1.146628	0.05	-20.0	30	
Ethanol	A	5.00	3.73	0.1637235	0.1222115	0.05	-25.4	50	
Ethyl Acetate	A	5.00	4.42	0.2785944	0.2464314	0.05	-11.5	50	
Ethylbenzene	A	5.00	4.79	1.520996	1.458115	0.05	-4.1	30	
4-Ethyltoluene	A	5.00	5.02	1.585281	1.5899	0.05	0.3	50	
Heptane	A	5.00	5.04	0.2978858	0.3003617	0.05	0.8	50	
Hexachlorobutadiene	A	5.00	4.79	0.538906	0.5158654	0.05	-4.3	30	
Hexane	A	5.00	5.00	0.8951204	0.8186605	0.05	-8.5	30	
2-Hexanone (MBK)	A	5.00	5.06	0.7787101	0.7885918	0.05	1.3	50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S000954-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Isopropanol	A	5.00	4.18	0.8186062	0.6836854	0.05	-16.5	50
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.65	2.018342	1.878341	0.05	-6.9	30
Methylene Chloride	A	5.00	4.42	0.9376195	0.7709022	0.05	-17.8	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.98	0.7454366	0.741853	0.05	-0.5	30
Propene	A	5.00	4.90	0.5639567	0.5138032	0.05	-8.9	50
Styrene	A	5.00	4.99	0.8778577	0.8755721	0.05	-0.3	30
1,1,2,2-Tetrachloroethane	A	5.00	4.34	0.9145309	0.7929099	0.05	-13.3	30
Tetrachloroethylene	A	5.00	4.24	0.5193439	0.4398436	0.05	-15.3	30
Tetrahydrofuran	A	5.00	4.74	0.3729493	0.3428059	0.05	-8.1	50
Toluene	A	5.00	4.67	1.204989	1.125652	0.05	-6.6	30
1,2,4-Trichlorobenzene	A	5.00	4.96	0.5935905	0.5886788	0.05	-0.8	30
1,1,1-Trichloroethane	A	5.00	4.53	0.5355351	0.4850299	0.05	-9.4	30
1,1,2-Trichloroethane	A	5.00	4.15	0.4163953	0.345535	0.05	-17.0	30
Trichloroethylene	A	5.00	4.20	0.4043424	0.3397083	0.05	-16.0	30
Trichlorofluoromethane (Freon 11)	A	5.00	3.89	1.24975	0.9715728	0.05	-22.3	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	4.05	1.416589	1.146491	0.05	-19.1	30
1,2,4-Trimethylbenzene	A	5.00	5.00	1.301536	1.301614	0.05	0.006	30
1,3,5-Trimethylbenzene	A	5.00	4.92	1.310815	1.289983	0.05	-1.6	30
Vinyl Acetate	A	5.00	4.97	2.298612	2.284817	0.05	-0.6	30
Vinyl Chloride	A	5.00	3.81	0.5346039	0.4076656	0.05	-23.7	30
m&p-Xylene	A	10.0	9.68	1.202997	1.164268	0.05	-3.2	30
o-Xylene	A	5.00	4.72	1.196773	1.129278	0.05	-5.6	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CONTINUING CALIBRATION CHECK

EPA TO-15

S000956-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	4.86	0.9572932	0.9309638	0.05	-2.8	50
Benzene	A	5.00	4.60	0.7445976	0.6857675	0.05	-7.9	30
Benzyl chloride	A	5.00	4.99	1.039369	1.036838	0.05	-0.2	30
Bromodichloromethane	A	5.00	4.96	0.5037588	0.4993822	0.05	-0.9	30
Bromoform	A	5.00	5.57	0.5202506	0.5794932	0.05	11.4	30
Bromomethane	A	5.00	4.98	0.6800857	0.6770008	0.05	-0.5	30
1,3-Butadiene	A	5.00	4.56	0.5168669	0.4711622	0.05	-8.8	30
2-Butanone (MEK)	A	5.00	4.42	1.442287	1.27456	0.05	-11.6	30
Carbon Disulfide	A	5.00	4.41	1.990114	1.75518	0.05	-11.8	30
Carbon Tetrachloride	A	5.00	5.03	0.4616211	0.4647331	0.05	0.7	30
Chlorobenzene	A	5.00	4.80	0.7711919	0.7404899	0.05	-4.0	30
Chloroethane	A	5.00	4.59	0.3673746	0.3373869	0.05	-8.2	30
Chloroform	A	5.00	5.05	1.424879	1.439755	0.05	1.0	30
Chloromethane	A	5.00	4.65	0.6045946	0.5619028	0.05	-7.1	30
Cyclohexane	A	5.00	4.32	0.3404812	0.2939709	0.05	-13.7	30
Dibromochloromethane	A	5.00	5.23	0.5565529	0.5820021	0.05	4.6	30
1,2-Dibromoethane (EDB)	A	5.00	4.88	0.5224367	0.5104069	0.05	-2.3	30
1,2-Dichlorobenzene	A	5.00	5.16	0.7350193	0.7583646	0.05	3.2	30
1,3-Dichlorobenzene	A	5.00	5.12	0.774909	0.7934457	0.05	2.4	30
1,4-Dichlorobenzene	A	5.00	5.15	0.7899202	0.8140396	0.05	3.1	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.34	1.676061	1.788917	0.05	6.7	30
1,1-Dichloroethane	A	5.00	4.91	1.265918	1.242156	0.05	-1.9	30
1,2-Dichloroethane	A	5.00	5.23	0.9102673	0.952799	0.05	4.7	30
1,1-Dichloroethylene	A	5.00	4.76	1.036199	0.9872374	0.05	-4.7	30
cis-1,2-Dichloroethylene	A	5.00	4.98	0.9291754	0.9251851	0.05	-0.4	30
trans-1,2-Dichloroethylene	A	5.00	4.99	0.994264	0.9924665	0.05	-0.2	30
1,2-Dichloropropane	A	5.00	4.52	0.2704444	0.244436	0.05	-9.6	30
cis-1,3-Dichloropropene	A	5.00	4.75	0.4016621	0.3815347	0.05	-5.0	30
trans-1,3-Dichloropropene	A	5.00	4.79	0.4003214	0.383736	0.05	-4.1	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	4.95	1.873473	1.853897	0.05	-1.0	30
Ethanol	A	5.00	4.15	0.2417121	0.200749	0.05	-16.9	50
Ethyl Acetate	A	5.00	4.64	0.2271156	0.210916	0.05	-7.1	50
Ethylbenzene	A	5.00	4.70	1.276998	1.200785	0.05	-6.0	30
4-Ethyltoluene	A	5.00	4.78	1.413115	1.351964	0.05	-4.3	50
Heptane	A	5.00	4.49	0.2255311	0.2024339	0.05	-10.2	50
Hexachlorobutadiene	A	5.00	5.40	0.4997336	0.5393944	0.05	7.9	30
Hexane	A	5.00	4.46	0.8010376	0.7149663	0.05	-10.7	30
2-Hexanone (MBK)	A	5.00	4.37	0.6180448	0.5403553	0.05	-12.6	50

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CONTINUING CALIBRATION CHECK

EPA TO-15

S000956-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Isopropanol	A	5.00	4.29	1.280226	1.098911	0.05	-14.2	50
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.86	1.981639	1.925797	0.05	-2.8	30
Methylene Chloride	A	5.00	4.23	0.764772	0.6477629	0.05	-15.3	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.74	0.2259675	0.2144419	0.05	-5.1	30
Propene	A	5.00	4.86	0.4763985	0.4630088	0.05	-2.8	50
Styrene	A	5.00	4.83	0.7668346	0.7404871	0.05	-3.4	30
1,1,2,2-Tetrachloroethane	A	5.00	4.82	0.697533	0.672383	0.05	-3.6	30
Tetrachloroethylene	A	5.00	5.06	0.4642605	0.4701105	0.05	1.3	30
Tetrahydrofuran	A	5.00	4.53	0.7981852	0.7232304	0.05	-9.4	50
Toluene	A	5.00	4.65	0.9857128	0.9165383	0.05	-7.0	30
1,2,4-Trichlorobenzene	A	5.00	6.10	0.5310595	0.6476613	0.05	22.0	30
1,1,1-Trichloroethane	A	5.00	4.84	0.4743502	0.4590848	0.05	-3.2	30
1,1,2-Trichloroethane	A	5.00	4.81	0.3284759	0.3162494	0.05	-3.7	30
Trichloroethylene	A	5.00	4.67	0.3129761	0.2920593	0.05	-6.7	30
Trichlorofluoromethane (Freon 11)	A	5.00	5.24	1.706165	1.78623	0.05	4.7	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	4.66	1.350825	1.260095	0.05	-6.7	30
1,2,4-Trimethylbenzene	A	5.00	5.01	1.153349	1.156365	0.05	0.3	30
1,3,5-Trimethylbenzene	A	5.00	4.90	1.16111	1.138046	0.05	-2.0	30
Vinyl Acetate	A	5.00	3.89	2.070403	1.611754	0.05	-22.2	30
Vinyl Chloride	A	5.00	4.83	0.6972394	0.6731867	0.05	-3.4	30
m&p-Xylene	A	10.0	9.74	1.024508	0.9976663	0.05	-2.6	30
o-Xylene	A	5.00	4.78	1.014615	0.9695154	0.05	-4.4	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Acetone	AIHA
Benzene	AIHA,FL,NJ,NY
Benzyl chloride	AIHA,FL,NJ,NY
Bromodichloromethane	AIHA,NJ
Bromoform	AIHA,NJ
Bromomethane	AIHA,FL,NJ,NY
1,3-Butadiene	AIHA,NJ
2-Butanone (MEK)	AIHA,FL,NJ,NY
Carbon Disulfide	AIHA,NJ
Carbon Tetrachloride	AIHA,FL,NJ,NY
Chlorobenzene	AIHA,FL,NJ,NY
Chloroethane	AIHA,FL,NJ,NY
Chloroform	AIHA,FL,NJ,NY
Chloromethane	AIHA,FL,NJ,NY
Cyclohexane	AIHA,NJ
Dibromochloromethane	AIHA
1,2-Dibromoethane (EDB)	AIHA,NJ
1,2-Dichlorobenzene	AIHA,FL,NJ,NY
1,3-Dichlorobenzene	AIHA,NJ
1,4-Dichlorobenzene	AIHA,FL,NJ,NY
Dichlorodifluoromethane (Freon 12)	AIHA
1,1-Dichloroethane	AIHA,FL,NJ,NY
1,2-Dichloroethane	AIHA,FL,NJ,NY
1,1-Dichloroethylene	AIHA,FL,NJ,NY
cis-1,2-Dichloroethylene	AIHA,FL,NY
trans-1,2-Dichloroethylene	AIHA,NJ,NY
1,2-Dichloropropane	AIHA,FL,NJ,NY
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY
trans-1,3-Dichloropropene	AIHA
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY
4-Ethyltoluene	AIHA,NJ
Heptane	AIHA,NJ,NY
Hexachlorobutadiene	AIHA,NJ,NY
Hexane	AIHA,FL,NJ,NY
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY
Methylene Chloride	AIHA,FL,NJ,NY
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY
Propene	AIHA
Styrene	AIHA,FL,NJ,NY
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY
Tetrachloroethylene	AIHA,FL,NJ,NY
Tetrahydrofuran	AIHA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Toluene	AIHA,FL,NJ,NY
1,2,4-Trichlorobenzene	AIHA,NJ,NY
1,1,1-Trichloroethane	AIHA,FL,NJ,NY
1,1,2-Trichloroethane	AIHA,FL,NJ,NY
Trichloroethylene	AIHA,FL,NJ,NY
Trichlorofluoromethane (Freon 11)	AIHA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	AIHA,NJ,NY
1,2,4-Trimethylbenzene	AIHA,NJ
1,3,5-Trimethylbenzene	AIHA,NJ
Vinyl Acetate	AIHA,FL,NJ,NY
Vinyl Chloride	AIHA,FL,NJ,NY
m&p-Xylene	AIHA,FL,NJ,NY
o-Xylene	AIHA,FL,NJ,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2012
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2012
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
WA	State of Washington Department of Ecology	C2065	02/23/2012
ME	State of Maine	2011028	06/9/2013

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
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Email: info@contestlabs.com
www.contestlabs.com

AIR SAMPLE CHAIN OF CUSTODY RECORD

1IH0556

39 SPRUCE ST
EAST LONGMEADOW, MA 01028

Company Name: ARCADIS U.S., INC
Address: 855 ROUTE 146, SUITE 210
CLIFTON PARK, NY 12065
Attention: STEFAN BAGNATO
Project Location: MAJESTIC CLEANERS, BROOKLYN
Sampled By: STEFAN BAGNATO

Telephone: (518) 250-7300
Project # 00266384.0000
Client PO #

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☒ WEBSITE CLIENT
Fax # :
Email: stefan.bagnato@arcadis-us.com
Format: ☒ EXCEL ☒ PDF ☐ GIS KEY ☐ OTHER___

Proposal Provided? (For Billing purposes)
☐ yes _____ proposal date

Field ID	Sample Description	Media	Lab #	Date Sampled Start Date Time	Date Sampled Stop Date Time	ONLY USE WHEN USING PUMPS: Total Minutes Sampled	Flow Rate M^3/Min. or L / Min.	Volume Liters or M^3	Matrix Code*	ANALYSIS REQUESTED: TO-15	" Hg Initial pressure	" Hg Final Pressure	" Hg Lab Receipt pressure	Summa Canister ID	Flow Controller ID
AA-2	AMBIENT AIR	S	01	8/10/11 1030	8/11/11 1800				AMB	X	-30	-15	-12.5	1466	3001
SV-12	SOIL VAPOR		02	8/10/11 1100	8/10/11 1205				SG	X	-30	-5	-6.5	1063	3350
SV-13	SOIL VAPOR		03	8/10/11 1125	8/10/11 1230				SG	X	-30	-6	-6	1192	3291
SV-A	SOIL VAPOR		04	8/10/11 1140	8/10/11 1245				SG	X	-30	-6	-6.5	1247	3032
SV-14	SOIL VAPOR		05	8/10/11 1145	8/10/11 1320				SG	X	-30	-7	^	1855	3164
SV-15	SOIL VAPOR		06	8/10/11 1205	8/10/11 1325				SG	X	-29	-4	-6	1497	3217
SV-16	SOIL VAPOR		07	8/10/11 1350	8/10/11 1455				SG	X	-30	-6	^	[redacted] 1058	[redacted] 3101
SV-17	SOIL VAPOR	↓	08	8/10/11 1410	8/10/11 1515				SG	X	-30	-5	-7.5	1804	3350

Please fill out completely, sign, and retain the yellow copy for your records.

Summa canisters and flow controllers must be returned within 14 days of receipt or rental fees will apply.

Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.

Laboratory Comments:

CLIENT COMMENTS:

Relinquished by: (signature)	Date/Time:
Stefan Bagnato	8/12/11 1435
Received by: (signature)	Date/Time:
Paula Blakebrough	8/15/11 13:00
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other STD
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
*Approval Required

Special Requirements
Regulations: NYS ASP
Data Enhancement/RCP? ☐ Y ☐ N
Enhanced Data Package ☒ Y ☐ N
(Surchage Applies)
Required Detection Limits:
Other: NYSDEC EQUIS EDD.

***Matrix Code:**
SG= SOIL GAS
IA= INDOOR AIR
AMB=AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = other

****Media Codes:**
S=summa can
TB=tedlar bag
P=PUF
T=tube
F= filter
C=cassette
O = Other

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WBE/DBE Certified

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Phone: 413-525-2332
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AIR SAMPLE CHAIN OF CUSTODY RECORD

39 SPRUCE ST
EAST LONGMEADOW, MA 01028

Page 2 of 2

1IH0556

Company Name: ARCADIS U.S.
Address: 855 ROUTE 146, SUITE 210
CLIFTON PARK, NY 12065
Attention: STEFAN BAGNATO
Project Location: MAJESTIC CLEANERS, BROOKLYN, NY
Sampled By: STEFAN BAGNATO

Telephone: (518) 250-7300
Project # 00266384.0000
Client PO #

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☒ WEBSITE CLIENT
Fax # :
Email: stefan.bagnato@arcadis-us.com
Format: ☒ EXCEL ☒ PDF ☐ GIS KEY ☐ OTHER

Proposal Provided? (For Billing purposes)
☐ yes _____ proposal date

Field ID	Sample Description	Media	Lab #	Date Sampled Start Date Time	Date Sampled Stop Date Time	ONLY USE WHEN USING PUMPS: Total Minutes Sampled	Flow Rate M^3/Min. or L / Min.	Volume Liters or M^3	Matrix Code*	ANALYSIS REQUESTED: TO-15	" Hg Initial pressure	" Hg Final Pressure	Lab Receipt Pressure	Summa Canister ID	Flow Controller ID
SV18	SOIL VAPOR	S	09	8/10/11 1425	8/10/11 1525				SG	X	-29	-7	9.5	1504	3367
SV-19	SOIL VAPOR	↓	10	8/10/11 1530	8/10/11 1650				SG	X	-30	-4	2.5	1862	3202
SV-20	SOIL VAPOR	↓	11	8/10/11 1650	8/10/11 1750				SG	X	-30	-8	9	1823	3043

Laboratory Comments:

CLIENT COMMENTS: FLOW CONTROLLER 3077 DIDN'T WORK.

Please fill out completely, sign, and retain the yellow copy for your record.

Summa canisters and flow controllers must be returned within 14 days of receipt or rental fees will apply.

Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.

Relinquished by: (signature)	Date/Time:
[signature]	8/12/11 1435
Received by: (signature)	Date/Time:
Paula Blakebrough	8/15/11 13:00
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other STD
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
*Approval Required

Special Requirements
Regulations: NYS ASP
Data Enhancement/RCP? ☐ Y ☐ N
Enhanced Data Package ☒ Y ☐ N
(Surchage Applies)
Required Detection Limits:
Other: NYSDEC EQUIS EDD

***Matrix Code:**
SG= SOIL GAS
IA= INDOOR AIR
AMB=AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = other

****Media Codes:**
S=summa can
TB=tedlar bag
P=PUF
T=tube
F= filter
C=cassette
O = Other

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WBE/DBE Certified

This shipment is part of a multiple-piece shipment

Master tracking no. 303655915001204

Total pieces 3
Total shipment weight 102.0 lbs/46.3 kg

View all associated shipments

Tracking no.: 961201930365591500121 1 (2 of 3) Select time format: **12H**

Delivered

Delivered
Signed for by: PBLAKE

Shipment Dates

Ship date Aug 12, 2011
Delivery date Aug 15, 2011 1:00 PM

Destination

East Longmeadow, MA
Signature Proof of Delivery

Shipment Options

Hold at FedEx Location
Hold at FedEx Location service is not available for this shipment.

Shipment Facts

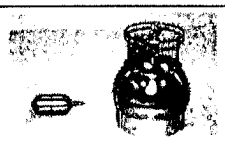
Service type	FedEx Ground-U.S.	Reference	00266384
Pieces	2 of 3		
Weight	34.0 lbs/15.4 kg		
Total Shipment Weight	102.0 lbs/46.3 kg		

Shipment Travel History

Select time zone: Local Scan Time

All shipment travel activity is displayed in local time for the location

Date/Time	Activity	Location	Details
Aug 15, 2011 1:00 PM	**Delivered**	East Longmeadow, MA	
Aug 13, 2011 5:35 AM	On FedEx vehicle for delivery	CHICOPEE, MA	
Aug 13, 2011 5:30 AM	At local FedEx facility	CHICOPEE, MA	
Aug 13, 2011 2:09 AM	Arrived at FedEx location	WILLINGTON, CT	
Aug 12, 2011 11:03 PM	Left FedEx origin facility	NEWBURGH, NY	
Aug 12, 2011 6:41 PM	Arrived at FedEx location	NEWBURGH, NY	
Aug 12, 2011 3:14 PM	Shipment information sent to FedEx		
Aug 12, 2011 3:05 PM	Picked up	NEWBURGH, NY	



www.contestlabs.com

con-test® ANALYTICAL LABORATORY

AIR Only Receipt Checklist

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

CLIENT NAME: Arcadis RECEIVED BY: PB DATE: 8.15.11

1) Was the chain(s) of custody relinquished and signed? (Yes) No

2) Does the chain agree with the samples? (Yes) No
If not, explain:

3) Are all the samples in good condition? (Yes) No
If not, explain:

4) Are there any samples "On Hold"? Yes (No) Stored where:

5) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)

Who was notified _____ Date _____ Time _____

6) Location where samples are stored: Air Lab

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

Air Media received at Con-Test

			# of Containers	Types (Size, Duration)
Air Sampling Media	Summa Cans		12	6 Lit
	Tedlar Bags			
	Tubes			
Flow Controllers	Regulators		12	1 hr 8 hr 3001
	Restrictors			
Extras	Tubing			
	Other			

Unused Summas:

Unused Regulators:

1) Was all media (used & unused checked into the WASP? Fed Ex # 9612019 3036559 15001211

2) Were all returned summa cans, Restrictors, & Regulators documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments:

3001

3350 [redacted] 3367
3291 3042 3077
3032 3202
3217 3050
3184 3101

1823 1855 1862
1466 1497 [redacted]
1063 1058 1871
1192 1804
1247 1504

Air Sampling Media Certificate of Analysis

Date Analyzed: 7/27/2011 **Batch #:** 11B257

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC1058

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.40	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.80	Hexane	<0.02	1,2-Dibromomethane
<0.02	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.20	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.02	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.02	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.02	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.02	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.80	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: 8/22/2011

Air Sampling Media Certificate of Analysis

Date Analyzed: 7/29/2011 **Batch #:** 11B259

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC1804

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.40	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.80	Hexane	<0.02	1,2-Dibromomethane
<0.02	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.20	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
0.85	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.02	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.02	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.02	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.02	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.80	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: 8/22/2011

Air Sampling Media Certificate of Analysis

Date Analyzed: 7/29/2011 **Batch #:** 11B261

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs:			
	BC1466	BC1063	BC1192
	BC1247	BC1855	BC1497
	BC1504	BC1862	BC1823

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.40	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.80	Hexane	<0.02	1,2-Dibromomethane
<0.02	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.20	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.02	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.02	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.02	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.02	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.80	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: 8/22/2011

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

ANALYTICAL RESULTS
SUMMARY

PROJECT NAME : 02-66-384 FORMER MAJESTIC CLEANERS

MALCOLM PIRNIE, INC.
855 Route 146, Suite 210

Clifton Park , NY - 12065
Phone No: 5182507300

ORDER ID : **C3374**
ATTENTION : **Stefan Bagnato**

ACCREDITED IN ACCORDANCE WITH nelac
DoD ELAP

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
DUP-081111	C3374-01	8260B	8270C				
TRIPBLANK	C3374-02	8260B					
PZ-9	C3374-03	8260B	8270C				
PZ-10	C3374-04	8260B	8270C				
PZ-7	C3374-05	8260B	8270C				
PZ-8	C3374-08	8260B	8270C				

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIa

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
C3374-01	WATER	08/11/11	08/12/11	08/15/11	08/16/11
C3374-03	WATER	08/11/11	08/12/11	08/15/11	08/16/11
C3374-04	WATER	08/11/11	08/12/11	08/15/11	08/16/11
C3374-05	WATER	08/11/11	08/12/11	08/15/11	08/16/11
C3374-08	WATER	08/11/11	08/12/11	08/15/11	08/16/11

* Details For Test :SVOC-TCL BNA -20

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
C3374-01	WATER	08/11/11	08/12/11		08/20/11
C3374-02	WATER	08/11/11	08/12/11		08/19/11
C3374-03	WATER	08/11/11	08/12/11		08/20/11
C3374-04	WATER	08/11/11	08/12/11		08/21/11
C3374-05	WATER	08/11/11	08/12/11		08/19/11
C3374-08	WATER	08/11/11	08/12/11		08/21/11

* Details For Test :VOC-TCLVOA-10

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY
MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
C3374-01	Water	8260B	5030		
C3374-02	Water	8260B	5030		
C3374-03	Water	8260B	5030		
C3374-04	Water	8260B	5030		
C3374-05	Water	8260B	5030		
C3374-06	Water	8260B	5030		
C3374-07	Water	8260B	5030		
C3374-08	Water	8260B	5030		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY
MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
C3374-01	Water	8270C	3510C		
C3374-03	Water	8270C	3510C		
C3374-04	Water	8270C	3510C		
C3374-05	Water	8270C	3510C		
C3374-06	Water	8270C	3510C		
C3374-07	Water	8270C	3510C		
C3374-08	Water	8270C	3510C		

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Cover Page

Order ID : C3374

Project ID : 02-66-384 Former Majestic cleaners

Client : Malcolm Pirnie, Inc.

Lab Sample Number	Client Sample Number
C3374-01	DUP-081111
C3374-02	TRIPBLANK
C3374-03	PZ-9
C3374-04	PZ-10
C3374-05	PZ-7
C3374-06	C3374-05MS
C3374-07	C3374-05MSD
C3374-08	PZ-8

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: 02-66-384 Former Majestic cleaners
Project # N/A
Chemtech Project # C3374
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
8 Water samples were received on 08/12/2011.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_E were done using GC column RTX-VMS which is 60 meters, 0.25 mm id, 1.40 um df, Zebron. #ZB-624. The Trap was supplied by OI Analytical, OI #130107 Trap , OI Eclipse 4660 Concentrator.The analysis of VOC-TCLVOA-10 was based on method 8260B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD recoveries met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
Bromomethane has taken highest calibration level is 100 ppm .
The Initial Calibration met the requirements .
The Continuous Calibration File ID VE023508.D met the requirements except for Bromomethane but the samples have no hit for this compound.
The Tuning criteria met requirements.
Samples DUP-081111, PZ-9 and PZ-10 were diluted due to high concentrations.

E. Additional Comments:
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount

for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: 02-66-384 Former Majestic cleaners
Project # N/A
Chemtech Project # C3374
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
8 Water samples were received on 08/12/2011.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column RTX-5 SILMS which is 20 meters, 0.18 mm ID, 0.36 um df, Catalog # 42704.The analysis of SVOC-TCL BNA -20 was based on method 8270C and extraction was done based on method 3510C.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for PZ-10 [Phenol-d5 - 9%].
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD recoveries met criteria .
The Blank Spike for {PB57413BS} with File ID: BF048042.D met requirements for all samples except for Atrazine[0%] but it is not present in the sample .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

E. Additional Comments:
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

CHEMTECH

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. C3374
QUOTE NO.
COC Number 087523

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: ARCADIS U.S.
ADDRESS: 855 ROUTE 146, SUITE 210
CITY: CLIFTON PARK STATE: NY ZIP: 12065
ATTENTION: STEFAN BAGNATO
PHONE: 518-250-7300 FAX: 518-250-7301

CLIENT PROJECT INFORMATION

PROJECT NAME: MAJESTIC CLEANERS
PROJECT NO.: 00266384 LOCATION: BROOKLYN, NY
PROJECT MANAGER: BRUCE NELSON
e-mail: bruce.nelson@arcadis-us.com
PHONE: 518-250-7300 FAX: 518-250-7301

CLIENT BILLING INFORMATION

BILL TO: ACCOUNTS PAYABLE PO#: 00266384.0000
ADDRESS:
CITY: HIGHLANDS RANCH STATE: CO ZIP:
ATTENTION: STEFAN BAGNATO PHONE:

DATA TURNAROUND INFORMATION

FAX: _____ DAYS *
HARD COPY: STD DAYS *
EDD: STD DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☒ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☒ EDD FORMAT NYSDEC EQUIS

ANALYSIS

1 TCL VOCs 8260
2 TCL SVOCs 8270

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1 (A)	PRESERVATIVES 2 (E)	3	4	5	6	7	8	9	COMMENTS
1.	DUP-081111	GW		X	8/11/11	0700	3	X	X								
2.	TRIP BLANK	W				—	2	X									
3.	PZ-9	GW		X		0855	3	X	X								
4.	PZ-10	GW		X		1000	3	X	X								
5.	PZ-7 + MS/MSD	GW		X		1050	9	X	X								
6.	PZ-8	GW		X	↓	1145	3	X	X								
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl B-HNO_3
C-H_2SO_4 D-NaOH
E-ICE F-Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	8/11/11 1200	1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3. Fed Ex	8/12/11 9:15	3.

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 4°C
Ice in Cooler?: Yes

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	DUP-081111	SDG No.:	C3374
Lab Sample ID:	C3374-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023522.D	1		08/20/11	VE081911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	80		0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	3.1		0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	7.7		0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	510	E	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	160	E	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	DUP-081111	SDG No.:	C3374
Lab Sample ID:	C3374-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023522.D	1		08/20/11	VE081911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	980	E	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.6		61 - 141	113%	SPK: 50
1868-53-7	Dibromofluoromethane	60.1		69 - 133	120%	SPK: 50
2037-26-5	Toluene-d8	53		65 - 126	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		58 - 135	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	930891	9.36			
540-36-3	1,4-Difluorobenzene	1828490	10.45			
3114-55-4	Chlorobenzene-d5	1624250	14.85			
3855-82-1	1,4-Dichlorobenzene-d4	570338	18.65			

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	DUP-081111DL	SDG No.:	C3374
Lab Sample ID:	C3374-01DL	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023537.D	20		08/21/11	VE082111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20	U	4	20	ug/L
74-87-3	Chloromethane	20	U	4	20	ug/L
75-01-4	Vinyl Chloride	45	D	6.8	20	ug/L
74-83-9	Bromomethane	20	U	4	20	ug/L
75-00-3	Chloroethane	20	U	4	20	ug/L
75-69-4	Trichlorofluoromethane	20	U	7	20	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20	U	9	20	ug/L
75-35-4	1,1-Dichloroethene	20	U	9.4	20	ug/L
67-64-1	Acetone	100	U	10	100	ug/L
75-15-0	Carbon Disulfide	20	U	4	20	ug/L
1634-04-4	Methyl tert-butyl Ether	20	U	7	20	ug/L
79-20-9	Methyl Acetate	20	U	4	20	ug/L
75-09-2	Methylene Chloride	20	U	8.2	20	ug/L
156-60-5	trans-1,2-Dichloroethene	20	U	8.2	20	ug/L
75-34-3	1,1-Dichloroethane	20	U	7.2	20	ug/L
110-82-7	Cyclohexane	20	U	4	20	ug/L
78-93-3	2-Butanone	100	U	26	100	ug/L
56-23-5	Carbon Tetrachloride	20	U	4	20	ug/L
156-59-2	cis-1,2-Dichloroethene	370	D	7	20	ug/L
67-66-3	Chloroform	20	U	6.8	20	ug/L
71-55-6	1,1,1-Trichloroethane	20	U	8	20	ug/L
108-87-2	Methylcyclohexane	20	U	4	20	ug/L
71-43-2	Benzene	20	U	6.4	20	ug/L
107-06-2	1,2-Dichloroethane	20	U	9.6	20	ug/L
79-01-6	Trichloroethene	72	D	5.6	20	ug/L
78-87-5	1,2-Dichloropropane	20	U	9.2	20	ug/L
75-27-4	Bromodichloromethane	20	U	7.2	20	ug/L
108-10-1	4-Methyl-2-Pentanone	100	U	42	100	ug/L
108-88-3	Toluene	20	U	7.4	20	ug/L
10061-02-6	t-1,3-Dichloropropene	20	U	5.8	20	ug/L
10061-01-5	cis-1,3-Dichloropropene	20	U	6.2	20	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	DUP-081111DL	SDG No.:	C3374
Lab Sample ID:	C3374-01DL	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023537.D	20		08/21/11	VE082111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	20	U	7.6	20	ug/L
591-78-6	2-Hexanone	100	U	39	100	ug/L
124-48-1	Dibromochloromethane	20	U	4	20	ug/L
106-93-4	1,2-Dibromoethane	20	U	8.2	20	ug/L
127-18-4	Tetrachloroethene	260	D	5.4	20	ug/L
108-90-7	Chlorobenzene	20	U	9.8	20	ug/L
100-41-4	Ethyl Benzene	20	U	4	20	ug/L
179601-23-1	m/p-Xylenes	40	U	19	40	ug/L
95-47-6	o-Xylene	20	U	8.6	20	ug/L
100-42-5	Styrene	20	U	7.2	20	ug/L
75-25-2	Bromoform	20	U	9.4	20	ug/L
98-82-8	Isopropylbenzene	20	U	9	20	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20	U	6.2	20	ug/L
541-73-1	1,3-Dichlorobenzene	20	U	8.6	20	ug/L
106-46-7	1,4-Dichlorobenzene	20	U	6.4	20	ug/L
95-50-1	1,2-Dichlorobenzene	20	U	9	20	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20	U	9.2	20	ug/L
120-82-1	1,2,4-Trichlorobenzene	20	U	4	20	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.7		61 - 141	115%	SPK: 50
1868-53-7	Dibromofluoromethane	59.9		69 - 133	120%	SPK: 50
2037-26-5	Toluene-d8	52.4		65 - 126	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		58 - 135	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	806198	9.37			
540-36-3	1,4-Difluorobenzene	1605220	10.46			
3114-55-4	Chlorobenzene-d5	1396720	14.86			
3855-82-1	1,4-Dichlorobenzene-d4	471424	18.67			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	TRIPBLANK	SDG No.:	C3374
Lab Sample ID:	C3374-02	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023518.D	1		08/19/11	VE081911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.55	1	ug/L
74-87-3	Chloromethane	1	U	0.54	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.62	1	ug/L
75-00-3	Chloroethane	1	U	0.66	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	2.8	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.54	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.83	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.55	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.62	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.68	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	TRIPBLANK	SDG No.:	C3374
Lab Sample ID:	C3374-02	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023518.D	1		08/19/11	VE081911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.52	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.53	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.62	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.6		61 - 141	111%	SPK: 50
1868-53-7	Dibromofluoromethane	59.3		69 - 133	119%	SPK: 50
2037-26-5	Toluene-d8	53		65 - 126	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		58 - 135	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	954358	9.35			
540-36-3	1,4-Difluorobenzene	1880670	10.45			
3114-55-4	Chlorobenzene-d5	1672940	14.85			
3855-82-1	1,4-Dichlorobenzene-d4	595080	18.65			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-9	SDG No.:	C3374
Lab Sample ID:	C3374-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023525.D	1		08/20/11	VE081911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	76		0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	3.2		0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	7.7		0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	470	E	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	160	E	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-9	SDG No.:	C3374
Lab Sample ID:	C3374-03	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023525.D	1		08/20/11	VE081911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	950	E	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.8		61 - 141	106%	SPK: 50
1868-53-7	Dibromofluoromethane	59.8		69 - 133	120%	SPK: 50
2037-26-5	Toluene-d8	52.5		65 - 126	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	51		58 - 135	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1035040	9.36			
540-36-3	1,4-Difluorobenzene	1927810	10.45			
3114-55-4	Chlorobenzene-d5	1707540	14.86			
3855-82-1	1,4-Dichlorobenzene-d4	617346	18.65			
TENTATIVE IDENTIFIED COMPOUNDS						
135-98-8	sec-Butylbenzene	0.51	J		18.22	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-9DL	SDG No.:	C3374
Lab Sample ID:	C3374-03DL	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023536.D	20		08/21/11	VE082111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20	U	4	20	ug/L
74-87-3	Chloromethane	20	U	4	20	ug/L
75-01-4	Vinyl Chloride	52	D	6.8	20	ug/L
74-83-9	Bromomethane	20	U	4	20	ug/L
75-00-3	Chloroethane	20	U	4	20	ug/L
75-69-4	Trichlorofluoromethane	20	U	7	20	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20	U	9	20	ug/L
75-35-4	1,1-Dichloroethene	20	U	9.4	20	ug/L
67-64-1	Acetone	100	U	10	100	ug/L
75-15-0	Carbon Disulfide	20	U	4	20	ug/L
1634-04-4	Methyl tert-butyl Ether	20	U	7	20	ug/L
79-20-9	Methyl Acetate	20	U	4	20	ug/L
75-09-2	Methylene Chloride	20	U	8.2	20	ug/L
156-60-5	trans-1,2-Dichloroethene	20	U	8.2	20	ug/L
75-34-3	1,1-Dichloroethane	20	U	7.2	20	ug/L
110-82-7	Cyclohexane	20	U	4	20	ug/L
78-93-3	2-Butanone	100	U	26	100	ug/L
56-23-5	Carbon Tetrachloride	20	U	4	20	ug/L
156-59-2	cis-1,2-Dichloroethene	410	D	7	20	ug/L
67-66-3	Chloroform	20	U	6.8	20	ug/L
71-55-6	1,1,1-Trichloroethane	20	U	8	20	ug/L
108-87-2	Methylcyclohexane	20	U	4	20	ug/L
71-43-2	Benzene	20	U	6.4	20	ug/L
107-06-2	1,2-Dichloroethane	20	U	9.6	20	ug/L
79-01-6	Trichloroethene	65	D	5.6	20	ug/L
78-87-5	1,2-Dichloropropane	20	U	9.2	20	ug/L
75-27-4	Bromodichloromethane	20	U	7.2	20	ug/L
108-10-1	4-Methyl-2-Pentanone	100	U	42	100	ug/L
108-88-3	Toluene	20	U	7.4	20	ug/L
10061-02-6	t-1,3-Dichloropropene	20	U	5.8	20	ug/L
10061-01-5	cis-1,3-Dichloropropene	20	U	6.2	20	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-9DL	SDG No.:	C3374
Lab Sample ID:	C3374-03DL	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023536.D	20		08/21/11	VE082111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	20	U	7.6	20	ug/L
591-78-6	2-Hexanone	100	U	39	100	ug/L
124-48-1	Dibromochloromethane	20	U	4	20	ug/L
106-93-4	1,2-Dibromoethane	20	U	8.2	20	ug/L
127-18-4	Tetrachloroethene	160	D	5.4	20	ug/L
108-90-7	Chlorobenzene	20	U	9.8	20	ug/L
100-41-4	Ethyl Benzene	20	U	4	20	ug/L
179601-23-1	m/p-Xylenes	40	U	19	40	ug/L
95-47-6	o-Xylene	20	U	8.6	20	ug/L
100-42-5	Styrene	20	U	7.2	20	ug/L
75-25-2	Bromoform	20	U	9.4	20	ug/L
98-82-8	Isopropylbenzene	20	U	9	20	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20	U	6.2	20	ug/L
541-73-1	1,3-Dichlorobenzene	20	U	8.6	20	ug/L
106-46-7	1,4-Dichlorobenzene	20	U	6.4	20	ug/L
95-50-1	1,2-Dichlorobenzene	20	U	9	20	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20	U	9.2	20	ug/L
120-82-1	1,2,4-Trichlorobenzene	20	U	4	20	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.8		61 - 141	112%	SPK: 50
1868-53-7	Dibromofluoromethane	60.5		69 - 133	121%	SPK: 50
2037-26-5	Toluene-d8	52.7		65 - 126	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		58 - 135	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	915709	9.37			
540-36-3	1,4-Difluorobenzene	1753540	10.45			
3114-55-4	Chlorobenzene-d5	1533870	14.86			
3855-82-1	1,4-Dichlorobenzene-d4	524518	18.66			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-10	SDG No.:	C3374
Lab Sample ID:	C3374-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023538.D	1		08/21/11	VE082111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	150		0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	0.53	J	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	7.6		0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	250	E	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1.1		0.2	1	ug/L
71-43-2	Benzene	0.55	J	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-10	SDG No.:	C3374
Lab Sample ID:	C3374-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023538.D	1		08/21/11	VE082111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1.2		0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	18		0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.8		61 - 141	118%	SPK: 50
1868-53-7	Dibromofluoromethane	59.7		69 - 133	119%	SPK: 50
2037-26-5	Toluene-d8	52.5		65 - 126	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		58 - 135	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	769326	9.37			
540-36-3	1,4-Difluorobenzene	1534870	10.46			
3114-55-4	Chlorobenzene-d5	1350400	14.87			
3855-82-1	1,4-Dichlorobenzene-d4	508209	18.66			
TENTATIVE IDENTIFIED COMPOUNDS						
006221-55-2	Bicyclo[3.2.1]octane	11	J		16.1	ug/L
103-65-1	n-propylbenzene	47	J		17.04	ug/L
98-06-6	tert-Butylbenzene	3.9	J		17.86	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-10	SDG No.:	C3374
Lab Sample ID:	C3374-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023538.D	1		08/21/11	VE082111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
95-63-6	1,2,4-Trimethylbenzene	12	J		17.95	ug/L
000538-93-2	Benzene, (2-methylpropyl)-	8.7	J		18.17	ug/L
135-98-8	sec-Butylbenzene	23	J		18.23	ug/L
99-87-6	p-Isopropyltoluene	1.1	J		18.43	ug/L
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl	7.5	J		18.82	ug/L
000141-93-5	Benzene, 1,3-diethyl-	19	J		18.93	ug/L
104-51-8	n-Butylbenzene	14	J		19.13	ug/L
000135-01-3	Benzene, 1,2-diethyl-	9.0	J		19.31	ug/L
000099-87-6	Benzene, 1-methyl-4-(1-methylethyl	34	J		19.73	ug/L
001560-06-1	Benzene, 2-butenyl-	6.7	J		19.9	ug/L
000767-58-8	Indan, 1-methyl-	41	J		20.03	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	21	J		20.42	ug/L
000934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	25	J		21.29	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-10DL	SDG No.:	C3374
Lab Sample ID:	C3374-04DL	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023539.D	10		08/21/11	VE082111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	10	U	2	10	ug/L
74-87-3	Chloromethane	10	U	2	10	ug/L
75-01-4	Vinyl Chloride	110	D	3.4	10	ug/L
74-83-9	Bromomethane	10	U	2	10	ug/L
75-00-3	Chloroethane	10	U	2	10	ug/L
75-69-4	Trichlorofluoromethane	10	U	3.5	10	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10	U	4.5	10	ug/L
75-35-4	1,1-Dichloroethene	10	U	4.7	10	ug/L
67-64-1	Acetone	50	U	5	50	ug/L
75-15-0	Carbon Disulfide	10	U	2	10	ug/L
1634-04-4	Methyl tert-butyl Ether	10	U	3.5	10	ug/L
79-20-9	Methyl Acetate	10	U	2	10	ug/L
75-09-2	Methylene Chloride	10	U	4.1	10	ug/L
156-60-5	trans-1,2-Dichloroethene	7.4	JD	4.1	10	ug/L
75-34-3	1,1-Dichloroethane	10	U	3.6	10	ug/L
110-82-7	Cyclohexane	10	U	2	10	ug/L
78-93-3	2-Butanone	50	U	13	50	ug/L
56-23-5	Carbon Tetrachloride	10	U	2	10	ug/L
156-59-2	cis-1,2-Dichloroethene	240	D	3.5	10	ug/L
67-66-3	Chloroform	10	U	3.4	10	ug/L
71-55-6	1,1,1-Trichloroethane	10	U	4	10	ug/L
108-87-2	Methylcyclohexane	10	U	2	10	ug/L
71-43-2	Benzene	10	U	3.2	10	ug/L
107-06-2	1,2-Dichloroethane	10	U	4.8	10	ug/L
79-01-6	Trichloroethene	10	U	2.8	10	ug/L
78-87-5	1,2-Dichloropropane	10	U	4.6	10	ug/L
75-27-4	Bromodichloromethane	10	U	3.6	10	ug/L
108-10-1	4-Methyl-2-Pentanone	50	U	21	50	ug/L
108-88-3	Toluene	10	U	3.7	10	ug/L
10061-02-6	t-1,3-Dichloropropene	10	U	2.9	10	ug/L
10061-01-5	cis-1,3-Dichloropropene	10	U	3.1	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-10DL	SDG No.:	C3374
Lab Sample ID:	C3374-04DL	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023539.D	10		08/21/11	VE082111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	10	U	3.8	10	ug/L
591-78-6	2-Hexanone	50	U	19	50	ug/L
124-48-1	Dibromochloromethane	10	U	2	10	ug/L
106-93-4	1,2-Dibromoethane	10	U	4.1	10	ug/L
127-18-4	Tetrachloroethene	10	U	2.7	10	ug/L
108-90-7	Chlorobenzene	10	U	4.9	10	ug/L
100-41-4	Ethyl Benzene	10	U	2	10	ug/L
179601-23-1	m/p-Xylenes	20	U	9.5	20	ug/L
95-47-6	o-Xylene	10	U	4.3	10	ug/L
100-42-5	Styrene	10	U	3.6	10	ug/L
75-25-2	Bromoform	10	U	4.7	10	ug/L
98-82-8	Isopropylbenzene	5.3	JD	4.5	10	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10	U	3.1	10	ug/L
541-73-1	1,3-Dichlorobenzene	10	U	4.3	10	ug/L
106-46-7	1,4-Dichlorobenzene	10	U	3.2	10	ug/L
95-50-1	1,2-Dichlorobenzene	10	U	4.5	10	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	4.6	10	ug/L
120-82-1	1,2,4-Trichlorobenzene	10	U	2	10	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.6		61 - 141	111%	SPK: 50
1868-53-7	Dibromofluoromethane	58.9		69 - 133	118%	SPK: 50
2037-26-5	Toluene-d8	51.7		65 - 126	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		58 - 135	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	802527	9.37			
540-36-3	1,4-Difluorobenzene	1575200	10.46			
3114-55-4	Chlorobenzene-d5	1368820	14.86			
3855-82-1	1,4-Dichlorobenzene-d4	480758	18.66			

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-7	SDG No.:	C3374
Lab Sample ID:	C3374-05	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023521.D	1		08/19/11	VE081911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	27		0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1.6		0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	2.4		0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	82		0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-7	SDG No.:	C3374
Lab Sample ID:	C3374-05	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023521.D	1		08/19/11	VE081911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.9		61 - 141	112%	SPK: 50
1868-53-7	Dibromofluoromethane	61		69 - 133	122%	SPK: 50
2037-26-5	Toluene-d8	53.6		65 - 126	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		58 - 135	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	930322	9.36			
540-36-3	1,4-Difluorobenzene	1820530	10.46			
3114-55-4	Chlorobenzene-d5	1616660	14.85			
3855-82-1	1,4-Dichlorobenzene-d4	570840	18.65			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-8	SDG No.:	C3374
Lab Sample ID:	C3374-08	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023540.D	1		08/21/11	VE082111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	2.8		0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-8	SDG No.:	C3374
Lab Sample ID:	C3374-08	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023540.D	1		08/21/11	VE082111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.4		61 - 141	115%	SPK: 50
1868-53-7	Dibromofluoromethane	61.7		69 - 133	123%	SPK: 50
2037-26-5	Toluene-d8	51.8		65 - 126	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		58 - 135	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	760587	9.37			
540-36-3	1,4-Difluorobenzene	1500450	10.45			
3114-55-4	Chlorobenzene-d5	1303920	14.87			
3855-82-1	1,4-Dichlorobenzene-d4	447050	18.66			

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C3374

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
Client ID:	**DUP-081111**								
C3374-01	DUP-081111	WATER	Vinyl Chloride		80.00		1.0	0.34	ug/L
C3374-01	DUP-081111	WATER	1,1-Dichloroethene		3.10		1.0	0.47	ug/L
C3374-01	DUP-081111	WATER	trans-1,2-Dichloroethene		7.70		1.0	0.41	ug/L
C3374-01	DUP-081111	WATER	cis-1,2-Dichloroethene		510.00	E	1.0	0.35	ug/L
C3374-01	DUP-081111	WATER	Trichloroethene		160.00	E	1.0	0.28	ug/L
C3374-01	DUP-081111	WATER	Tetrachloroethene		980.00	E	1.0	0.27	ug/L
			Total Voc :			**1,740.80**			
			Total Concentration:			**1,740.80**			
Client ID:	**DUP-081111DL**								
C3374-01DL	DUP-081111DL	WATER	Vinyl Chloride		45.00	D	20	6.8	ug/L
C3374-01DL	DUP-081111DL	WATER	cis-1,2-Dichloroethene		370.00	D	20	7.0	ug/L
C3374-01DL	DUP-081111DL	WATER	Trichloroethene		72.00	D	20	5.6	ug/L
C3374-01DL	DUP-081111DL	WATER	Tetrachloroethene		260.00	D	20	5.4	ug/L
			Total Voc :			**747.00**			
			Total Concentration:			**747.00**			
Client ID:	**PZ-10**								
C3374-04	PZ-10	WATER	Vinyl Chloride		150.00		1.0	0.34	ug/L
C3374-04	PZ-10	WATER	1,1-Dichloroethene		0.53	J	1.0	0.47	ug/L
C3374-04	PZ-10	WATER	trans-1,2-Dichloroethene		7.60		1.0	0.41	ug/L
C3374-04	PZ-10	WATER	cis-1,2-Dichloroethene		250.00	E	1.0	0.35	ug/L
C3374-04	PZ-10	WATER	Methylcyclohexane		1.10		1.0	0.20	ug/L
C3374-04	PZ-10	WATER	Benzene		0.55	J	1.0	0.32	ug/L
C3374-04	PZ-10	WATER	Ethyl Benzene		1.20		1.0	0.20	ug/L
C3374-04	PZ-10	WATER	Isopropylbenzene		18.00		1.0	0.45	ug/L
			Total Voc :			**428.98**			
C3374-04	PZ-10	WATER	n-propylbenzene	*	47.00	J	1.0	0.45	ug/L
C3374-04	PZ-10	WATER	tert-Butylbenzene	*	3.90	J	1.0	0.44	ug/L
C3374-04	PZ-10	WATER	1,2,4-Trimethylbenzene	*	12.00	J	1.0	0.38	ug/L
C3374-04	PZ-10	WATER	sec-Butylbenzene	*	23.00	J	1.0	0.46	ug/L
C3374-04	PZ-10	WATER	p-Isopropyltoluene	*	1.10	J	1.0	0.43	ug/L
C3374-04	PZ-10	WATER	n-Butylbenzene	*	14.00	J	1.0	0.41	ug/L
			Total Tics :			**101.00**			
			Total Concentration:			**529.98**			
Client ID:	**PZ-10DL**								
C3374-04DL	PZ-10DL	WATER	Vinyl Chloride		110.00	D	10	3.4	ug/L
C3374-04DL	PZ-10DL	WATER	trans-1,2-Dichloroethene		7.40	JD	10	4.1	ug/L
C3374-04DL	PZ-10DL	WATER	cis-1,2-Dichloroethene		240.00	D	10	3.5	ug/L
C3374-04DL	PZ-10DL	WATER	Isopropylbenzene		5.30	JD	10	4.5	ug/L
			Total Voc :			**362.70**			

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C3374

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
			Total Concentration:			**362.70**			
Client ID:	**PZ-7**								
C3374-05	PZ-7	WATER	Vinyl Chloride		27.00		1.0	0.34	ug/L
C3374-05	PZ-7	WATER	1,1-Dichloroethene		1.60		1.0	0.47	ug/L
C3374-05	PZ-7	WATER	Methyl tert-butyl Ether		2.40		1.0	0.35	ug/L
C3374-05	PZ-7	WATER	cis-1,2-Dichloroethene		82.00		1.0	0.35	ug/L
			Total Voc :			**113.00**			
			Total Concentration:			**113.00**			
Client ID:	**PZ-8**								
C3374-08	PZ-8	WATER	Methyl tert-butyl Ether		2.80		1.0	0.35	ug/L
			Total Voc :			**2.80**			
			Total Concentration:			**2.80**			
Client ID:	**PZ-9**								
C3374-03	PZ-9	WATER	Vinyl Chloride		76.00		1.0	0.34	ug/L
C3374-03	PZ-9	WATER	1,1-Dichloroethene		3.20		1.0	0.47	ug/L
C3374-03	PZ-9	WATER	trans-1,2-Dichloroethene		7.70		1.0	0.41	ug/L
C3374-03	PZ-9	WATER	cis-1,2-Dichloroethene		470.00	E	1.0	0.35	ug/L
C3374-03	PZ-9	WATER	Trichloroethene		160.00	E	1.0	0.28	ug/L
C3374-03	PZ-9	WATER	Tetrachloroethene		950.00	E	1.0	0.27	ug/L
			Total Voc :			**1,666.90**			
C3374-03	PZ-9	WATER	sec-Butylbenzene	*	0.51	J	1.0	0.46	ug/L
			Total Tics :			**0.51**			
			Total Concentration:			**1,667.41**			
Client ID:	**PZ-9DL**								
C3374-03DL	PZ-9DL	WATER	Vinyl Chloride		52.00	D	20	6.8	ug/L
C3374-03DL	PZ-9DL	WATER	cis-1,2-Dichloroethene		410.00	D	20	7.0	ug/L
C3374-03DL	PZ-9DL	WATER	Trichloroethene		65.00	D	20	5.6	ug/L
C3374-03DL	PZ-9DL	WATER	Tetrachloroethene		160.00	D	20	5.4	ug/L
			Total Voc :			**687.00**			
			Total Concentration:			**687.00**			

CHEMTECH

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **CASE No.:** C3374 **SAS No.:** C3374 **SDG NO.:** C3374

Analytical Method: EPA SW846 8260

	Lab Sample ID.	Client Sample NO.	SMC1 (DCE) #	SMC2 (DBFM) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBE0819W1	VBE0819W1	110	117	105	102	0
02	BSE0819W1	BSE0819W1	120	126	110	110	0
03	C3374-06MS	PZ-7MS	115	120	108	109	0
04	C3374-07MSD	PZ-7MSD	113	120	109	109	0
05	C3374-02	TRIPBLANK	111	119	106	100	0
06	C3374-05	PZ-7	112	122	107	101	0
07	C3374-01	DUP-081111	113	120	106	101	0
08	C3374-03	PZ-9	106	120	105	102	0
09	VBE0821W1	VBE0821W1	109	120	105	101	0
10	BSE0821W1	BSE0821W1	110	121	107	111	0
11	C3374-03DL	PZ-9DL	112	121	105	101	0
12	C3374-01DL	DUP-081111DL	115	120	105	99	0
13	C3374-04	PZ-10	118	119	105	108	0
14	C3374-04DL	PZ-10DL	111	118	103	101	0
15	C3374-08	PZ-8	115	123	104	101	0

	QC LIMITS
SMC1 (DCE) = 1,2-Dichloroethane-d4	(61-141)
SMC2 (DBFM) =Dibromofluoromethane	(69-133)
SMC3 (TOL) =Toluene-d8	(65-126)
SMC4 (BFB) =4-Bromofluorobenzene	(58-135)

\# Column to be used to flag recovery values
* Values outside of contract required QC Limits

CHEMTECH

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **CASE No.:** C3374 **SAS No.:** C3374 **SDG NO.:** C3374

Analytical Method: EPA SW846 8260

	QC LIMITS
SMC1 (DCE) = 1,2-Dichloroethane-d4	(61-141)
SMC2 (DBFM) =Dibromofluoromethane	(69-133)
SMC3 (TOL) =Toluene-d8	(65-126)
SMC4 (BFB) =4-Bromofluorobenzene	(58-135)

\# Column to be used to flag recovery values
* Values outside of contract required QC Limits

CHEMTECH

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C3374 **SAS No :** C3374 **SDG No:** C3374

Matrix Spike - EPA Sample No : C3374-06 **Analytical Method:** EPA SW846 8260 **Datafile :** VE023513.D

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMITS REC
Dichlorodifluoromethane	50	0	54	108	(47-161)
Chloromethane	50	0	54	108	(53-157)
Vinyl Chloride	50	27	83	112	(57-149)
Bromomethane	50	0	73	146	(45-165)
Chloroethane	50	0	59	118	(47-166)
Trichlorofluoromethane	50	0	55	110	(51-165)
1,1,2-Trichlorotrifluoroethane	50	0	55	110	(61-145)
1,1-Dichloroethene	50	1.6	54	105	(55-148)
Acetone	250	0	230	92	(11-159)
Carbon Disulfide	50	0	55	110	(13-149)
Methyl tert-butyl Ether	50	2.4	62	119	(60-145)
Methyl Acetate	50	0	57	114	(27-167)
Methylene Chloride	50	0	59	118	(56-146)
trans-1,2-Dichloroethene	50	0	54	108	(60-141)
1,1-Dichloroethane	50	0	58	116	(61-144)
Cyclohexane	50	0	57	114	(57-142)
2-Butanone	250	0	290	116	(42-145)
Carbon Tetrachloride	50	0	59	118	(60-140)
cis-1,2-Dichloroethene	50	82	140	116	(48-156)
Chloroform	50	0	57	114	(63-140)
1,1,1-Trichloroethane	50	0	56	112	(65-140)
Methylcyclohexane	50	0	53	106	(62-128)
Benzene	50	0	55	110	(62-134)
1,2-Dichloroethane	50	0	58	116	(67-136)
Trichloroethene	50	0	52	104	(64-131)
1,2-Dichloropropane	50	0	57	114	(69-130)
Bromodichloromethane	50	0	57	114	(66-132)
4-Methyl-2-Pentanone	250	0	300	120	(57-148)
Toluene	50	0	57	114	(68-129)
t-1,3-Dichloropropene	50	0	57	114	(54-136)
cis-1,3-Dichloropropene	50	0	56	112	(56-133)
1,1,2-Trichloroethane	50	0	55	110	(68-134)
2-Hexanone	250	0	280	112	(46-158)

Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 0 Out of 0 outside limits

Spike Recovery : 10 Out of 90 outside limits

CHEMTECH

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C3374 **SAS No :** C3374 **SDG No:** C3374

Matrix Spike - EPA Sample No : C3374-06 **Analytical Method:** EPA SW846 8260 **Datafile :** VE023513.D

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMITS REC
Dibromochloromethane	50	0	52	104	(59-136)
1,2-Dibromoethane	50	0	55	110	(65-138)
Tetrachloroethene	50	0	39	78	(29-137)
Chlorobenzene	50	0	53	106	(68-126)
Ethyl Benzene	50	0	57	114	(61-131)
m/p-Xylenes	100	0	110	110	(64-125)
o-Xylene	50	0	58	116	(65-126)
Styrene	50	0	58	116	(40-140)
Bromoform	50	0	48	96	(42-134)
Isopropylbenzene	50	0	58	116	(58-132)
1,1,2,2-Tetrachloroethane	50	0	58	116	(61-136)
1,3-Dichlorobenzene	50	0	55	110	(63-125)
1,4-Dichlorobenzene	50	0	53	106	(64-124)
1,2-Dichlorobenzene	50	0	54	108	(64-126)
1,2-Dibromo-3-Chloropropane	50	0	54	108	(57-139)
1,2,4-Trichlorobenzene	50	0	50	100	(57-130)

Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 0 Out of 0 outside limits

Spike Recovery : 10 Out of 90 outside limits

CHEMTECH

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C3374 **SAS No :** C3374 **SDG No:** C3374

Matrix Spike - EPA Sample No : C3374-07 **Analytical Method:** EPA SW846 8260 **Datafile :** VE023514.D

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % (ug/L)	%	QC LIMITS RPD	REC
Dichlorodifluoromethane	50	50	100	8	20	(47-161)
Chloromethane	50	53	106	2	20	(53-157)
Vinyl Chloride	50	81	108	4	20	(57-149)
Bromomethane	50	72	144	1	20	(45-165)
Chloroethane	50	57	114	3	20	(47-166)
Trichlorofluoromethane	50	52	104	6	20	(51-165)
1,1,2-Trichlorotrifluoroethane	50	52	104	6	20	(61-145)
1,1-Dichloroethene	50	52	101	4	20	(55-148)
Acetone	250	210	84	9	20	(11-159)
Carbon Disulfide	50	52	104	6	20	(13-149)
Methyl tert-butyl Ether	50	62	119	0	20	(60-145)
Methyl Acetate	50	55	110	4	20	(27-167)
Methylene Chloride	50	55	110	7	20	(56-146)
trans-1,2-Dichloroethene	50	51	102	6	20	(60-141)
1,1-Dichloroethane	50	56	112	4	20	(61-144)
Cyclohexane	50	54	108	5	20	(57-142)
2-Butanone	250	280	112	4	20	(42-145)
Carbon Tetrachloride	50	58	116	2	20	(60-140)
cis-1,2-Dichloroethene	50	140	116	0	20	(48-156)
Chloroform	50	54	108	5	20	(63-140)
1,1,1-Trichloroethane	50	54	108	4	20	(65-140)
Methylcyclohexane	50	51	102	4	20	(62-128)
Benzene	50	54	108	2	20	(62-134)
1,2-Dichloroethane	50	56	112	4	20	(67-136)
Trichloroethene	50	52	104	0	20	(64-131)
1,2-Dichloropropane	50	56	112	2	20	(69-130)
Bromodichloromethane	50	56	112	2	20	(66-132)
4-Methyl-2-Pentanone	250	290	116	3	20	(57-148)
Toluene	50	55	110	4	20	(68-129)
t-1,3-Dichloropropene	50	55	110	4	20	(54-136)
cis-1,3-Dichloropropene	50	56	112	0	20	(56-133)
1,1,2-Trichloroethane	50	53	106	4	20	(68-134)
2-Hexanone	250	270	108	4	20	(46-158)

Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 0 Out of 90 outside limits

Spike Recovery : 18 Out of 180 outside limits

CHEMTECH

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C3374 **SAS No :** C3374 **SDG No:** C3374

Matrix Spike - EPA Sample No : C3374-07 **Analytical Method:** EPA SW846 8260 **Datafile :** VE023514.D

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % (ug/L)	%	QC LIMITS RPD	REC
Dibromochloromethane	50	49	98	6	20	(59-136)
1,2-Dibromoethane	50	53	106	4	20	(65-138)
Tetrachloroethene	50	38	76	3	20	(29-137)
Chlorobenzene	50	52	104	2	20	(68-126)
Ethyl Benzene	50	55	110	4	20	(61-131)
m/p-Xylenes	100	110	110	0	20	(64-125)
o-Xylene	50	57	114	2	20	(65-126)
Styrene	50	57	114	2	20	(40-140)
Bromoform	50	48	96	0	20	(42-134)
Isopropylbenzene	50	56	112	4	20	(58-132)
1,1,2,2-Tetrachloroethane	50	56	112	4	20	(61-136)
1,3-Dichlorobenzene	50	53	106	4	20	(63-125)
1,4-Dichlorobenzene	50	51	102	4	20	(64-124)
1,2-Dichlorobenzene	50	53	106	2	20	(64-126)
1,2-Dibromo-3-Chloropropane	50	52	104	4	20	(57-139)
1,2,4-Trichlorobenzene	50	49	98	2	20	(57-130)

Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 0 Out of 90 outside limits

Spike Recovery : 18 Out of 180 outside limits

CHEMTECH

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C3374 **SAS No :** C3374 **SDG No:** C3374

Matrix Spike - EPA Sample No : BSE0819W1 **Analytical Method:** EPA SW846 8260 **Datafile :** VE023511.D

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		23	115	(46-139)
Chloromethane	20		22	110	(58-139)
Vinyl Chloride	20		23	115	(65-137)
Bromomethane	20		28	140	(50-162)
Chloroethane	20		25	125	(54-160)
Trichlorofluoromethane	20		24	120	(67-143)
1,1,2-Trichlorotrifluoroethane	20		23	115	(71-136)
1,1-Dichloroethene	20		21	105	(69-134)
Acetone	100		110	110	(41-181)
Carbon Disulfide	20		22	110	(63-138)
Methyl tert-butyl Ether	20		26	130	(72-136)
Methyl Acetate	20		24	120	(51-158)
Methylene Chloride	20		24	120	(67-138)
trans-1,2-Dichloroethene	20		22	110	(72-132)
1,1-Dichloroethane	20		24	120	(74-135)
Cyclohexane	20		23	115	(67-132)
2-Butanone	100		120	120	(64-146)
Carbon Tetrachloride	20		24	120	(71-134)
cis-1,2-Dichloroethene	20		23	115	(74-130)
Chloroform	20		23	115	(74-134)
1,1,1-Trichloroethane	20		24	120	(74-133)
Methylcyclohexane	20		20	100	(71-125)
Benzene	20		22	110	(75-125)
1,2-Dichloroethane	20		23	115	(76-130)
Trichloroethene	20		20	100	(73-127)
1,2-Dichloropropane	20		23	115	(76-125)
Bromodichloromethane	20		23	115	(78-127)
4-Methyl-2-Pentanone	100		120	120	(71-140)
Toluene	20		22	110	(74-125)
t-1,3-Dichloropropene	20		22	110	(74-131)
cis-1,3-Dichloropropene	20		21	105	(74-128)
1,1,2-Trichloroethane	20		22	110	(75-129)
2-Hexanone	100		110	110	(62-153)
Dibromochloromethane	20		20	100	(74-131)

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 3 Out of 90 outside limits

Comments: _____

CHEMTECH

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C3374 **SAS No :** C3374 **SDG No:** C3374

Matrix Spike - EPA Sample No : BSE0819W1 **Analytical Method:** EPA SW846 8260 **Datafile :** VE023511.D

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
1,2-Dibromoethane	20		21	105	(74-129)
Tetrachloroethene	20		15	75	(46-157)
Chlorobenzene	20		21	105	(76-123)
Ethyl Benzene	20		22	110	(75-126)
m/p-Xylenes	40		43	108	(74-126)
o-Xylene	20		22	110	(73-127)
Styrene	20		22	110	(75-126)
Bromoform	20		19	95	(66-130)
Isopropylbenzene	20		22	110	(70-127)
1,1,2,2-Tetrachloroethane	20		22	110	(66-131)
1,3-Dichlorobenzene	20		21	105	(70-125)
1,4-Dichlorobenzene	20		21	105	(71-124)
1,2-Dichlorobenzene	20		21	105	(71-126)
1,2-Dibromo-3-Chloropropane	20		20	100	(62-134)
1,2,4-Trichlorobenzene	20		18	90	(62-129)

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 3 Out of 90 outside limits

Comments: _____

CHEMTECH

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C3374 **SAS No :** C3374 **SDG No:** C3374

Matrix Spike - EPA Sample No : BSE0821W1 **Analytical Method:** EPA SW846 8260 **Datafile :** VE023534.D

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		18	90	(46-139)
Chloromethane	20		19	95	(58-139)
Vinyl Chloride	20		20	100	(65-137)
Bromomethane	20		23	115	(50-162)
Chloroethane	20		23	115	(54-160)
Trichlorofluoromethane	20		22	110	(67-143)
1,1,2-Trichlorotrifluoroethane	20		21	105	(71-136)
1,1-Dichloroethene	20		19	95	(69-134)
Acetone	100		110	110	(41-181)
Carbon Disulfide	20		20	100	(63-138)
Methyl tert-butyl Ether	20		23	115	(72-136)
Methyl Acetate	20		20	100	(51-158)
Methylene Chloride	20		22	110	(67-138)
trans-1,2-Dichloroethene	20		20	100	(72-132)
1,1-Dichloroethane	20		22	110	(74-135)
Cyclohexane	20		22	110	(67-132)
2-Butanone	100		100	100	(64-146)
Carbon Tetrachloride	20		24	120	(71-134)
cis-1,2-Dichloroethene	20		21	105	(74-130)
Chloroform	20		22	110	(74-134)
1,1,1-Trichloroethane	20		22	110	(74-133)
Methylcyclohexane	20		19	95	(71-125)
Benzene	20		21	105	(75-125)
1,2-Dichloroethane	20		22	110	(76-130)
Trichloroethene	20		18	90	(73-127)
1,2-Dichloropropane	20		22	110	(76-125)
Bromodichloromethane	20		21	105	(78-127)
4-Methyl-2-Pentanone	100		100	100	(71-140)
Toluene	20		20	100	(74-125)
t-1,3-Dichloropropene	20		20	100	(74-131)
cis-1,3-Dichloropropene	20		20	100	(74-128)
1,1,2-Trichloroethane	20		19	95	(75-129)
2-Hexanone	100		99	99	(62-153)
Dibromochloromethane	20		18	90	(74-131)
1,2-Dibromoethane	20		19	95	(74-129)
Tetrachloroethene	20		17	85	(46-157)
Chlorobenzene	20		19	95	(76-123)
Ethyl Benzene	20		20	100	(75-126)
m/p-Xylenes	40		39	98	(74-126)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments:

CHEMTECH

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C3374 **SAS No :** C3374 **SDG No:** C3374

Matrix Spike - EPA Sample No : BSE0821W1 **Analytical Method:** EPA SW846 8260 **Datafile :** VE023534.D

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
o-Xylene	20		20	100	(73-127)
Styrene	20		20	100	(75-126)
Bromoform	20		17	85	(66-130)
Isopropylbenzene	20		19	95	(70-127)
1,1,2,2-Tetrachloroethane	20		18	90	(66-131)
1,3-Dichlorobenzene	20		17	85	(70-125)
1,4-Dichlorobenzene	20		17	85	(71-124)
1,2-Dichlorobenzene	20		17	85	(71-126)
1,2-Dibromo-3-Chloropropane	20		16	80	(62-134)
1,2,4-Trichlorobenzene	20		14	70	(62-129)

RPD : 0 Out of 49 outside limits

Spike Recovery : 0 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

Comments: _____

CHEMTECH

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBE0819W1

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C3374 SAS No.: C3374 SDG NO.: C3374

Lab File ID: VE023510.D Lab Sample ID: VBE0819W1

Date Analyzed: 08/19/2011 Time Analyzed: 17:27

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAE

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSE0819W1	BSE0819W1	VE023511.D	08/19/2011
PZ-7MS	C3374-06MS	VE023513.D	08/19/2011
PZ-7MSD	C3374-07MSD	VE023514.D	08/19/2011
TRIPBLANK	C3374-02	VE023518.D	08/19/2011
PZ-7	C3374-05	VE023521.D	08/19/2011
DUP-081111	C3374-01	VE023522.D	08/20/2011
PZ-9	C3374-03	VE023525.D	08/20/2011

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBE0819W1	SDG No.:	C3374
Lab Sample ID:	VBE0819W1	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023510.D	1		08/19/11	VE081911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBE0819W1	SDG No.:	C3374
Lab Sample ID:	VBE0819W1	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023510.D	1		08/19/11	VE081911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.2		61 - 141	110%	SPK: 50
1868-53-7	Dibromofluoromethane	58.6		69 - 133	117%	SPK: 50
2037-26-5	Toluene-d8	52.7		65 - 126	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		58 - 135	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	940819	9.36			
540-36-3	1,4-Difluorobenzene	1859150	10.45			
3114-55-4	Chlorobenzene-d5	1658600	14.85			
3855-82-1	1,4-Dichlorobenzene-d4	580706	18.65			

CHEMTECH

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBE0821W1

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C3374 SAS No.: C3374 SDG NO.: C3374

Lab File ID: VE023533.D Lab Sample ID: VBE0821W1

Date Analyzed: 08/21/2011 Time Analyzed: 16:47

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAE

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSE0821W1	BSE0821W1	VE023534.D	08/21/2011
PZ-9DL	C3374-03DL	VE023536.D	08/21/2011
DUP-081111DL	C3374-01DL	VE023537.D	08/21/2011
PZ-10	C3374-04	VE023538.D	08/21/2011
PZ-10DL	C3374-04DL	VE023539.D	08/21/2011
PZ-8	C3374-08	VE023540.D	08/21/2011

COMMENTS:

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBE0821W1	SDG No.:	C3374
Lab Sample ID:	VBE0821W1	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023533.D	1		08/21/11	VE082111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBE0821W1	SDG No.:	C3374
Lab Sample ID:	VBE0821W1	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	ZB-624 ID : 0.25	Level :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VE023533.D	1		08/21/11	VE082111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.5		61 - 141	109%	SPK: 50
1868-53-7	Dibromofluoromethane	59.8		69 - 133	120%	SPK: 50
2037-26-5	Toluene-d8	52.4		65 - 126	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		58 - 135	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	952122	9.36			
540-36-3	1,4-Difluorobenzene	1828290	10.46			
3114-55-4	Chlorobenzene-d5	1599350	14.85			
3855-82-1	1,4-Dichlorobenzene-d4	551085	18.66			

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C3374 SAS No.: C3374 SDG NO.: C3374

Lab File ID: VE023508.D Date Analyzed: 08/19/2011

Instrument ID: MSVOAE Time Analyzed: 16:08

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	866490	9.35	1789832	10.45	1672440	14.85
UPPER LIMIT	1732980	9.85	3579664	10.95	3344880	15.35
LOWER LIMIT	433245	8.85	894916	9.95	836220	14.35
EPA SAMPLE NO.						
BSE0819W1	874587	9.36	1779236	10.45	1604832	14.85
DUP-081111	930891	9.36	1828491	10.45	1624246	14.85
TRIPBLANK	954358	9.35	1880667	10.45	1672938	14.85
PZ-9	1035039	9.36	1927814	10.45	1707535	14.86
PZ-7	930322	9.36	1820533	10.46	1616660	14.85
PZ-7MS	885078	9.35	1790084	10.45	1617165	14.84
PZ-7MSD	918045	9.35	1824528	10.45	1639474	14.84
VBE0819W1	940819	9.36	1859151	10.45	1658600	14.85

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C3374 SAS No.: C3374 SDG NO.: C3374

Lab File ID: VE023508.D Date Analyzed: 08/19/2011

Instrument ID: MSVOAE Time Analyzed: 16:08

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	633504	18.64				
UPPER LIMIT	1267008	19.14				
LOWER LIMIT	316752	18.14				
EPA SAMPLE NO.						
BSE0819W1	599678	18.65				
DUP-081111	570338	18.65				
TRIPBLANK	595080	18.65				
PZ-9	617346	18.65				
PZ-7	570840	18.65				
PZ-7MS	603163	18.64				
PZ-7MSD	615688	18.64				
VBE0819W1	580706	18.65				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C3374 SAS No.: C3374 SDG NO.: C3374

Lab File ID: VE023531.D Date Analyzed: 08/21/2011

Instrument ID: MSVOAE Time Analyzed: 15:28

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	923355	9.35	1789738	10.45	1555521	14.85
UPPER LIMIT	1846710	9.85	3579476	10.95	3111042	15.35
LOWER LIMIT	461677.5	8.85	894869	9.95	777760.5	14.35
EPA SAMPLE NO.						
BSE0821W1	917404	9.36	1803307	10.45	1620090	14.86
DUP-081111DL	806198	9.37	1605223	10.46	1396722	14.86
PZ-9DL	915709	9.37	1753541	10.45	1533874	14.86
PZ-10	769326	9.37	1534870	10.46	1350397	14.87
PZ-10DL	802527	9.37	1575199	10.46	1368816	14.86
PZ-8	760587	9.37	1500450	10.45	1303922	14.87
VBE0821W1	952122	9.36	1828286	10.46	1599353	14.85

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C3374 SAS No.: C3374 SDG NO.: C3374

Lab File ID: VE023531.D Date Analyzed: 08/21/2011

Instrument ID: MSVOAE Time Analyzed: 15:28

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	558400	18.65				
UPPER LIMIT	1116800	19.15				
LOWER LIMIT	279200	18.15				
EPA SAMPLE NO.						
BSE0821W1	632297	18.65				
DUP-081111DL	471424	18.67				
PZ-9DL	524518	18.66				
PZ-10	508209	18.66				
PZ-10DL	480758	18.66				
PZ-8	447050	18.66				
VBE0821W1	551085	18.66				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	DUP-081111	SDG No.:	C3374
Lab Sample ID:	C3374-01	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048045.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10	U	0.79	10	ug/L
108-95-2	Phenol	10	U	0.22	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.57	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.56	10	ug/L
95-48-7	2-Methylphenol	10	U	0.25	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.18	10	ug/L
98-86-2	Acetophenone	10	U	0.14	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.39	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.21	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	10	ug/L
98-95-3	Nitrobenzene	10	U	0.7	10	ug/L
78-59-1	Isophorone	10	U	0.31	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.54	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.73	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.57	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.68	10	ug/L
91-20-3	Naphthalene	10	U	0.12	10	ug/L
106-47-8	4-Chloroaniline	10	U	2.9	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	10	ug/L
105-60-2	Caprolactam	10	U	2.1	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.41	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.25	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.58	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.41	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.15	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.16	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.51	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.23	10	ug/L
208-96-8	Acenaphthylene	10	U	0.72	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	DUP-081111	SDG No.:	C3374
Lab Sample ID:	C3374-01	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048045.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10	U	1.1	10	ug/L
83-32-9	Acenaphthene	10	U	0.22	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.2	10	ug/L
100-02-7	4-Nitrophenol	10	U	2.1	10	ug/L
132-64-9	Dibenzofuran	10	U	0.25	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	10	ug/L
84-66-2	Diethylphthalate	10	U	0.39	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.22	10	ug/L
86-73-7	Fluorene	10	U	0.32	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.76	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.62	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.24	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.19	10	ug/L
1912-24-9	Atrazine	10	U	0.41	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	10	ug/L
120-12-7	Anthracene	10	U	0.16	10	ug/L
86-74-8	Carbazole	10	U	0.23	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2.1	10	ug/L
206-44-0	Fluoranthene	10	U	0.41	10	ug/L
129-00-0	Pyrene	10	U	0.21	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.2	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2.1	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	10	ug/L
218-01-9	Chrysene	10	U	0.19	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.16	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.53	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.19	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.15	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.43	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	DUP-081111	SDG No.:	C3374
Lab Sample ID:	C3374-01	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048045.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	45.3		10 - 130	30%	SPK: 150
13127-88-3	Phenol-d5	30.2		10 - 130	20%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.8		36 - 131	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.2		39 - 131	87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		25 - 155	88%	SPK: 150
1718-51-0	Terphenyl-d14	72		23 - 130	72%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	74697	3.9			
1146-65-2	Naphthalene-d8	285183	5.39			
15067-26-2	Acenaphthene-d10	147874	7.94			
1517-22-2	Phenanthrene-d10	227018	10.01			
1719-03-5	Chrysene-d12	205752	13.29			
1520-96-3	Perylene-d12	194403	14.89			
TENTATIVE IDENTIFIED COMPOUNDS						
79-01-6	Trichloroethylene	22	J		1.21	ug/L
127-18-4	Tetrachloroethylene	220	J		2.06	ug/L
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.4	AB		2.35	ug/L
65-85-0	Benzoic acid	13	J		5.19	ug/L
57-10-3	n-Hexadecanoic acid	16	J		10.92	ug/L
57-11-4	Octadecanoic acid	42	J		11.91	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-9	SDG No.:	C3374
Lab Sample ID:	C3374-03	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048046.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10	U	0.79	10	ug/L
108-95-2	Phenol	10	U	0.21	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.56	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.55	10	ug/L
95-48-7	2-Methylphenol	10	U	0.24	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.17	10	ug/L
98-86-2	Acetophenone	10	U	0.14	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.39	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.2	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	10	ug/L
98-95-3	Nitrobenzene	10	U	0.69	10	ug/L
78-59-1	Isophorone	10	U	0.31	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.53	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.72	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.56	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.67	10	ug/L
91-20-3	Naphthalene	10	U	0.12	10	ug/L
106-47-8	4-Chloroaniline	10	U	2.9	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	10	ug/L
105-60-2	Caprolactam	10	U	2	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.41	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.24	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.57	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.41	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.15	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.16	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.5	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.22	10	ug/L
208-96-8	Acenaphthylene	10	U	0.71	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-9	SDG No.:	C3374
Lab Sample ID:	C3374-03	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048046.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10	U	1.1	10	ug/L
83-32-9	Acenaphthene	10	U	0.21	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.1	10	ug/L
100-02-7	4-Nitrophenol	10	U	2	10	ug/L
132-64-9	Dibenzofuran	10	U	0.24	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	10	ug/L
84-66-2	Diethylphthalate	10	U	0.39	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.21	10	ug/L
86-73-7	Fluorene	10	U	0.32	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.76	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.61	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.23	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.18	10	ug/L
1912-24-9	Atrazine	10	U	0.41	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	10	ug/L
120-12-7	Anthracene	10	U	0.16	10	ug/L
86-74-8	Carbazole	10	U	0.22	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2	10	ug/L
206-44-0	Fluoranthene	10	U	0.41	10	ug/L
129-00-0	Pyrene	10	U	0.2	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.19	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	10	ug/L
218-01-9	Chrysene	10	U	0.18	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.16	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.52	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.18	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.15	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.43	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-9	SDG No.:	C3374
Lab Sample ID:	C3374-03	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048046.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	48		10 - 130	32%	SPK: 150
13127-88-3	Phenol-d5	31.6		10 - 130	21%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.6		36 - 131	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.8		39 - 131	91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		25 - 155	91%	SPK: 150
1718-51-0	Terphenyl-d14	73.3		23 - 130	73%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	73156	3.9			
1146-65-2	Naphthalene-d8	281195	5.39			
15067-26-2	Acenaphthene-d10	142241	7.94			
1517-22-2	Phenanthrene-d10	219833	10.01			
1719-03-5	Chrysene-d12	207974	13.29			
1520-96-3	Perylene-d12	194460	14.89			
TENTATIVE IDENTIFIED COMPOUNDS						
79-01-6	Trichloroethylene	22	J		1.21	ug/L
127-18-4	Tetrachloroethylene	230	J		2.06	ug/L
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.6	AB		2.35	ug/L
65-85-0	Benzoic acid	4.6	J		5.17	ug/L
57-10-3	n-Hexadecanoic acid	12	J		10.92	ug/L
57-11-4	Octadecanoic acid	52	J		11.91	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-10	SDG No.:	C3374
Lab Sample ID:	C3374-04	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048047.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10	U	0.78	10	ug/L
108-95-2	Phenol	10	U	0.21	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.56	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.55	10	ug/L
95-48-7	2-Methylphenol	10	U	0.24	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.17	10	ug/L
98-86-2	Acetophenone	10	U	0.14	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.38	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.2	10	ug/L
67-72-1	Hexachloroethane	10	U	0.25	10	ug/L
98-95-3	Nitrobenzene	10	U	0.69	10	ug/L
78-59-1	Isophorone	10	U	0.3	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.53	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.72	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.56	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.67	10	ug/L
91-20-3	Naphthalene	10	U	0.12	10	ug/L
106-47-8	4-Chloroaniline	10	U	2.9	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.25	10	ug/L
105-60-2	Caprolactam	10	U	2	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.4	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.32	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.24	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.57	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.4	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.15	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.16	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.49	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.22	10	ug/L
208-96-8	Acenaphthylene	10	U	0.71	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.32	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-10	SDG No.:	C3374
Lab Sample ID:	C3374-04	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048047.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10	U	1.1	10	ug/L
83-32-9	Acenaphthene	10	U	0.21	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.1	10	ug/L
100-02-7	4-Nitrophenol	10	U	2	10	ug/L
132-64-9	Dibenzofuran	10	U	0.24	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1	10	ug/L
84-66-2	Diethylphthalate	10	U	0.38	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.21	10	ug/L
86-73-7	Fluorene	10	U	0.31	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.75	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.61	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.23	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.18	10	ug/L
1912-24-9	Atrazine	10	U	0.4	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.7	10	ug/L
85-01-8	Phenanthrene	10	U	0.26	10	ug/L
120-12-7	Anthracene	10	U	0.16	10	ug/L
86-74-8	Carbazole	10	U	0.22	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2	10	ug/L
206-44-0	Fluoranthene	10	U	0.4	10	ug/L
129-00-0	Pyrene	10	U	0.2	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.19	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	10	ug/L
218-01-9	Chrysene	10	U	0.18	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	4.1	J	0.16	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.52	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.29	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.18	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.15	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.42	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-10	SDG No.:	C3374
Lab Sample ID:	C3374-04	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048047.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.29	10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	22.2		10 - 130	15%	SPK: 150
13127-88-3	Phenol-d5	14.2	*	10 - 130	9%	SPK: 150
4165-60-0	Nitrobenzene-d5	49.1		36 - 131	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	54		39 - 131	54%	SPK: 100
118-79-6	2,4,6-Tribromophenol	69.8		25 - 155	47%	SPK: 150
1718-51-0	Terphenyl-d14	44.7		23 - 130	45%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	74681	3.9			
1146-65-2	Naphthalene-d8	296013	5.39			
15067-26-2	Acenaphthene-d10	155399	7.94			
1517-22-2	Phenanthrene-d10	233419	10.01			
1719-03-5	Chrysene-d12	224458	13.29			
1520-96-3	Perylene-d12	209366	14.89			
TENTATIVE IDENTIFIED COMPOUNDS						
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.1	AB		2.36	ug/L
6236-88-0	Cyclohexane, 1-ethyl-4-methyl-, tr	5.6	J		2.98	ug/L
4442-79-9	Cyclohexaneethanol	7.5	J		3.09	ug/L
98-82-8	Benzene, (1-methylethyl)-	9.8	J		3.11	ug/L
1678-92-8	Cyclohexane, propyl-	12	J		3.19	ug/L
14676-29-0	Heptane, 3-ethyl-2-methyl-	4.8	J		3.25	ug/L
103-65-1	Benzene, propyl-	24	J		3.37	ug/L
6783-92-2	Cyclohexane, 1,1,2,3-tetramethyl-	7.1	J		3.43	ug/L
108-67-8	Benzene, 1,3,5-trimethyl-	7.5	J		3.73	ug/L
538-93-2	Benzene, (2-methylpropyl)-	8.4	J		3.85	ug/L
2847-72-5	Decane, 4-methyl-	4.7	J		3.96	ug/L
	unknown4.01	4.7	J		4.01	ug/L
141-93-5	Benzene, 1,3-diethyl-	14	J		4.19	ug/L
62690-65-7	Naphthalene, 1,2,3,5,8,8a-hexahydr	9.0	J		4.26	ug/L
135-01-3	Benzene, 1,2-diethyl-	5.1	J		4.28	ug/L
91-17-8	Naphthalene, decahydro-	5.7	J		4.31	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-10	SDG No.:	C3374
Lab Sample ID:	C3374-04	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048047.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
488-23-3	Benzene, 1,2,3,4-tetramethyl-	14	J		4.79	ug/L
824-90-8	1-Phenyl-1-butene	4.6	J		5	ug/L
527-53-7	Benzene, 1,2,3,5-tetramethyl-	14	J		5.09	ug/L
10544-50-0	Cyclic octaatomic sulfur	24	J		11.53	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-7	SDG No.:	C3374
Lab Sample ID:	C3374-05	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048051.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10	U	0.8	10	ug/L
108-95-2	Phenol	10	U	0.22	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.57	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.56	10	ug/L
95-48-7	2-Methylphenol	10	U	0.25	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.18	10	ug/L
98-86-2	Acetophenone	10	U	0.15	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.4	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.21	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	10	ug/L
98-95-3	Nitrobenzene	10	U	0.71	10	ug/L
78-59-1	Isophorone	10	U	0.31	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.54	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.74	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.57	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.69	10	ug/L
91-20-3	Naphthalene	10	U	0.12	10	ug/L
106-47-8	4-Chloroaniline	10	U	3	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	10	ug/L
105-60-2	Caprolactam	10	U	2.1	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.42	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.25	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.58	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.42	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.16	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.17	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.51	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.23	10	ug/L
208-96-8	Acenaphthylene	10	U	0.73	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-7	SDG No.:	C3374
Lab Sample ID:	C3374-05	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048051.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10	U	1.1	10	ug/L
83-32-9	Acenaphthene	10	U	0.22	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.2	10	ug/L
100-02-7	4-Nitrophenol	10	U	2.1	10	ug/L
132-64-9	Dibenzofuran	10	U	0.25	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	10	ug/L
84-66-2	Diethylphthalate	10	U	0.4	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.22	10	ug/L
86-73-7	Fluorene	10	U	0.32	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.77	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.62	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.24	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.19	10	ug/L
1912-24-9	Atrazine	10	U	0.42	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	10	ug/L
120-12-7	Anthracene	10	U	0.17	10	ug/L
86-74-8	Carbazole	10	U	0.23	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2.1	10	ug/L
206-44-0	Fluoranthene	10	U	0.42	10	ug/L
129-00-0	Pyrene	10	U	0.21	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.2	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2.1	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.17	10	ug/L
218-01-9	Chrysene	10	U	0.19	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.17	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.53	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.19	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.15	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.16	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.44	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-7	SDG No.:	C3374
Lab Sample ID:	C3374-05	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048051.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	42.3		10 - 130	28%	SPK: 150
13127-88-3	Phenol-d5	27.6		10 - 130	18%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.8		36 - 131	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.3		39 - 131	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		25 - 155	88%	SPK: 150
1718-51-0	Terphenyl-d14	71.1		23 - 130	71%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	75633	3.9			
1146-65-2	Naphthalene-d8	292553	5.39			
15067-26-2	Acenaphthene-d10	147648	7.94			
1517-22-2	Phenanthrene-d10	224298	10.01			
1719-03-5	Chrysene-d12	209483	13.29			
1520-96-3	Perylene-d12	193242	14.89			
TENTATIVE IDENTIFIED COMPOUNDS						
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	6.9	AB		2.35	ug/L
615-22-5	Benzothiazole, 2-(methylthio)-	2.1	J		8.87	ug/L
57-10-3	n-Hexadecanoic acid	2.9	J		10.92	ug/L
57-11-4	Octadecanoic acid	9.8	J		11.9	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-8	SDG No.:	C3374
Lab Sample ID:	C3374-08	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048054.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10	U	0.79	10	ug/L
108-95-2	Phenol	10	U	0.22	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.57	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.56	10	ug/L
95-48-7	2-Methylphenol	10	U	0.25	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.18	10	ug/L
98-86-2	Acetophenone	10	U	0.14	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.39	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.21	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	10	ug/L
98-95-3	Nitrobenzene	10	U	0.7	10	ug/L
78-59-1	Isophorone	10	U	0.31	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.54	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.73	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.57	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.68	10	ug/L
91-20-3	Naphthalene	10	U	0.12	10	ug/L
106-47-8	4-Chloroaniline	10	U	2.9	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	10	ug/L
105-60-2	Caprolactam	10	U	2.1	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.41	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.25	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.58	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.41	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.15	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.16	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.51	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.23	10	ug/L
208-96-8	Acenaphthylene	10	U	0.72	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-8	SDG No.:	C3374
Lab Sample ID:	C3374-08	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048054.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10	U	1.1	10	ug/L
83-32-9	Acenaphthene	10	U	0.22	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.2	10	ug/L
100-02-7	4-Nitrophenol	10	U	2.1	10	ug/L
132-64-9	Dibenzofuran	10	U	0.25	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	10	ug/L
84-66-2	Diethylphthalate	10	U	0.39	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.22	10	ug/L
86-73-7	Fluorene	10	U	0.32	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.76	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.62	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.24	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.19	10	ug/L
1912-24-9	Atrazine	10	U	0.41	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	10	ug/L
120-12-7	Anthracene	10	U	0.16	10	ug/L
86-74-8	Carbazole	10	U	0.23	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2.1	10	ug/L
206-44-0	Fluoranthene	10	U	0.41	10	ug/L
129-00-0	Pyrene	10	U	0.21	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.2	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2.1	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	10	ug/L
218-01-9	Chrysene	10	U	0.19	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.16	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.53	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.19	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.15	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.43	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/12/11
Client Sample ID:	PZ-8	SDG No.:	C3374
Lab Sample ID:	C3374-08	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048054.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	44.6		10 - 130	30%	SPK: 150
13127-88-3	Phenol-d5	28.5		10 - 130	19%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.1		36 - 131	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	87		39 - 131	87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	130		25 - 155	87%	SPK: 150
1718-51-0	Terphenyl-d14	79.4		23 - 130	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	72786	3.9			
1146-65-2	Naphthalene-d8	280340	5.39			
15067-26-2	Acenaphthene-d10	143896	7.94			
1517-22-2	Phenanthrene-d10	214708	10.01			
1719-03-5	Chrysene-d12	209780	13.29			
1520-96-3	Perylene-d12	193450	14.89			
TENTATIVE IDENTIFIED COMPOUNDS						
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.0	AB		2.35	ug/L
615-22-5	Benzothiazole, 2-(methylthio)-	2.3	J		8.87	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C3374

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
Client ID:	**DUP-081111**								
C3374-01	DUP-081111	WATER	Vinyl Chloride		80.00		1.0	0.34	ug/L
C3374-01	DUP-081111	WATER	1,1-Dichloroethene		3.10		1.0	0.47	ug/L
C3374-01	DUP-081111	WATER	trans-1,2-Dichloroethene		7.70		1.0	0.41	ug/L
C3374-01	DUP-081111	WATER	cis-1,2-Dichloroethene		510.00	E	1.0	0.35	ug/L
C3374-01	DUP-081111	WATER	Trichloroethene		160.00	E	1.0	0.28	ug/L
C3374-01	DUP-081111	WATER	Tetrachloroethene		980.00	E	1.0	0.27	ug/L
			Total Voc :			**1,740.80**			
			Total Concentration:			**1,740.80**			
Client ID:	**DUP-081111DL**								
C3374-01DL	DUP-081111DL	WATER	Vinyl Chloride		45.00	D	20	6.8	ug/L
C3374-01DL	DUP-081111DL	WATER	cis-1,2-Dichloroethene		370.00	D	20	7.0	ug/L
C3374-01DL	DUP-081111DL	WATER	Trichloroethene		72.00	D	20	5.6	ug/L
C3374-01DL	DUP-081111DL	WATER	Tetrachloroethene		260.00	D	20	5.4	ug/L
			Total Voc :			**747.00**			
			Total Concentration:			**747.00**			
Client ID:	**PZ-10**								
C3374-04	PZ-10	WATER	Vinyl Chloride		150.00		1.0	0.34	ug/L
C3374-04	PZ-10	WATER	1,1-Dichloroethene		0.53	J	1.0	0.47	ug/L
C3374-04	PZ-10	WATER	trans-1,2-Dichloroethene		7.60		1.0	0.41	ug/L
C3374-04	PZ-10	WATER	cis-1,2-Dichloroethene		250.00	E	1.0	0.35	ug/L
C3374-04	PZ-10	WATER	Methylcyclohexane		1.10		1.0	0.20	ug/L
C3374-04	PZ-10	WATER	Benzene		0.55	J	1.0	0.32	ug/L
C3374-04	PZ-10	WATER	Ethyl Benzene		1.20		1.0	0.20	ug/L
C3374-04	PZ-10	WATER	Isopropylbenzene		18.00		1.0	0.45	ug/L
			Total Voc :			**428.98**			
C3374-04	PZ-10	WATER	n-propylbenzene	*	47.00	J	1.0	0.45	ug/L
C3374-04	PZ-10	WATER	tert-Butylbenzene	*	3.90	J	1.0	0.44	ug/L
C3374-04	PZ-10	WATER	1,2,4-Trimethylbenzene	*	12.00	J	1.0	0.38	ug/L
C3374-04	PZ-10	WATER	sec-Butylbenzene	*	23.00	J	1.0	0.46	ug/L
C3374-04	PZ-10	WATER	p-Isopropyltoluene	*	1.10	J	1.0	0.43	ug/L
C3374-04	PZ-10	WATER	n-Butylbenzene	*	14.00	J	1.0	0.41	ug/L
C3374-04	PZ-10	WATER	Benzene, 1,2,4,5-tetramethyl-	*	21.00	J	0	0	ug/L
C3374-04	PZ-10	WATER	Benzene, 1-methyl-4-(1-methylet	*	34.00	J	0	0	ug/L
C3374-04	PZ-10	WATER	Benzene, 1,2-diethyl-	*	9.00	J	0	0	ug/L
C3374-04	PZ-10	WATER	Benzene, 1,3-diethyl-	*	19.00	J	0	0	ug/L
C3374-04	PZ-10	WATER	Benzene, 1-methyl-2-(1-methylet	*	7.50	J	0	0	ug/L
C3374-04	PZ-10	WATER	Benzene, (2-methylpropyl)-	*	8.70	J	0	0	ug/L
C3374-04	PZ-10	WATER	Indan, 1-methyl-	*	41.00	J	0	0	ug/L

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C3374

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
C3374-04	PZ-10	WATER	Benzene, 1-ethyl-3,5-dimethyl-	*	25.00	J	0	0	ug/L
C3374-04	PZ-10	WATER	Benzene, 2-butenyl-	*	6.70	J	0	0	ug/L
C3374-04	PZ-10	WATER	Bicyclo[3.2.1]octane	*	11.00	J	0	0	ug/L
			Total Tics :			**283.90**			
			Total Concentration:			**712.88**			
Client ID:	**PZ-10DL**								
C3374-04DL	PZ-10DL	WATER	Vinyl Chloride		110.00	D	10	3.4	ug/L
C3374-04DL	PZ-10DL	WATER	trans-1,2-Dichloroethene		7.40	JD	10	4.1	ug/L
C3374-04DL	PZ-10DL	WATER	cis-1,2-Dichloroethene		240.00	D	10	3.5	ug/L
C3374-04DL	PZ-10DL	WATER	Isopropylbenzene		5.30	JD	10	4.5	ug/L
			Total Voc :			**362.70**			
			Total Concentration:			**362.70**			
Client ID:	**PZ-7**								
C3374-05	PZ-7	WATER	Vinyl Chloride		27.00		1.0	0.34	ug/L
C3374-05	PZ-7	WATER	1,1-Dichloroethene		1.60		1.0	0.47	ug/L
C3374-05	PZ-7	WATER	Methyl tert-butyl Ether		2.40		1.0	0.35	ug/L
C3374-05	PZ-7	WATER	cis-1,2-Dichloroethene		82.00		1.0	0.35	ug/L
			Total Voc :			**113.00**			
			Total Concentration:			**113.00**			
Client ID:	**PZ-8**								
C3374-08	PZ-8	WATER	Methyl tert-butyl Ether		2.80		1.0	0.35	ug/L
			Total Voc :			**2.80**			
			Total Concentration:			**2.80**			
Client ID:	**PZ-9**								
C3374-03	PZ-9	WATER	Vinyl Chloride		76.00		1.0	0.34	ug/L
C3374-03	PZ-9	WATER	1,1-Dichloroethene		3.20		1.0	0.47	ug/L
C3374-03	PZ-9	WATER	trans-1,2-Dichloroethene		7.70		1.0	0.41	ug/L
C3374-03	PZ-9	WATER	cis-1,2-Dichloroethene		470.00	E	1.0	0.35	ug/L
C3374-03	PZ-9	WATER	Trichloroethene		160.00	E	1.0	0.28	ug/L
C3374-03	PZ-9	WATER	Tetrachloroethene		950.00	E	1.0	0.27	ug/L
			Total Voc :			**1,666.90**			
C3374-03	PZ-9	WATER	sec-Butylbenzene	*	0.51	J	1.0	0.46	ug/L
			Total Tics :			**0.51**			
			Total Concentration:			**1,667.41**			
Client ID:	**PZ-9DL**								
C3374-03DL	PZ-9DL	WATER	Vinyl Chloride		52.00	D	20	6.8	ug/L
C3374-03DL	PZ-9DL	WATER	cis-1,2-Dichloroethene		410.00	D	20	7.0	ug/L
C3374-03DL	PZ-9DL	WATER	Trichloroethene		65.00	D	20	5.6	ug/L
C3374-03DL	PZ-9DL	WATER	Tetrachloroethene		160.00	D	20	5.4	ug/L
			Total Voc :			**687.00**			
			Total Concentration:			**687.00**			

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C3374

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID	Parameter	Concentration	C	RDL	MDL	Units

CHEMTECH

Surrogate Summary

SW-846

SDG No.: C3374

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
C3374-01	DUP-081111	2-Fluorophenol	150	45.28	30		10	130
		Phenol-d5	150	30.22	20		10	130
		Nitrobenzene-d5	100	89.82	90		36	131
		2-Fluorobiphenyl	100	87.16	87		39	131
		2,4,6-Tribromophenol	150	132.69	88		25	155
		Terphenyl-d14	100	71.98	72		23	130
C3374-03	PZ-9	2-Fluorophenol	150	48.01	32		10	130
		Phenol-d5	150	31.59	21		10	130
		Nitrobenzene-d5	100	90.61	91		36	131
		2-Fluorobiphenyl	100	90.75	91		39	131
		2,4,6-Tribromophenol	150	135.82	91		25	155
		Terphenyl-d14	100	73.31	73		23	130
C3374-04	PZ-10	2-Fluorophenol	150	22.22	15		10	130
		Phenol-d5	150	14.24	9	*	10	130
		Nitrobenzene-d5	100	49.12	49		36	131
		2-Fluorobiphenyl	100	53.96	54		39	131
		2,4,6-Tribromophenol	150	69.82	47		25	155
		Terphenyl-d14	100	44.74	45		23	130
C3374-05	PZ-7	2-Fluorophenol	150	42.32	28		10	130
		Phenol-d5	150	27.56	18		10	130
		Nitrobenzene-d5	100	85.75	86		36	131
		2-Fluorobiphenyl	100	86.26	86		39	131
		2,4,6-Tribromophenol	150	132.39	88		25	155
		Terphenyl-d14	100	71.11	71		23	130
C3374-06MS	PZ-7MS	2-Fluorophenol	150	51.31	34		10	130
		Phenol-d5	150	33.03	22		10	130
		Nitrobenzene-d5	100	88.92	89		36	131
		2-Fluorobiphenyl	100	88.30	88		39	131
		2,4,6-Tribromophenol	150	133.96	89		25	155
		Terphenyl-d14	100	80.94	81		23	130
C3374-07MSD	PZ-7MSD	2-Fluorophenol	150	51.00	34		10	130
		Phenol-d5	150	32.83	22		10	130
		Nitrobenzene-d5	100	91.67	92		36	131
		2-Fluorobiphenyl	100	89.96	90		39	131
		2,4,6-Tribromophenol	150	136.45	91		25	155
		Terphenyl-d14	100	81.12	81		23	130
C3374-08	PZ-8	2-Fluorophenol	150	44.55	30		10	130
		Phenol-d5	150	28.53	19		10	130
		Nitrobenzene-d5	100	89.07	89		36	131
		2-Fluorobiphenyl	100	86.96	87		39	131
		2,4,6-Tribromophenol	150	130.81	87		25	155
		Terphenyl-d14	100	79.38	79		23	130
PB57413B	PB57413B	2-Fluorophenol	150	49.10	33		10	130
		Phenol-d5	150	33.98	23		10	130
		Nitrobenzene-d5	100	87.38	87		36	131
		2-Fluorobiphenyl	100	84.52	85		39	131
		2,4,6-Tribromophenol	150	128.96	86		25	155
		Terphenyl-d14	100	85.39	85		23	130
PB57413BS	PB57413BS	2-Fluorophenol	150	50.76	34		10	130
		Phenol-d5	150	32.86	22		10	130
		Nitrobenzene-d5	100	92.85	93		36	131
		2-Fluorobiphenyl	100	91.14	91		39	131

CHEMTECH

Surrogate Summary

SW-846

SDG No.: C3374

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB57413BS	PB57413BS	2,4,6-Tribromophenol	150	140.66	94		25	155
		Terphenyl-d14	100	95.98	96		23	130

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: C3374

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: C3374-06MS	**Client Sample ID: PZ-7MS**									
Benzaldehyde	50	0	27	54				10	137	
Phenol	50	0	13	26				10	130	
bis(2-Chloroethyl)ether	50	0	43	86				29	141	
2-Chlorophenol	50	0	34	68				23	127	
2-Methylphenol	50	0	27	54				14	118	
2,2-oxybis(1-Chloropropane)	50	0	43	86				36	141	
Acetophenone	50	0	47	94				31	164	
3+4-Methylphenols	50	0	24	48				12	109	
N-Nitroso-di-n-propylamine	50	0	44	88				36	147	
Hexachloroethane	50	0	38	76				19	149	
Nitrobenzene	50	0	45	90				30	150	
Isophorone	50	0	45	90				39	146	
2-Nitrophenol	50	0	44	88				30	148	
2,4-Dimethylphenol	50	0	39	78				17	143	
bis(2-Chloroethoxy)methane	50	0	45	90				39	143	
2,4-Dichlorophenol	50	0	41	82				22	146	
Naphthalene	50	0	43	86				17	157	
4-Chloroaniline	50	0	32	64				10	95	
Hexachlorobutadiene	50	0	40	80				20	150	
Caprolactam	50	0	7.8	16				10	130	
4-Chloro-3-methylphenol	50	0	38	76				17	148	
2-Methylnaphthalene	50	0	46	92				38	146	
Hexachlorocyclopentadiene	100	0	84	84				20	153	
2,4,6-Trichlorophenol	50	0	44	88				24	155	
2,4,5-Trichlorophenol	50	0	43	86				26	154	
1,1-Biphenyl	50	0	44	88				38	154	
2-Chloronaphthalene	50	0	44	88				41	145	
2-Nitroaniline	50	0	44	88				39	151	
Dimethylphthalate	50	0	45	90				42	147	
Acenaphthylene	50	0	44	88				40	141	
2,6-Dinitrotoluene	50	0	45	90				43	148	
3-Nitroaniline	50	0	32	64				10	111	
Acenaphthene	50	0	45	90				37	146	
2,4-Dinitrophenol	100	0	100	100				14	167	
4-Nitrophenol	100	0	28	28				10	130	
Dibenzofuran	50	0	44	88				41	145	
2,4-Dinitrotoluene	50	0	47	94				41	152	
Diethylphthalate	50	0	46	92				41	148	
4-Chlorophenyl-phenylether	50	0	45	90				38	149	
Fluorene	50	0	45	90				39	144	
4-Nitroaniline	50	0	42	84				27	138	
4,6-Dinitro-2-methylphenol	50	0	53	106				32	175	
N-Nitrosodiphenylamine	50	0	47	94				40	150	
4-Bromophenyl-phenylether	50	0	46	92				42	151	
Hexachlorobenzene	50	0	46	92				33	154	
Atrazine	50	0	64	128				20	162	
Pentachlorophenol	100	0	96	96				28	171	
Phenanthrene	50	0	46	92				40	147	

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: C3374

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Anthracene	50	0	46	92				41	146	
Carbazole	50	0	47	94				37	154	
Di-n-butylphthalate	50	0	47	94				40	151	
Fluoranthene	50	0	46	92				42	146	
Pyrene	50	0	45	90				41	149	
Butylbenzylphthalate	50	0	45	90				39	155	
3,3-Dichlorobenzidine	50	0	32	64				10	114	
Benzo(a)anthracene	50	0	45	90				41	147	
Chrysene	50	0	45	90				44	144	
bis(2-Ethylhexyl)phthalate	50	0	46	92				33	160	
Di-n-octyl phthalate	50	0	45	90				36	158	
Benzo(b)fluoranthene	50	0	45	90				40	150	
Benzo(k)fluoranthene	50	0	47	94				40	147	
Benzo(a)pyrene	50	0	46	92				42	147	
Indeno(1,2,3-cd)pyrene	50	0	46	92				30	166	
Dibenz(a,h)anthracene	50	0	47	94				23	172	
Benzo(g,h,i)perylene	50	0	47	94				27	167	

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: C3374

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: C3374-07MSD	**Client Sample ID: PZ-7MSD**									
Benzaldehyde	50	0	28	56		4		10	137	20
Phenol	50	0	11	22		17		10	130	20
bis(2-Chloroethyl)ether	50	0	46	92		7		29	141	20
2-Chlorophenol	50	0	36	72		6		23	127	20
2-Methylphenol	50	0	29	58		7		14	118	20
2,2-oxybis(1-Chloropropane)	50	0	45	90		5		36	141	20
Acetophenone	50	0	49	98		4		31	164	20
3+4-Methylphenols	50	0	24	48		0		12	109	20
N-Nitroso-di-n-propylamine	50	0	45	90		2		36	147	20
Hexachloroethane	50	0	41	82		8		19	149	20
Nitrobenzene	50	0	47	94		4		30	150	20
Isophorone	50	0	47	94		4		39	146	20
2-Nitrophenol	50	0	46	92		4		30	148	20
2,4-Dimethylphenol	50	0	40	80		3		17	143	20
bis(2-Chloroethoxy)methane	50	0	48	96		6		39	143	20
2,4-Dichlorophenol	50	0	43	86		5		22	146	20
Naphthalene	50	0	46	92		7		17	157	20
4-Chloroaniline	50	0	34	68		6		10	95	20
Hexachlorobutadiene	50	0	44	88		10		20	150	20
Caprolactam	50	0	7.8	16		0		10	130	20
4-Chloro-3-methylphenol	50	0	40	80		5		17	148	20
2-Methylnaphthalene	50	0	48	96		4		38	146	20
Hexachlorocyclopentadiene	100	0	93	93		10		20	153	20
2,4,6-Trichlorophenol	50	0	46	92		4		24	155	20
2,4,5-Trichlorophenol	50	0	45	90		5		26	154	20
1,1-Biphenyl	50	0	48	96		9		38	154	20
2-Chloronaphthalene	50	0	47	94		7		41	145	20
2-Nitroaniline	50	0	47	94		7		39	151	20
Dimethylphthalate	50	0	48	96		6		42	147	20
Acenaphthylene	50	0	48	96		9		40	141	20
2,6-Dinitrotoluene	50	0	47	94		4		43	148	20
3-Nitroaniline	50	0	34	68		6		10	111	20
Acenaphthene	50	0	47	94		4		37	146	20
2,4-Dinitrophenol	100	0	110	110		10		14	167	20
4-Nitrophenol	100	0	31	31		10		10	130	20
Dibenzofuran	50	0	47	94		7		41	145	20
2,4-Dinitrotoluene	50	0	50	100		6		41	152	20
Diethylphthalate	50	0	52	104		12		41	148	20
4-Chlorophenyl-phenylether	50	0	48	96		6		38	149	20
Fluorene	50	0	49	98		9		39	144	20
4-Nitroaniline	50	0	46	92		9		27	138	20
4,6-Dinitro-2-methylphenol	50	0	57	114		7		32	175	20
N-Nitrosodiphenylamine	50	0	49	98		4		40	150	20
4-Bromophenyl-phenylether	50	0	49	98		6		42	151	20
Hexachlorobenzene	50	0	49	98		6		33	154	20
Atrazine	50	0	77	154		18		20	162	20
Pentachlorophenol	100	0	100	100		4		28	171	20
Phenanthrene	50	0	49	98		6		40	147	20

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: C3374

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Anthracene	50	0	49	98		6		41	146	20
Carbazole	50	0	50	100		6		37	154	20
Di-n-butylphthalate	50	0	50	100		6		40	151	20
Fluoranthene	50	0	50	100		8		42	146	20
Pyrene	50	0	47	94		4		41	149	20
Butylbenzylphthalate	50	0	48	96		6		39	155	20
3,3-Dichlorobenzidine	50	0	35	70		9		10	114	20
Benzo(a)anthracene	50	0	47	94		4		41	147	20
Chrysene	50	0	48	96		6		44	144	20
bis(2-Ethylhexyl)phthalate	50	0	49	98		6		33	160	20
Di-n-octyl phthalate	50	0	48	96		6		36	158	20
Benzo(b)fluoranthene	50	0	47	94		4		40	150	20
Benzo(k)fluoranthene	50	0	50	100		6		40	147	20
Benzo(a)pyrene	50	0	48	96		4		42	147	20
Indeno(1,2,3-cd)pyrene	50	0	47	94		2		30	166	20
Dibenz(a,h)anthracene	50	0	49	98		4		23	172	20
Benzo(g,h,i)perylene	50	0	49	98		4		27	167	20

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: C3374

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB57413BS	Benzaldehyde	50	33	66				10	109	
	Phenol	50	13	26				10	130	
	bis(2-Chloroethyl)ether	50	46	92				46	116	
	2-Chlorophenol	50	36	72				40	105	
	2-Methylphenol	50	29	58				32	94	
	2,2-oxybis(1-Chloropropane)	50	46	92				60	113	
	Acetophenone	50	49	98				64	120	
	3+4-Methylphenols	50	25	50				24	91	
	N-Nitroso-di-n-propylamine	50	47	94				61	115	
	Hexachloroethane	50	40	80				52	104	
	Nitrobenzene	50	47	94				49	120	
	Isophorone	50	47	94				65	114	
	2-Nitrophenol	50	46	92				57	116	
	2,4-Dimethylphenol	50	40	80				43	108	
	bis(2-Chloroethoxy)methane	50	47	94				65	111	
	2,4-Dichlorophenol	50	44	88				49	113	
	Naphthalene	50	45	90				61	107	
	4-Chloroaniline	50	37	74				10	93	
	Hexachlorobutadiene	50	42	84				35	120	
	Caprolactam	50	7.4	15				10	130	
	4-Chloro-3-methylphenol	50	40	80				51	109	
	2-Methylnaphthalene	50	48	96				63	110	
	Hexachlorocyclopentadiene	100	87	87				42	121	
	2,4,6-Trichlorophenol	50	46	92				62	114	
	2,4,5-Trichlorophenol	50	46	92				58	116	
	1,1-Biphenyl	50	46	92				65	117	
	2-Chloronaphthalene	50	46	92				65	111	
	2-Nitroaniline	50	48	96				63	119	
	Dimethylphthalate	50	47	94				68	112	
	Acenaphthylene	50	47	94				65	110	
	2,6-Dinitrotoluene	50	47	94				68	115	
	3-Nitroaniline	50	39	78				16	104	
	Acenaphthene	50	47	94				66	114	
	2,4-Dinitrophenol	100	58	58				35	129	
	4-Nitrophenol	100	26	26				10	130	
	Dibenzofuran	50	47	94				66	111	
	2,4-Dinitrotoluene	50	50	100				65	119	
	Diethylphthalate	50	48	96				66	116	
	4-Chlorophenyl-phenylether	50	48	96				66	113	
	Fluorene	50	48	96				66	112	
	4-Nitroaniline	50	48	96				53	115	
	4,6-Dinitro-2-methylphenol	50	45	90				47	137	
	N-Nitrosodiphenylamine	50	49	98				65	116	
	4-Bromophenyl-phenylether	50	48	96				66	119	
	Hexachlorobenzene	50	49	98				57	121	
	Atrazine	50	0	0		*		53	130	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: C3374

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB57413BS	Pentachlorophenol	100	92	92				51	128	
	Phenanthrene	50	48	96				68	112	
	Anthracene	50	49	98				69	112	
	Carbazole	50	49	98				65	115	
	Di-n-butylphthalate	50	50	100				67	117	
	Fluoranthene	50	49	98				67	115	
	Pyrene	50	48	96				67	116	
	Butylbenzylphthalate	50	49	98				66	121	
	3,3-Dichlorobenzidine	50	38	76				13	119	
	Benzo(a)anthracene	50	49	98				64	117	
	Chrysene	50	48	96				65	116	
	bis(2-Ethylhexyl)phthalate	50	50	100				61	123	
	Di-n-octyl phthalate	50	49	98				63	123	
	Benzo(b)fluoranthene	50	47	94				62	122	
	Benzo(k)fluoranthene	50	50	100				60	123	
	Benzo(a)pyrene	50	48	96				65	118	
	Indeno(1,2,3-cd)pyrene	50	49	98				50	133	
	Dibenz(a,h)anthracene	50	49	98				45	150	
	Benzo(g,h,i)perylene	50	48	96				64	123	

CHEMTECH

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB57413B

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C3374 SAS No.: C3374 SDG NO.: C3374

Lab File ID: BF048041.D Lab Sample ID: PB57413B

Instrument ID: BNA_F Date Extracted: 08/15/2011

Matrix: (soil/water) WATER Date Analyzed: 08/16/2011

Level: (low/med) LOW Time Analyzed: 16:20

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PZ-8	C3374-08	BF048054.D	08/16/2011
PZ-7MSD	C3374-07MSD	BF048053.D	08/16/2011
PZ-7MS	C3374-06MS	BF048052.D	08/16/2011
PZ-7	C3374-05	BF048051.D	08/16/2011
PZ-10	C3374-04	BF048047.D	08/16/2011
PZ-9	C3374-03	BF048046.D	08/16/2011
DUP-081111	C3374-01	BF048045.D	08/16/2011
PB57413BS	PB57413BS	BF048042.D	08/16/2011

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	PB57413B	SDG No.:	C3374
Lab Sample ID:	PB57413B	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048041.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10	U	0.77	10	ug/L
108-95-2	Phenol	10	U	0.21	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.55	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.54	10	ug/L
95-48-7	2-Methylphenol	10	U	0.24	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.17	10	ug/L
98-86-2	Acetophenone	10	U	0.14	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.38	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.2	10	ug/L
67-72-1	Hexachloroethane	10	U	0.25	10	ug/L
98-95-3	Nitrobenzene	10	U	0.68	10	ug/L
78-59-1	Isophorone	10	U	0.3	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.52	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.71	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.55	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.66	10	ug/L
91-20-3	Naphthalene	10	U	0.12	10	ug/L
106-47-8	4-Chloroaniline	10	U	2.9	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.25	10	ug/L
105-60-2	Caprolactam	10	U	2	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.4	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.32	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.24	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.56	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.4	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.15	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.16	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.49	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.22	10	ug/L
208-96-8	Acenaphthylene	10	U	0.7	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.32	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	PB57413B	SDG No.:	C3374
Lab Sample ID:	PB57413B	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048041.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10	U	1.1	10	ug/L
83-32-9	Acenaphthene	10	U	0.21	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.1	10	ug/L
100-02-7	4-Nitrophenol	10	U	2	10	ug/L
132-64-9	Dibenzofuran	10	U	0.24	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1	10	ug/L
84-66-2	Diethylphthalate	10	U	0.38	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.21	10	ug/L
86-73-7	Fluorene	10	U	0.31	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.74	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.6	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.23	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.18	10	ug/L
1912-24-9	Atrazine	10	U	0.4	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.7	10	ug/L
85-01-8	Phenanthrene	10	U	0.26	10	ug/L
120-12-7	Anthracene	10	U	0.16	10	ug/L
86-74-8	Carbazole	10	U	0.22	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2	10	ug/L
206-44-0	Fluoranthene	10	U	0.4	10	ug/L
129-00-0	Pyrene	10	U	0.2	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.19	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	10	ug/L
218-01-9	Chrysene	10	U	0.18	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.16	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.51	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.29	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.18	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.15	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.42	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	PB57413B	SDG No.:	C3374
Lab Sample ID:	PB57413B	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF048041.D	1	08/15/11	08/16/11	PB57413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.29	10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	49.1		10 - 130	33%	SPK: 150
13127-88-3	Phenol-d5	34		10 - 130	23%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.4		36 - 131	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.5		39 - 131	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	128		25 - 155	86%	SPK: 150
1718-51-0	Terphenyl-d14	85.4		23 - 130	85%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	78007	3.9			
1146-65-2	Naphthalene-d8	300046	5.39			
15067-26-2	Acenaphthene-d10	157014	7.94			
1517-22-2	Phenanthrene-d10	238007	10.01			
1719-03-5	Chrysene-d12	217734	13.29			
1520-96-3	Perylene-d12	202041	14.89			
TENTATIVE IDENTIFIED COMPOUNDS						
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	10	A		2.35	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: C3374 SAS No.: C3374 SDG NO.: C3374

EPA Sample No.: SSTD040 Date Analyzed: 08/16/2011

Lab File ID: BF048039.D Time Analyzed: 15:24

Instrument ID: BNA_F GC Column: RTX-5 SILMS ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	79576	3.9	303421	5.4	155081	7.94
	UPPER LIMIT	159152	4.4	606842	5.9	310162	8.44000
	LOWER LIMIT	39788	3.4	151710.5	4.9	77540.5	7.44
	EPA SAMPLE NO.						
01	PB57413B	78007	3.90	300046	5.39	157014	7.94
02	PB57413BS	70807	3.90	265544	5.40	132876	7.94
03	DUP-081111	74697	3.90	285183	5.39	147874	7.94
04	PZ-9	73156	3.90	281195	5.39	142241	7.94
05	PZ-10	74681	3.90	296013	5.39	155399	7.94
06	PZ-7	75633	3.90	292553	5.39	147648	7.94
07	PZ-7MS	73604	3.90	270102	5.40	133946	7.94
08	PZ-7MSD	69125	3.90	251071	5.40	122908	7.94
09	PZ-8	72786	3.90	280340	5.39	143896	7.94

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: C3374 SAS No.: C3374 SDG NO.: C3374

EPA Sample No.: SSTD040 Date Analyzed: 08/16/2011

Lab File ID: BF048039.D Time Analyzed: 15:24

Instrument ID: BNA_F GC Column: RTX-5 SILMS ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	245444	10.01	206833	13.3	209458	14.89
	UPPER LIMIT	490888	10.51	413666	13.8	418916	15.39
	LOWER LIMIT	122722	9.51	103416.5	12.8	104729	14.39
	EPA SAMPLE NO.						
01	PB57413B	238007	10.01	217734	13.29	202041	14.89
02	PB57413BS	207569	10.01	182428	13.30	187809	14.89
03	DUP-081111	227018	10.01	205752	13.29	194403	14.89
04	PZ-9	219833	10.01	207974	13.29	194460	14.89
05	PZ-10	233419	10.01	224458	13.29	209366	14.89
06	PZ-7	224298	10.01	209483	13.29	193242	14.89
07	PZ-7MS	206996	10.01	180951	13.30	181230	14.89
08	PZ-7MSD	191988	10.01	176530	13.30	176848	14.89
09	PZ-8	214708	10.01	209780	13.29	193450	14.89

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

ANALYTICAL RESULTS
SUMMARY

PROJECT NAME : 02-66-384 FORMER MAJESTIC CLEANERS

MALCOLM PIRNIE, INC.
855 Route 146, Suite 210

Clifton Park , NY - 12065
Phone No: 5182507300

ORDER ID : **C3398**
ATTENTION : **Stefan Bagnato**

ACCREDITED IN ACCORDANCE WITH nelac
DoD ELAP

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Cover Page

Order ID : C3398

Project ID : 02-66-384 Former Majestic cleaners

Client : Malcolm Pirnie, Inc.

Lab Sample Number	Client Sample Number
C3398-01	DRUMCOMPOSITE

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
DRUMCOMPOSITE	C3398-01	8260B				6010B, 7471A	Chemtech -SOP

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
C3398-01	SOIL	08/11/11	08/16/11		08/22/11

* Details For Test :VOC-TCLVOA-10

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY
MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
C3398-01	Solid	8260B	5035		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
C3398-01	SOIL	Mercury	08/16/11	08/16/11	08/17/11

* Details For Test :Mercury

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
C3398-01	SOIL	Metals ICP-TAL	08/16/11	08/16/11	08/17/11

* Details For Test :Metals ICP-TAL

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: 02-66-384 Former Majestic cleaners
Project # N/A
Chemtech Project # C3398
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 08/16/2011.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_F were done using GC column RTX-VMS, which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. # 49914. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator. The analysis of VOC-TCLVOA-10 was based on method 8260B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for OU2-IDW-BX7-081811MSD [Toluene-d8 - 116%].
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS {C3448-02MS} with File ID: VF028288.D recoveries met the requirements for all compounds except for 1,1,2-Trichlorotrifluoroethane[146%] .
The MSD {C3448-02MSD} with File ID: VF028289.D recoveries met the acceptable requirements except for 1,1,2-Trichlorotrifluoroethane[151%] .
The RPD for {C3448-02MSD} with File ID: VF028289.D recoveries met criteria except for Methyl Acetate[30%] .
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration File ID VF028270.D met the requirements except for Acetone and 2-Butanone.
The Tuning criteria met requirements.

E. Additional Comments:

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: 02-66-384 Former Majestic cleaners
Project # N/A
Chemtech Project # C3398
Test Name: Metals ICP-TAL,Mercury

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 08/16/2011.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL and VOC-TCLVOA-10. This data package contains results for Metals ICP-TAL,Mercury.

C. Analytical Techniques:
The analysis of Metals ICP-TAL was based on method 6010B, digestion based on method 3050 (soils). The analysis of Mercury was based on method 7471A and digestion was based on method 7471B (soils).

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples except for Aluminum, Arsenic, Calcium, Chromium, Iron, Magnesium, Manganese, Sodium and Vanadium.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples except for Zinc.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met criteria for all samples except for Aluminum, Calcium, Chromium, Iron, Magnesium, Manganese, Potassium and Sodium.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/16/11
Client Sample ID:	DRUMCOMPOSITE	SDG No.:	C3398
Lab Sample ID:	C3398-01	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	13
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF028286.D	1		08/22/11	VF082211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.7	U	0.74	5.7	ug/Kg
74-87-3	Chloromethane	5.7	U	0.98	5.7	ug/Kg
75-01-4	Vinyl Chloride	5.7	U	1.4	5.7	ug/Kg
74-83-9	Bromomethane	5.7	U	2.8	5.7	ug/Kg
75-00-3	Chloroethane	5.7	U	1.6	5.7	ug/Kg
75-69-4	Trichlorofluoromethane	5.7	U	1.5	5.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.7	U	1.5	5.7	ug/Kg
75-35-4	1,1-Dichloroethene	5.7	U	1.7	5.7	ug/Kg
67-64-1	Acetone	29	U	3.4	29	ug/Kg
75-15-0	Carbon Disulfide	5.7	U	1.2	5.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.7	U	1.1	5.7	ug/Kg
79-20-9	Methyl Acetate	5.7	U	1.7	5.7	ug/Kg
75-09-2	Methylene Chloride	2.7	J	1.6	5.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.7	U	0.79	5.7	ug/Kg
75-34-3	1,1-Dichloroethane	5.7	U	1.1	5.7	ug/Kg
110-82-7	Cyclohexane	5.7	U	1.2	5.7	ug/Kg
78-93-3	2-Butanone	29	U	3.5	29	ug/Kg
56-23-5	Carbon Tetrachloride	5.7	U	1.1	5.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.7	U	1	5.7	ug/Kg
67-66-3	Chloroform	5.7	U	0.84	5.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.7	U	1	5.7	ug/Kg
108-87-2	Methylcyclohexane	5.7	U	1.2	5.7	ug/Kg
71-43-2	Benzene	5.7	U	0.43	5.7	ug/Kg
107-06-2	1,2-Dichloroethane	5.7	U	0.73	5.7	ug/Kg
79-01-6	Trichloroethene	5.7	U	0.98	5.7	ug/Kg
78-87-5	1,2-Dichloropropane	5.7	U	0.3	5.7	ug/Kg
75-27-4	Bromodichloromethane	5.7	U	0.71	5.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	29	U	3.3	29	ug/Kg
108-88-3	Toluene	5.7	U	0.73	5.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.7	U	0.9	5.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.7	U	0.82	5.7	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/16/11
Client Sample ID:	DRUMCOMPOSITE	SDG No.:	C3398
Lab Sample ID:	C3398-01	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	13
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF028286.D	1		08/22/11	VF082211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.7	U	1	5.7	ug/Kg
591-78-6	2-Hexanone	29	U	4.5	29	ug/Kg
124-48-1	Dibromochloromethane	5.7	U	0.62	5.7	ug/Kg
106-93-4	1,2-Dibromoethane	5.7	U	0.73	5.7	ug/Kg
127-18-4	Tetrachloroethene	5.7	U	1.2	5.7	ug/Kg
108-90-7	Chlorobenzene	5.7	U	0.57	5.7	ug/Kg
100-41-4	Ethyl Benzene	5.7	U	0.71	5.7	ug/Kg
179601-23-1	m/p-Xylenes	11	U	0.82	11	ug/Kg
95-47-6	o-Xylene	5.7	U	0.78	5.7	ug/Kg
100-42-5	Styrene	5.7	U	0.51	5.7	ug/Kg
75-25-2	Bromoform	5.7	U	0.84	5.7	ug/Kg
98-82-8	Isopropylbenzene	5.7	U	0.55	5.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U	0.52	5.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.7	U	0.42	5.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.7	U	0.47	5.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.7	U	0.71	5.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.7	U	0.99	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.7	U	0.8	5.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.2		56 - 120	94%	SPK: 50
1868-53-7	Dibromofluoromethane	50		57 - 135	100%	SPK: 50
2037-26-5	Toluene-d8	53.6		67 - 123	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.4		33 - 141	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	425018	3.16			
540-36-3	1,4-Difluorobenzene	642797	3.75			
3114-55-4	Chlorobenzene-d5	518745	7.11			
3855-82-1	1,4-Dichlorobenzene-d4	231574	9			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/16/11
Client Sample ID:	DRUMCOMPOSITE	SDG No.:	C3398
Lab Sample ID:	C3398-01	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	13
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF028286.D	1		08/22/11	VF082211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C3398

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**DRUMCOMPOSITE**							
C3398-01	DRUMCOMPOSITE	SOIL	Methylene Chloride	2.70	J	5.7	1.6	ug/Kg
			Total Voc :		**2.70**			
			Total Concentration:		**2.70**			

CHEMTECH

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **CASE No.:** C3398 **SAS No.:** C3398 **SDG NO.:** C3398

Level: (low/med) LOW **Analytical Method:** EPA SW846 8260

	Lab Sample ID.	Client Sample NO.	SMC1 (DCE) #	SMC2 (DBFM) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBF0822S1	VBF0822S1	94	107	104	106	0
02	BSF0822S1	BSF0822S1	97	109	111	109	0
03	C3398-01	DRUMCOMPOSITE	94	100	107	85	0
04	C3448-02MS	OU2-IDW-BX7-081811MS	114	109	111	105	0
05	C3448-02MSD	OU2-IDW-BX7-081811MSD	122	120	116 *	110	1

	QC LIMITS
SMC1 (DCE) = 1,2-Dichloroethane-d4	(55-158)
SMC2 (DBFM) =Dibromofluoromethane	(53-156)
SMC3 (TOL) =Toluene-d8	(85-115)
SMC4 (BFB) =4-Bromofluorobenzene	(85-120)

Column to be used to flag recovery values
* Values outside of contract required QC Limits

CHEMTECH

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C3398 **SAS No :** C3398 **SDG No:** C3398

Matrix Spike - EPA Sample No : C3448-02 **Analytical Method:** EPA SW846 8260 **Datafile :** VF028288.D

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Dichlorodifluoromethane	57	0	59	104	(42-135)
Chloromethane	57	0	49	86	(50-130)
Vinyl Chloride	57	0	60	105	(60-125)
Bromomethane	57	0	55	96	(40-154)
Chloroethane	57	0	56	98	(40-155)
Trichlorofluoromethane	57	0	50	88	(46-159)
1,1,2-Trichlorotrifluoroethane	57	0	83	146*	(59-140)
1,1-Dichloroethene	57	0	60	105	(65-135)
Acetone	287	0	340	118	(31-158)
Carbon Disulfide	57	0	56	98	(45-144)
Methyl tert-butyl Ether	57	0	60	105	(56-146)
Methyl Acetate	57	0	72	126	(16-205)
Methylene Chloride	57	0	57	100	(55-140)
trans-1,2-Dichloroethene	57	0	58	102	(65-135)
1,1-Dichloroethane	57	0	60	105	(75-125)
Cyclohexane	57	0	54	95	(51-136)
2-Butanone	287	0	270	94	(40-157)
Carbon Tetrachloride	57	0	56	98	(65-135)
cis-1,2-Dichloroethene	57	0	60	105	(65-125)
Chloroform	57	0	60	105	(70-125)
1,1,1-Trichloroethane	57	0	59	104	(70-135)
Methylcyclohexane	57	0	58	102	(43-133)
Benzene	57	0	57	100	(75-125)
1,2-Dichloroethane	57	0	59	104	(70-135)
Trichloroethene	57	0	57	100	(75-125)
1,2-Dichloropropane	57	0	57	100	(70-120)
Bromodichloromethane	57	0	59	104	(70-130)
4-Methyl-2-Pentanone	287	0	290	101	(53-145)
Toluene	57	0	57	100	(70-125)
t-1,3-Dichloropropene	57	0	57	100	(65-125)
cis-1,3-Dichloropropene	57	0	56	98	(70-125)
1,1,2-Trichloroethane	57	0	59	104	(67-125)
2-Hexanone	287	0	290	101	(45-145)

Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 0 Out of 0 outside limits

Spike Recovery : 5 Out of 90 outside limits

CHEMTECH

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C3398 **SAS No :** C3398 **SDG No:** C3398

Matrix Spike - EPA Sample No : C3448-02 **Analytical Method:** EPA SW846 8260 **Datafile :** VF028288.D

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Dibromochloromethane	57	0	61	107	(65-130)
1,2-Dibromoethane	57	0	59	104	(70-125)
Tetrachloroethene	57	0	55	96	(65-140)
Chlorobenzene	57	0	57	100	(75-125)
Ethyl Benzene	57	0	57	100	(75-125)
m/p-Xylenes	115	0	110	96	(80-125)
o-Xylene	57	0	56	98	(75-125)
Styrene	57	0	52	91	(75-125)
Bromoform	57	0	58	102	(62-135)
Isopropylbenzene	57	0	62	109	(75-130)
1,1,2,2-Tetrachloroethane	57	0	63	111	(55-130)
1,3-Dichlorobenzene	57	0	56	98	(70-125)
1,4-Dichlorobenzene	57	0	56	98	(70-124)
1,2-Dichlorobenzene	57	0	58	102	(75-120)
1,2-Dibromo-3-Chloropropane	57	0	62	109	(44-135)
1,2,4-Trichlorobenzene	57	0	48	84	(65-130)

Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 0 Out of 0 outside limits

Spike Recovery : 5 Out of 90 outside limits

CHEMTECH

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C3398 **SAS No :** C3398 **SDG No:** C3398

Matrix Spike - EPA Sample No : C3448-02 **Analytical Method:** EPA SW846 8260 **Datafile :** VF028289.D

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % (ug/Kg)	%	QC LIMITS RPD	REC
Dichlorodifluoromethane	57	65	114	9	20	(42-135)
Chloromethane	57	56	98	13	20	(50-130)
Vinyl Chloride	57	71	125	17	20	(60-125)
Bromomethane	57	62	109	13	20	(40-154)
Chloroethane	57	67	118	19	20	(40-155)
Trichlorofluoromethane	57	56	98	11	20	(46-159)
1,1,2-Trichlorotrifluoroethane	57	86	151*	3	20	(59-140)
1,1-Dichloroethene	57	65	114	8	20	(65-135)
Acetone	287	390	136	14	20	(31-158)
Carbon Disulfide	57	61	107	9	20	(45-144)
Methyl tert-butyl Ether	57	70	123	16	20	(56-146)
Methyl Acetate	57	97	170	30*	20	(16-205)
Methylene Chloride	57	67	118	17	20	(55-140)
trans-1,2-Dichloroethene	57	61	107	5	20	(65-135)
1,1-Dichloroethane	57	68	119	13	20	(75-125)
Cyclohexane	57	61	107	12	20	(51-136)
2-Butanone	287	300	105	11	20	(40-157)
Carbon Tetrachloride	57	63	111	12	20	(65-135)
cis-1,2-Dichloroethene	57	64	112	6	20	(65-125)
Chloroform	57	66	116	10	20	(70-125)
1,1,1-Trichloroethane	57	64	112	7	20	(70-135)
Methylcyclohexane	57	63	111	8	20	(43-133)
Benzene	57	61	107	7	20	(75-125)
1,2-Dichloroethane	57	67	118	13	20	(70-135)
Trichloroethene	57	61	107	7	20	(75-125)
1,2-Dichloropropane	57	63	111	10	20	(70-120)
Bromodichloromethane	57	65	114	9	20	(70-130)
4-Methyl-2-Pentanone	287	330	115	13	20	(53-145)
Toluene	57	61	107	7	20	(70-125)
t-1,3-Dichloropropene	57	62	109	9	20	(65-125)
cis-1,3-Dichloropropene	57	60	105	7	20	(70-125)
1,1,2-Trichloroethane	57	67	118	13	20	(67-125)
2-Hexanone	287	320	111	9	20	(45-145)

Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 1 Out of 90 outside limits

Spike Recovery : 9 Out of 180 outside limits

CHEMTECH

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C3398 **SAS No :** C3398 **SDG No:** C3398

Matrix Spike - EPA Sample No : C3448-02 **Analytical Method:** EPA SW846 8260 **Datafile :** VF028289.D

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % (ug/Kg)	%	QC LIMITS RPD	REC
Dibromochloromethane	57	66	116	8	20	(65-130)
1,2-Dibromoethane	57	65	114	9	20	(70-125)
Tetrachloroethene	57	56	98	2	20	(65-140)
Chlorobenzene	57	60	105	5	20	(75-125)
Ethyl Benzene	57	59	104	4	20	(75-125)
m/p-Xylenes	115	120	104	8	20	(80-125)
o-Xylene	57	60	105	7	20	(75-125)
Styrene	57	54	95	4	20	(75-125)
Bromoform	57	62	109	7	20	(62-135)
Isopropylbenzene	57	68	119	9	20	(75-130)
1,1,2,2-Tetrachloroethane	57	72	126	13	20	(55-130)
1,3-Dichlorobenzene	57	61	107	9	20	(70-125)
1,4-Dichlorobenzene	57	63	111	12	20	(70-124)
1,2-Dichlorobenzene	57	63	111	8	20	(75-120)
1,2-Dibromo-3-Chloropropane	57	74	130	18	20	(44-135)
1,2,4-Trichlorobenzene	57	54	95	12	20	(65-130)

Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 1 Out of 90 outside limits

Spike Recovery : 9 Out of 180 outside limits

CHEMTECH

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C3398 **SAS No :** C3398 **SDG No:** C3398

Matrix Spike - EPA Sample No : BSF0822S1 **Analytical Method:** EPA SW846 8260 **Datafile :** VF028272.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		19	95	(47-135)
Chloromethane	20		15	75	(56-130)
Vinyl Chloride	20		19	95	(60-125)
Bromomethane	20		19	95	(45-158)
Chloroethane	20		21	105	(42-155)
Trichlorofluoromethane	20		23	115	(55-146)
1,1,2-Trichlorotrifluoroethane	20		19	95	(65-134)
1,1-Dichloroethene	20		20	100	(65-135)
Acetone	100		90	90	(57-148)
Carbon Disulfide	20		16	80	(60-138)
Methyl tert-butyl Ether	20		19	95	(70-131)
Methyl Acetate	20		20	100	(44-187)
Methylene Chloride	20		18	90	(63-140)
trans-1,2-Dichloroethene	20		20	100	(73-130)
1,1-Dichloroethane	20		19	95	(75-125)
Cyclohexane	20		18	90	(66-132)
2-Butanone	100		86	86	(52-153)
Carbon Tetrachloride	20		20	100	(74-122)
cis-1,2-Dichloroethene	20		18	90	(75-125)
Chloroform	20		18	90	(75-125)
1,1,1-Trichloroethane	20		19	95	(75-128)
Methylcyclohexane	20		19	95	(71-124)
Benzene	20		19	95	(79-122)
1,2-Dichloroethane	20		20	100	(75-132)
Trichloroethene	20		20	100	(77-120)
1,2-Dichloropropane	20		18	90	(76-120)
Bromodichloromethane	20		19	95	(77-124)
4-Methyl-2-Pentanone	100		100	100	(70-141)
Toluene	20		19	95	(78-121)
t-1,3-Dichloropropene	20		19	95	(76-125)
cis-1,3-Dichloropropene	20		20	100	(79-122)
1,1,2-Trichloroethane	20		19	95	(76-125)
2-Hexanone	100		99	99	(55-145)
Dibromochloromethane	20		19	95	(73-126)

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 3 Out of 90 outside limits

Comments: _____

CHEMTECH

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C3398 **SAS No :** C3398 **SDG No:** C3398

Matrix Spike - EPA Sample No : BSF0822S1 **Analytical Method:** EPA SW846 8260 **Datafile :** VF028272.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
1,2-Dibromoethane	20		19	95	(76-125)
Tetrachloroethene	20		20	100	(65-140)
Chlorobenzene	20		20	100	(79-120)
Ethyl Benzene	20		20	100	(77-120)
m/p-Xylenes	40		40	100	(80-120)
o-Xylene	20		20	100	(78-119)
Styrene	20		20	100	(80-119)
Bromoform	20		19	95	(71-125)
Isopropylbenzene	20		20	100	(77-124)
1,1,2,2-Tetrachloroethane	20		18	90	(77-130)
1,3-Dichlorobenzene	20		20	100	(82-121)
1,4-Dichlorobenzene	20		20	100	(82-118)
1,2-Dichlorobenzene	20		20	100	(81-120)
1,2-Dibromo-3-Chloropropane	20		20	100	(66-132)
1,2,4-Trichlorobenzene	20		20	100	(71-124)

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD : 0 Out of 0 outside limits

Spike Recovery : 3 Out of 90 outside limits

Comments: _____

CHEMTECH

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0822S1

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C3398 SAS No.: C3398 SDG NO.: C3398

Lab File ID: VF028271.D Lab Sample ID: VBF0822S1

Date Analyzed: 08/22/2011 Time Analyzed: 11:33

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOAF

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF0822S1	BSF0822S1	VF028272.D	08/22/2011
DRUMCOMPOSITE	C3398-01	VF028286.D	08/22/2011
OU2-IDW-BX7-081811MS	C3448-02MS	VF028288.D	08/22/2011
OU2-IDW-BX7-081811MSD	C3448-02MSD	VF028289.D	08/22/2011

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBF0822S1	SDG No.:	C3398
Lab Sample ID:	VBF0822S1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF028271.D	1		08/22/11	VF082211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5	U	0.65	5	ug/Kg
74-87-3	Chloromethane	5	U	0.86	5	ug/Kg
75-01-4	Vinyl Chloride	5	U	1.2	5	ug/Kg
74-83-9	Bromomethane	5	U	2.4	5	ug/Kg
75-00-3	Chloroethane	5	U	1.4	5	ug/Kg
75-69-4	Trichlorofluoromethane	5	U	1.3	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U	1.3	5	ug/Kg
75-35-4	1,1-Dichloroethene	5	U	1.5	5	ug/Kg
67-64-1	Acetone	25	U	3	25	ug/Kg
75-15-0	Carbon Disulfide	5	U	1.1	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5	U	0.96	5	ug/Kg
79-20-9	Methyl Acetate	5	U	1.5	5	ug/Kg
75-09-2	Methylene Chloride	5	U	1.4	5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5	U	0.69	5	ug/Kg
75-34-3	1,1-Dichloroethane	5	U	0.94	5	ug/Kg
110-82-7	Cyclohexane	5	U	1	5	ug/Kg
78-93-3	2-Butanone	25	U	3.1	25	ug/Kg
56-23-5	Carbon Tetrachloride	5	U	0.99	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5	U	0.89	5	ug/Kg
67-66-3	Chloroform	5	U	0.74	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	5	U	0.88	5	ug/Kg
108-87-2	Methylcyclohexane	5	U	1.1	5	ug/Kg
71-43-2	Benzene	5	U	0.38	5	ug/Kg
107-06-2	1,2-Dichloroethane	5	U	0.64	5	ug/Kg
79-01-6	Trichloroethene	5	U	0.86	5	ug/Kg
78-87-5	1,2-Dichloropropane	5	U	0.26	5	ug/Kg
75-27-4	Bromodichloromethane	5	U	0.62	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	25	U	2.9	25	ug/Kg
108-88-3	Toluene	5	U	0.64	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5	U	0.79	5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5	U	0.72	5	ug/Kg

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBF0822S1	SDG No.:	C3398
Lab Sample ID:	VBF0822S1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF028271.D	1		08/22/11	VF082211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5	U	0.9	5	ug/Kg
591-78-6	2-Hexanone	25	U	3.9	25	ug/Kg
124-48-1	Dibromochloromethane	5	U	0.54	5	ug/Kg
106-93-4	1,2-Dibromoethane	5	U	0.64	5	ug/Kg
127-18-4	Tetrachloroethene	5	U	1	5	ug/Kg
108-90-7	Chlorobenzene	5	U	0.5	5	ug/Kg
100-41-4	Ethyl Benzene	5	U	0.62	5	ug/Kg
179601-23-1	m/p-Xylenes	10	U	0.72	10	ug/Kg
95-47-6	o-Xylene	5	U	0.68	5	ug/Kg
100-42-5	Styrene	5	U	0.45	5	ug/Kg
75-25-2	Bromoform	5	U	0.74	5	ug/Kg
98-82-8	Isopropylbenzene	5	U	0.48	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.46	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	5	U	0.37	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	5	U	0.41	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	5	U	0.62	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5	U	0.87	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5	U	0.7	5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.2		55 - 158	94%	SPK: 50
1868-53-7	Dibromofluoromethane	53.5		53 - 156	107%	SPK: 50
2037-26-5	Toluene-d8	51.9		85 - 115	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		85 - 120	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	483952	3.18			
540-36-3	1,4-Difluorobenzene	737196	3.77			
3114-55-4	Chlorobenzene-d5	680918	7.13			
3855-82-1	1,4-Dichlorobenzene-d4	438608	9.01			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBF0822S1	SDG No.:	C3398
Lab Sample ID:	VBF0822S1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF028271.D	1		08/22/11	VF082211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C3398 SAS No.: C3398 SDG NO.: C3398

Lab File ID: VF028270.D Date Analyzed: 08/22/2011

Instrument ID: MSVOAF Time Analyzed: 10:50

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	491071	3.18	776430	3.78	706170	7.12
UPPER LIMIT	982142	3.68	1552860	4.28	1412340	7.62
LOWER LIMIT	245535.5	2.68	388215	3.28	353085	6.62
EPA SAMPLE NO.						
BSF0822S1	454494	3.17	693829	3.77	640714	7.12
DRUMCOMPOSITE	425018	3.16	642797	3.75	518745	7.11
OU2-IDW-BX7-081811MS	377293	3.17	628491	3.77	578043	7.12
OU2-IDW-BX7-081811MSD	360597	3.17	611430	3.77	570139	7.12
VBF0822S1	483952	3.18	737196	3.77	680918	7.13

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C3398 SAS No.: C3398 SDG NO.: C3398

Lab File ID: VF028270.D Date Analyzed: 08/22/2011

Instrument ID: MSVOAF Time Analyzed: 10:50

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	433675	9.01				
UPPER LIMIT	867350	9.51				
LOWER LIMIT	216837.5	8.51				
EPA SAMPLE NO.						
BSF0822S1	398631	9.00				
DRUMCOMPOSITE	231574	9.00				
OU2-IDW-BX7-081811MS	330248	9.00				
OU2-IDW-BX7-081811MSD	313607	9.00				
VBF0822S1	438608	9.01				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	08/11/11
Project:	02-66-384 Former Majestic cleaners	Date Received:	08/16/11
Client Sample ID:	DRUMCOMPOSITE	SDG No.:	C3398
Lab Sample ID:	C3398-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	3660		1	0.782	4.66	mg/Kg	08/16/11	08/17/11	SW6010B
7440-36-0	Antimony	2.33	U	1	0.522	2.33	mg/Kg	08/16/11	08/17/11	SW6010B
7440-38-2	Arsenic	3.27		1	0.307	0.931	mg/Kg	08/16/11	08/17/11	SW6010B
7440-39-3	Barium	117		1	0.373	4.66	mg/Kg	08/16/11	08/17/11	SW6010B
7440-41-7	Beryllium	0.249	J	1	0.056	0.279	mg/Kg	08/16/11	08/17/11	SW6010B
7440-43-9	Cadmium	0.552		1	0.056	0.279	mg/Kg	08/16/11	08/17/11	SW6010B
7440-70-2	Calcium	9800		1	0.996	93.1	mg/Kg	08/16/11	08/17/11	SW6010B
7440-47-3	Chromium	17.1		1	0.121	0.466	mg/Kg	08/16/11	08/17/11	SW6010B
7440-48-4	Cobalt	7.9		1	0.531	1.4	mg/Kg	08/16/11	08/17/11	SW6010B
7440-50-8	Copper	26.7		1	0.298	0.931	mg/Kg	08/16/11	08/17/11	SW6010B
7439-89-6	Iron	6750		1	1.24	4.66	mg/Kg	08/16/11	08/17/11	SW6010B
7439-92-1	Lead	130		1	0.112	0.559	mg/Kg	08/16/11	08/17/11	SW6010B
7439-95-4	Magnesium	1380		1	4.27	93.1	mg/Kg	08/16/11	08/17/11	SW6010B
7439-96-5	Manganese	117		1	0.177	0.931	mg/Kg	08/16/11	08/17/11	SW6010B
7439-97-6	Mercury	0.196		1	0.002	0.011	mg/Kg	08/16/11	08/17/11	SW7471A
7440-02-0	Nickel	10.9		1	0.428	1.86	mg/Kg	08/16/11	08/17/11	SW6010B
7440-09-7	Potassium	298		1	3.26	93.1	mg/Kg	08/16/11	08/17/11	SW6010B
7782-49-2	Selenium	0.645	J	1	0.382	0.931	mg/Kg	08/16/11	08/17/11	SW6010B
7440-22-4	Silver	0.248	J	1	0.14	0.466	mg/Kg	08/16/11	08/17/11	SW6010B
7440-23-5	Sodium	224		1	2.35	93.1	mg/Kg	08/16/11	08/17/11	SW6010B
7440-28-0	Thallium	1.86	U	1	0.251	1.86	mg/Kg	08/16/11	08/17/11	SW6010B
7440-62-2	Vanadium	27.6		1	0.549	1.86	mg/Kg	08/16/11	08/17/11	SW6010B
7440-66-6	Zinc	151		1	0.652	1.86	mg/Kg	08/16/11	08/17/11	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
E = Value Exceeds Calibration Range
OR = Over Range

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C3398 **Order ID:** C3398

Client: Malcolm Pirnie, Inc. **Project ID:** 02-66-384 Former Majestic cleaners

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID : DRUMCOMPOSITE								
C3398-01	DRUMCOMPOSITE	SOIL	Aluminum	3,660.000		4.660	0.782	mg/Kg
C3398-01	DRUMCOMPOSITE	SOIL	Arsenic	3.270		0.931	0.307	mg/Kg
C3398-01	DRUMCOMPOSITE	SOIL	Barium	117.000		4.660	0.373	mg/Kg
C3398-01	DRUMCOMPOSITE	SOIL	Beryllium	0.249	J	0.279	0.056	mg/Kg
C3398-01	DRUMCOMPOSITE	SOIL	Cadmium	0.552		0.279	0.056	mg/Kg
C3398-01	DRUMCOMPOSITE	SOIL	Calcium	9,800.000		93.1	0.996	mg/Kg
C3398-01	DRUMCOMPOSITE	SOIL	Chromium	17.100		0.466	0.121	mg/Kg
C3398-01	DRUMCOMPOSITE	SOIL	Cobalt	7.900		1.400	0.531	mg/Kg
C3398-01	DRUMCOMPOSITE	SOIL	Copper	26.700		0.931	0.298	mg/Kg
C3398-01	DRUMCOMPOSITE	SOIL	Iron	6,750.000		4.660	1.240	mg/Kg
C3398-01	DRUMCOMPOSITE	SOIL	Lead	130.000		0.559	0.112	mg/Kg
C3398-01	DRUMCOMPOSITE	SOIL	Magnesium	1,380.000		93.1	4.270	mg/Kg
C3398-01	DRUMCOMPOSITE	SOIL	Manganese	117.000		0.931	0.177	mg/Kg
C3398-01	DRUMCOMPOSITE	SOIL	Mercury	0.196		0.011	0.002	mg/Kg
C3398-01	DRUMCOMPOSITE	SOIL	Nickel	10.900		1.860	0.428	mg/Kg
C3398-01	DRUMCOMPOSITE	SOIL	Potassium	298.000		93.1	3.260	mg/Kg
C3398-01	DRUMCOMPOSITE	SOIL	Selenium	0.645	J	0.931	0.382	mg/Kg
C3398-01	DRUMCOMPOSITE	SOIL	Silver	0.248	J	0.466	0.140	mg/Kg
C3398-01	DRUMCOMPOSITE	SOIL	Sodium	224.000		93.1	2.350	mg/Kg
C3398-01	DRUMCOMPOSITE	SOIL	Vanadium	27.600		1.860	0.549	mg/Kg
C3398-01	DRUMCOMPOSITE	SOIL	Zinc	151.000		1.860	0.652	mg/Kg

CHEMTECH

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Malcolm Pirnie, Inc. **SDG No.:** C3398

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C3398 **SAS No.:** C3398

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	08/17/2011	11:06	LB56472
CCB01	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	08/17/2011	11:10	LB56472
CCB02	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	08/17/2011	11:30	LB56472
CCB03	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	08/17/2011	11:51	LB56472
ICB01	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	08/17/2011	10:27	LB56477
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	08/17/2011	10:27	LB56477
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	08/17/2011	10:27	LB56477
	Barium	4.0	+/-50.0	U	4.0	50.0	P	08/17/2011	10:27	LB56477
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	08/17/2011	10:27	LB56477
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	08/17/2011	10:27	LB56477
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	08/17/2011	10:27	LB56477
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	08/17/2011	10:27	LB56477
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	08/17/2011	10:27	LB56477
	Copper	2.0	+/-10.0	U	2.0	10.0	P	08/17/2011	10:27	LB56477
	Iron	20.4	+/-50.0	U	20.4	50.0	P	08/17/2011	10:27	LB56477
	Lead	2.6	+/-6.0	U	2.6	6.0	P	08/17/2011	10:27	LB56477
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	08/17/2011	10:27	LB56477
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	08/17/2011	10:27	LB56477
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	08/17/2011	10:27	LB56477
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	08/17/2011	10:27	LB56477
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	08/17/2011	10:27	LB56477
	Silver	1.5	+/-5.0	U	1.5	5.0	P	08/17/2011	10:27	LB56477
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	08/17/2011	10:27	LB56477
	Thallium	5.2	+/-20.0	J	2.4	20.0	P	08/17/2011	10:27	LB56477
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	08/17/2011	10:27	LB56477
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	08/17/2011	10:27	LB56477
CCB01	Aluminum	21.3	+/-50.0	J	6.5	50.0	P	08/17/2011	10:51	LB56477
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	08/17/2011	10:51	LB56477
	Arsenic	5.3	+/-10.0	J	4.2	10.0	P	08/17/2011	10:51	LB56477
	Barium	4.0	+/-50.0	U	4.0	50.0	P	08/17/2011	10:51	LB56477
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	08/17/2011	10:51	LB56477
	Cadmium	0.8	+/-3.0	J	0.5	3.0	P	08/17/2011	10:51	LB56477
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	08/17/2011	10:51	LB56477
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	08/17/2011	10:51	LB56477
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	08/17/2011	10:51	LB56477
	Copper	2.0	+/-10.0	U	2.0	10.0	P	08/17/2011	10:51	LB56477
	Iron	20.4	+/-50.0	U	20.4	50.0	P	08/17/2011	10:51	LB56477
	Lead	2.6	+/-6.0	U	2.6	6.0	P	08/17/2011	10:51	LB56477
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	08/17/2011	10:51	LB56477

CHEMTECH

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Malcolm Pirnie, Inc. **SDG No.:** C3398

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C3398 **SAS No.:** C3398

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Manganese	1.7	+/-10.0	U	1.7	10.0	P	08/17/2011	10:51	LB56477
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	08/17/2011	10:51	LB56477
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	08/17/2011	10:51	LB56477
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	08/17/2011	10:51	LB56477
	Silver	1.5	+/-5.0	U	1.5	5.0	P	08/17/2011	10:51	LB56477
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	08/17/2011	10:51	LB56477
	Thallium	8.4	+/-20.0	J	2.4	20.0	P	08/17/2011	10:51	LB56477
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	08/17/2011	10:51	LB56477
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	08/17/2011	10:51	LB56477
CCB02	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	08/17/2011	11:18	LB56477
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	08/17/2011	11:18	LB56477
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	08/17/2011	11:18	LB56477
	Barium	4.0	+/-50.0	U	4.0	50.0	P	08/17/2011	11:18	LB56477
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	08/17/2011	11:18	LB56477
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	08/17/2011	11:18	LB56477
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	08/17/2011	11:18	LB56477
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	08/17/2011	11:18	LB56477
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	08/17/2011	11:18	LB56477
	Copper	2.0	+/-10.0	U	2.0	10.0	P	08/17/2011	11:18	LB56477
	Iron	20.4	+/-50.0	U	20.4	50.0	P	08/17/2011	11:18	LB56477
	Lead	2.6	+/-6.0	U	2.6	6.0	P	08/17/2011	11:18	LB56477
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	08/17/2011	11:18	LB56477
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	08/17/2011	11:18	LB56477
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	08/17/2011	11:18	LB56477
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	08/17/2011	11:18	LB56477
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	08/17/2011	11:18	LB56477
	Silver	1.5	+/-5.0	U	1.5	5.0	P	08/17/2011	11:18	LB56477
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	08/17/2011	11:18	LB56477
	Thallium	6.4	+/-20.0	J	2.4	20.0	P	08/17/2011	11:18	LB56477
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	08/17/2011	11:18	LB56477
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	08/17/2011	11:18	LB56477
CCB03	Aluminum	7.1	+/-50.0	J	6.5	50.0	P	08/17/2011	12:04	LB56477
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	08/17/2011	12:04	LB56477
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	08/17/2011	12:04	LB56477
	Barium	4.0	+/-50.0	U	4.0	50.0	P	08/17/2011	12:04	LB56477
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	08/17/2011	12:04	LB56477
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	08/17/2011	12:04	LB56477
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	08/17/2011	12:04	LB56477
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	08/17/2011	12:04	LB56477
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	08/17/2011	12:04	LB56477
	Copper	2.0	+/-10.0	U	2.0	10.0	P	08/17/2011	12:04	LB56477
	Iron	20.4	+/-50.0	U	20.4	50.0	P	08/17/2011	12:04	LB56477

CHEMTECH

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Malcolm Pirnie, Inc. **SDG No.:** C3398

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C3398 **SAS No.:** C3398

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB03	Lead	2.6	+/-6.0	U	2.6	6.0	P	08/17/2011	12:04	LB56477
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	08/17/2011	12:04	LB56477
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	08/17/2011	12:04	LB56477
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	08/17/2011	12:04	LB56477
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	08/17/2011	12:04	LB56477
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	08/17/2011	12:04	LB56477
	Silver	1.5	+/-5.0	U	1.5	5.0	P	08/17/2011	12:04	LB56477
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	08/17/2011	12:04	LB56477
	Thallium	5.4	+/-20.0	J	2.4	20.0	P	08/17/2011	12:04	LB56477
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	08/17/2011	12:04	LB56477
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	08/17/2011	12:04	LB56477
CCB04	Aluminum	9.6	+/-50.0	J	6.5	50.0	P	08/17/2011	12:36	LB56477
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	08/17/2011	12:36	LB56477
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	08/17/2011	12:36	LB56477
	Barium	4.0	+/-50.0	U	4.0	50.0	P	08/17/2011	12:36	LB56477
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	08/17/2011	12:36	LB56477
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	08/17/2011	12:36	LB56477
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	08/17/2011	12:36	LB56477
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	08/17/2011	12:36	LB56477
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	08/17/2011	12:36	LB56477
	Copper	2.0	+/-10.0	U	2.0	10.0	P	08/17/2011	12:36	LB56477
	Iron	20.4	+/-50.0	U	20.4	50.0	P	08/17/2011	12:36	LB56477
	Lead	2.6	+/-6.0	U	2.6	6.0	P	08/17/2011	12:36	LB56477
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	08/17/2011	12:36	LB56477
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	08/17/2011	12:36	LB56477
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	08/17/2011	12:36	LB56477
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	08/17/2011	12:36	LB56477
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	08/17/2011	12:36	LB56477
	Silver	1.5	+/-5.0	U	1.5	5.0	P	08/17/2011	12:36	LB56477
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	08/17/2011	12:36	LB56477
	Thallium	6.1	+/-20.0	J	2.4	20.0	P	08/17/2011	12:36	LB56477
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	08/17/2011	12:36	LB56477
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	08/17/2011	12:36	LB56477
CCB05	Aluminum	10.5	+/-50.0	J	6.5	50.0	P	08/17/2011	13:07	LB56477
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	08/17/2011	13:07	LB56477
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	08/17/2011	13:07	LB56477
	Barium	4.0	+/-50.0	U	4.0	50.0	P	08/17/2011	13:07	LB56477
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	08/17/2011	13:07	LB56477
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	08/17/2011	13:07	LB56477
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	08/17/2011	13:07	LB56477
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	08/17/2011	13:07	LB56477
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	08/17/2011	13:07	LB56477

CHEMTECH

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Malcolm Pirnie, Inc. **SDG No.:** C3398

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C3398 **SAS No.:** C3398

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB05	Copper	2.0	+/-10.0	U	2.0	10.0	P	08/17/2011	13:07	LB56477
	Iron	20.4	+/-50.0	U	20.4	50.0	P	08/17/2011	13:07	LB56477
	Lead	2.6	+/-6.0	U	2.6	6.0	P	08/17/2011	13:07	LB56477
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	08/17/2011	13:07	LB56477
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	08/17/2011	13:07	LB56477
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	08/17/2011	13:07	LB56477
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	08/17/2011	13:07	LB56477
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	08/17/2011	13:07	LB56477
	Silver	1.5	+/-5.0	U	1.5	5.0	P	08/17/2011	13:07	LB56477
	Sodium	21.4	+/-1000.0	J	13.9	1000.0	P	08/17/2011	13:07	LB56477
	Thallium	4.9	+/-20.0	J	2.4	20.0	P	08/17/2011	13:07	LB56477
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	08/17/2011	13:07	LB56477
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	08/17/2011	13:07	LB56477
CCB06	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	08/17/2011	13:39	LB56477
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	08/17/2011	13:39	LB56477
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	08/17/2011	13:39	LB56477
	Barium	4.0	+/-50.0	U	4.0	50.0	P	08/17/2011	13:39	LB56477
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	08/17/2011	13:39	LB56477
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	08/17/2011	13:39	LB56477
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	08/17/2011	13:39	LB56477
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	08/17/2011	13:39	LB56477
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	08/17/2011	13:39	LB56477
	Copper	2.0	+/-10.0	U	2.0	10.0	P	08/17/2011	13:39	LB56477
	Iron	20.4	+/-50.0	U	20.4	50.0	P	08/17/2011	13:39	LB56477
	Lead	2.6	+/-6.0	U	2.6	6.0	P	08/17/2011	13:39	LB56477
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	08/17/2011	13:39	LB56477
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	08/17/2011	13:39	LB56477
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	08/17/2011	13:39	LB56477
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	08/17/2011	13:39	LB56477
	Selenium	7.0	+/-10.0	J	4.8	10.0	P	08/17/2011	13:39	LB56477
	Silver	1.5	+/-5.0	U	1.5	5.0	P	08/17/2011	13:39	LB56477
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	08/17/2011	13:39	LB56477
	Thallium	5.5	+/-20.0	J	2.4	20.0	P	08/17/2011	13:39	LB56477
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	08/17/2011	13:39	LB56477
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	08/17/2011	13:39	LB56477
CCB07	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	08/17/2011	14:10	LB56477
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	08/17/2011	14:10	LB56477
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	08/17/2011	14:10	LB56477
	Barium	4.0	+/-50.0	U	4.0	50.0	P	08/17/2011	14:10	LB56477
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	08/17/2011	14:10	LB56477
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	08/17/2011	14:10	LB56477
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	08/17/2011	14:10	LB56477

CHEMTECH

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Malcolm Pirnie, Inc. **SDG No.:** C3398

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C3398 **SAS No.:** C3398

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB07	Chromium	1.1	+/-5.0	U	1.1	5.0	P	08/17/2011	14:10	LB56477
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	08/17/2011	14:10	LB56477
	Copper	2.0	+/-10.0	U	2.0	10.0	P	08/17/2011	14:10	LB56477
	Iron	20.4	+/-50.0	U	20.4	50.0	P	08/17/2011	14:10	LB56477
	Lead	2.6	+/-6.0	U	2.6	6.0	P	08/17/2011	14:10	LB56477
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	08/17/2011	14:10	LB56477
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	08/17/2011	14:10	LB56477
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	08/17/2011	14:10	LB56477
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	08/17/2011	14:10	LB56477
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	08/17/2011	14:10	LB56477
	Silver	1.5	+/-5.0	U	1.5	5.0	P	08/17/2011	14:10	LB56477
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	08/17/2011	14:10	LB56477
	Thallium	6.6	+/-20.0	J	2.4	20.0	P	08/17/2011	14:10	LB56477
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	08/17/2011	14:10	LB56477
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	08/17/2011	14:10	LB56477
CCB08	Aluminum	9.5	+/-50.0	J	6.5	50.0	P	08/17/2011	14:42	LB56477
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	08/17/2011	14:42	LB56477
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	08/17/2011	14:42	LB56477
	Barium	4.0	+/-50.0	U	4.0	50.0	P	08/17/2011	14:42	LB56477
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	08/17/2011	14:42	LB56477
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	08/17/2011	14:42	LB56477
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	08/17/2011	14:42	LB56477
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	08/17/2011	14:42	LB56477
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	08/17/2011	14:42	LB56477
	Copper	2.0	+/-10.0	J	2.0	10.0	P	08/17/2011	14:42	LB56477
	Iron	20.4	+/-50.0	U	20.4	50.0	P	08/17/2011	14:42	LB56477
	Lead	2.6	+/-6.0	U	2.6	6.0	P	08/17/2011	14:42	LB56477
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	08/17/2011	14:42	LB56477
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	08/17/2011	14:42	LB56477
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	08/17/2011	14:42	LB56477
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	08/17/2011	14:42	LB56477
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	08/17/2011	14:42	LB56477
	Silver	1.5	+/-5.0	U	1.5	5.0	P	08/17/2011	14:42	LB56477
	Sodium	51.8	+/-1000.0	J	13.9	1000.0	P	08/17/2011	14:42	LB56477
	Thallium	6.8	+/-20.0	J	2.4	20.0	P	08/17/2011	14:42	LB56477
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	08/17/2011	14:42	LB56477
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	08/17/2011	14:42	LB56477
CCB09	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	08/17/2011	15:14	LB56477
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	08/17/2011	15:14	LB56477
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	08/17/2011	15:14	LB56477
	Barium	4.0	+/-50.0	U	4.0	50.0	P	08/17/2011	15:14	LB56477
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	08/17/2011	15:14	LB56477

CHEMTECH

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Malcolm Pirnie, Inc. **SDG No.:** C3398

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C3398 **SAS No.:** C3398

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	08/17/2011	15:14	LB56477
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	08/17/2011	15:14	LB56477
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	08/17/2011	15:14	LB56477
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	08/17/2011	15:14	LB56477
	Copper	2.0	+/-10.0	U	2.0	10.0	P	08/17/2011	15:14	LB56477
	Iron	20.4	+/-50.0	U	20.4	50.0	P	08/17/2011	15:14	LB56477
	Lead	2.6	+/-6.0	U	2.6	6.0	P	08/17/2011	15:14	LB56477
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	08/17/2011	15:14	LB56477
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	08/17/2011	15:14	LB56477
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	08/17/2011	15:14	LB56477
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	08/17/2011	15:14	LB56477
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	08/17/2011	15:14	LB56477
	Silver	1.5	+/-5.0	U	1.5	5.0	P	08/17/2011	15:14	LB56477
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	08/17/2011	15:14	LB56477
	Thallium	5.5	+/-20.0	J	2.4	20.0	P	08/17/2011	15:14	LB56477
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	08/17/2011	15:14	LB56477
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	08/17/2011	15:14	LB56477
CCB10	Aluminum	12.4	+/-50.0	J	6.5	50.0	P	08/17/2011	15:46	LB56477
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	08/17/2011	15:46	LB56477
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	08/17/2011	15:46	LB56477
	Barium	4.0	+/-50.0	U	4.0	50.0	P	08/17/2011	15:46	LB56477
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	08/17/2011	15:46	LB56477
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	08/17/2011	15:46	LB56477
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	08/17/2011	15:46	LB56477
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	08/17/2011	15:46	LB56477
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	08/17/2011	15:46	LB56477
	Copper	2.0	+/-10.0	U	2.0	10.0	P	08/17/2011	15:46	LB56477
	Iron	20.4	+/-50.0	U	20.4	50.0	P	08/17/2011	15:46	LB56477
	Lead	2.6	+/-6.0	U	2.6	6.0	P	08/17/2011	15:46	LB56477
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	08/17/2011	15:46	LB56477
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	08/17/2011	15:46	LB56477
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	08/17/2011	15:46	LB56477
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	08/17/2011	15:46	LB56477
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	08/17/2011	15:46	LB56477
	Silver	1.5	+/-5.0	U	1.5	5.0	P	08/17/2011	15:46	LB56477
	Sodium	38.8	+/-1000.0	J	13.9	1000.0	P	08/17/2011	15:46	LB56477
	Thallium	5.4	+/-20.0	J	2.4	20.0	P	08/17/2011	15:46	LB56477
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	08/17/2011	15:46	LB56477
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	08/17/2011	15:46	LB56477
CCB11	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	08/17/2011	16:18	LB56477
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	08/17/2011	16:18	LB56477
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	08/17/2011	16:18	LB56477

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Malcolm Pirnie, Inc. **SDG No.:** C3398

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C3398 **SAS No.:** C3398

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB11	Barium	4.0	+/-50.0	U	4.0	50.0	P	08/17/2011	16:18	LB56477
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	08/17/2011	16:18	LB56477
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	08/17/2011	16:18	LB56477
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	08/17/2011	16:18	LB56477
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	08/17/2011	16:18	LB56477
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	08/17/2011	16:18	LB56477
	Copper	2.0	+/-10.0	U	2.0	10.0	P	08/17/2011	16:18	LB56477
	Iron	20.4	+/-50.0	U	20.4	50.0	P	08/17/2011	16:18	LB56477
	Lead	2.6	+/-6.0	U	2.6	6.0	P	08/17/2011	16:18	LB56477
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	08/17/2011	16:18	LB56477
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	08/17/2011	16:18	LB56477
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	08/17/2011	16:18	LB56477
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	08/17/2011	16:18	LB56477
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	08/17/2011	16:18	LB56477
	Silver	1.5	+/-5.0	U	1.5	5.0	P	08/17/2011	16:18	LB56477
	Sodium	49.4	+/-1000.0	J	13.9	1000.0	P	08/17/2011	16:18	LB56477
	Thallium	6.9	+/-20.0	J	2.4	20.0	P	08/17/2011	16:18	LB56477
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	08/17/2011	16:18	LB56477
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	08/17/2011	16:18	LB56477
CCB12	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	08/17/2011	16:51	LB56477
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	08/17/2011	16:51	LB56477
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	08/17/2011	16:51	LB56477
	Barium	4.0	+/-50.0	U	4.0	50.0	P	08/17/2011	16:51	LB56477
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	08/17/2011	16:51	LB56477
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	08/17/2011	16:51	LB56477
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	08/17/2011	16:51	LB56477
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	08/17/2011	16:51	LB56477
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	08/17/2011	16:51	LB56477
	Copper	2.0	+/-10.0	U	2.0	10.0	P	08/17/2011	16:51	LB56477
	Iron	20.4	+/-50.0	U	20.4	50.0	P	08/17/2011	16:51	LB56477
	Lead	2.6	+/-6.0	U	2.6	6.0	P	08/17/2011	16:51	LB56477
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	08/17/2011	16:51	LB56477
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	08/17/2011	16:51	LB56477
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	08/17/2011	16:51	LB56477
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	08/17/2011	16:51	LB56477
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	08/17/2011	16:51	LB56477
	Silver	1.5	+/-5.0	U	1.5	5.0	P	08/17/2011	16:51	LB56477
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	08/17/2011	16:51	LB56477
	Thallium	6.3	+/-20.0	J	2.4	20.0	P	08/17/2011	16:51	LB56477
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	08/17/2011	16:51	LB56477
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	08/17/2011	16:51	LB56477
CCB13	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	08/17/2011	17:23	LB56477

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Malcolm Pirnie, Inc. **SDG No.:** C3398

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C3398 **SAS No.:** C3398

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB13	Antimony	8.0	+/-25.0	U	8.0	25.0	P	08/17/2011	17:23	LB56477
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	08/17/2011	17:23	LB56477
	Barium	4.0	+/-50.0	U	4.0	50.0	P	08/17/2011	17:23	LB56477
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	08/17/2011	17:23	LB56477
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	08/17/2011	17:23	LB56477
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	08/17/2011	17:23	LB56477
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	08/17/2011	17:23	LB56477
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	08/17/2011	17:23	LB56477
	Copper	2.0	+/-10.0	U	2.0	10.0	P	08/17/2011	17:23	LB56477
	Iron	20.4	+/-50.0	U	20.4	50.0	P	08/17/2011	17:23	LB56477
	Lead	2.6	+/-6.0	U	2.6	6.0	P	08/17/2011	17:23	LB56477
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	08/17/2011	17:23	LB56477
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	08/17/2011	17:23	LB56477
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	08/17/2011	17:23	LB56477
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	08/17/2011	17:23	LB56477
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	08/17/2011	17:23	LB56477
	Silver	1.5	+/-5.0	U	1.5	5.0	P	08/17/2011	17:23	LB56477
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	08/17/2011	17:23	LB56477
	Thallium	6.7	+/-20.0	J	2.4	20.0	P	08/17/2011	17:23	LB56477
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	08/17/2011	17:23	LB56477
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	08/17/2011	17:23	LB56477
CCB14	Aluminum	8.1	+/-50.0	J	6.5	50.0	P	08/17/2011	17:56	LB56477
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	08/17/2011	17:56	LB56477
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	08/17/2011	17:56	LB56477
	Barium	4.0	+/-50.0	U	4.0	50.0	P	08/17/2011	17:56	LB56477
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	08/17/2011	17:56	LB56477
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	08/17/2011	17:56	LB56477
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	08/17/2011	17:56	LB56477
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	08/17/2011	17:56	LB56477
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	08/17/2011	17:56	LB56477
	Copper	2.0	+/-10.0	U	2.0	10.0	P	08/17/2011	17:56	LB56477
	Iron	20.4	+/-50.0	U	20.4	50.0	P	08/17/2011	17:56	LB56477
	Lead	2.6	+/-6.0	U	2.6	6.0	P	08/17/2011	17:56	LB56477
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	08/17/2011	17:56	LB56477
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	08/17/2011	17:56	LB56477
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	08/17/2011	17:56	LB56477
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	08/17/2011	17:56	LB56477
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	08/17/2011	17:56	LB56477
	Silver	1.5	+/-5.0	U	1.5	5.0	P	08/17/2011	17:56	LB56477
	Sodium	121.5	+/-1000.0	J	13.9	1000.0	P	08/17/2011	17:56	LB56477
	Thallium	5.8	+/-20.0	J	2.4	20.0	P	08/17/2011	17:56	LB56477
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	08/17/2011	17:56	LB56477

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Malcolm Pirnie, Inc. **SDG No.:** C3398

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C3398 **SAS No.:** C3398

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB14	Zinc	6.5	+/-20.0	U	6.5	20.0	P	08/17/2011	17:56	LB56477
CCB15	Aluminum	9.8	+/-50.0	J	6.5	50.0	P	08/17/2011	18:28	LB56477
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	08/17/2011	18:28	LB56477
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	08/17/2011	18:28	LB56477
	Barium	4.0	+/-50.0	U	4.0	50.0	P	08/17/2011	18:28	LB56477
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	08/17/2011	18:28	LB56477
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	08/17/2011	18:28	LB56477
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	08/17/2011	18:28	LB56477
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	08/17/2011	18:28	LB56477
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	08/17/2011	18:28	LB56477
	Copper	2.0	+/-10.0	U	2.0	10.0	P	08/17/2011	18:28	LB56477
	Iron	20.4	+/-50.0	U	20.4	50.0	P	08/17/2011	18:28	LB56477
	Lead	2.6	+/-6.0	U	2.6	6.0	P	08/17/2011	18:28	LB56477
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	08/17/2011	18:28	LB56477
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	08/17/2011	18:28	LB56477
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	08/17/2011	18:28	LB56477
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	08/17/2011	18:28	LB56477
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	08/17/2011	18:28	LB56477
	Silver	1.5	+/-5.0	U	1.5	5.0	P	08/17/2011	18:28	LB56477
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	08/17/2011	18:28	LB56477
	Thallium	5.8	+/-20.0	J	2.4	20.0	P	08/17/2011	18:28	LB56477
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	08/17/2011	18:28	LB56477
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	08/17/2011	18:28	LB56477
CCB16	Aluminum	13.2	+/-50.0	J	6.5	50.0	P	08/17/2011	19:01	LB56477
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	08/17/2011	19:01	LB56477
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	08/17/2011	19:01	LB56477
	Barium	4.0	+/-50.0	U	4.0	50.0	P	08/17/2011	19:01	LB56477
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	08/17/2011	19:01	LB56477
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	08/17/2011	19:01	LB56477
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	08/17/2011	19:01	LB56477
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	08/17/2011	19:01	LB56477
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	08/17/2011	19:01	LB56477
	Copper	2.0	+/-10.0	U	2.0	10.0	P	08/17/2011	19:01	LB56477
	Iron	20.4	+/-50.0	U	20.4	50.0	P	08/17/2011	19:01	LB56477
	Lead	2.6	+/-6.0	U	2.6	6.0	P	08/17/2011	19:01	LB56477
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	08/17/2011	19:01	LB56477
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	08/17/2011	19:01	LB56477
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	08/17/2011	19:01	LB56477
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	08/17/2011	19:01	LB56477
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	08/17/2011	19:01	LB56477
	Silver	1.5	+/-5.0	U	1.5	5.0	P	08/17/2011	19:01	LB56477
	Sodium	99.2	+/-1000.0	J	13.9	1000.0	P	08/17/2011	19:01	LB56477

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Malcolm Pirnie, Inc. **SDG No.:** C3398

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C3398 **SAS No.:** C3398

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB16	Thallium	5.3	+/-20.0	J	2.4	20.0	P	08/17/2011	19:01	LB56477
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	08/17/2011	19:01	LB56477
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	08/17/2011	19:01	LB56477
CCB17	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	08/17/2011	19:34	LB56477
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	08/17/2011	19:34	LB56477
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	08/17/2011	19:34	LB56477
	Barium	4.0	+/-50.0	U	4.0	50.0	P	08/17/2011	19:34	LB56477
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	08/17/2011	19:34	LB56477
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	08/17/2011	19:34	LB56477
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	08/17/2011	19:34	LB56477
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	08/17/2011	19:34	LB56477
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	08/17/2011	19:34	LB56477
	Copper	2.0	+/-10.0	U	2.0	10.0	P	08/17/2011	19:34	LB56477
	Iron	20.4	+/-50.0	U	20.4	50.0	P	08/17/2011	19:34	LB56477
	Lead	2.6	+/-6.0	U	2.6	6.0	P	08/17/2011	19:34	LB56477
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	08/17/2011	19:34	LB56477
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	08/17/2011	19:34	LB56477
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	08/17/2011	19:34	LB56477
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	08/17/2011	19:34	LB56477
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	08/17/2011	19:34	LB56477
	Silver	1.5	+/-5.0	U	1.5	5.0	P	08/17/2011	19:34	LB56477
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	08/17/2011	19:34	LB56477
	Thallium	5.0	+/-20.0	J	2.4	20.0	P	08/17/2011	19:34	LB56477
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	08/17/2011	19:34	LB56477
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	08/17/2011	19:34	LB56477
CCB18	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	08/17/2011	20:07	LB56477
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	08/17/2011	20:07	LB56477
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	08/17/2011	20:07	LB56477
	Barium	4.0	+/-50.0	U	4.0	50.0	P	08/17/2011	20:07	LB56477
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	08/17/2011	20:07	LB56477
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	08/17/2011	20:07	LB56477
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	08/17/2011	20:07	LB56477
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	08/17/2011	20:07	LB56477
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	08/17/2011	20:07	LB56477
	Copper	2.0	+/-10.0	U	2.0	10.0	P	08/17/2011	20:07	LB56477
	Iron	20.4	+/-50.0	U	20.4	50.0	P	08/17/2011	20:07	LB56477
	Lead	2.6	+/-6.0	U	2.6	6.0	P	08/17/2011	20:07	LB56477
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	08/17/2011	20:07	LB56477
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	08/17/2011	20:07	LB56477
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	08/17/2011	20:07	LB56477
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	08/17/2011	20:07	LB56477
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	08/17/2011	20:07	LB56477

CHEMTECH

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Malcolm Pirnie, Inc. **SDG No.:** C3398

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C3398 **SAS No.:** C3398

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB18	Silver	1.5	+/-5.0	U	1.5	5.0	P	08/17/2011	20:07	LB56477
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	08/17/2011	20:07	LB56477
	Thallium	8.0	+/-20.0	J	2.4	20.0	P	08/17/2011	20:07	LB56477
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	08/17/2011	20:07	LB56477
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	08/17/2011	20:07	LB56477
CCB19	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	08/17/2011	20:39	LB56477
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	08/17/2011	20:39	LB56477
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	08/17/2011	20:39	LB56477
	Barium	4.0	+/-50.0	U	4.0	50.0	P	08/17/2011	20:39	LB56477
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	08/17/2011	20:39	LB56477
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	08/17/2011	20:39	LB56477
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	08/17/2011	20:39	LB56477
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	08/17/2011	20:39	LB56477
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	08/17/2011	20:39	LB56477
	Copper	2.0	+/-10.0	U	2.0	10.0	P	08/17/2011	20:39	LB56477
	Iron	20.4	+/-50.0	U	20.4	50.0	P	08/17/2011	20:39	LB56477
	Lead	2.6	+/-6.0	U	2.6	6.0	P	08/17/2011	20:39	LB56477
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	08/17/2011	20:39	LB56477
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	08/17/2011	20:39	LB56477
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	08/17/2011	20:39	LB56477
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	08/17/2011	20:39	LB56477
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	08/17/2011	20:39	LB56477
	Silver	1.5	+/-5.0	U	1.5	5.0	P	08/17/2011	20:39	LB56477
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	08/17/2011	20:39	LB56477
	Thallium	6.6	+/-20.0	J	2.4	20.0	P	08/17/2011	20:39	LB56477
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	08/17/2011	20:39	LB56477
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	08/17/2011	20:39	LB56477
CCB20	Aluminum	13.3	+/-50.0	J	6.5	50.0	P	08/17/2011	21:12	LB56477
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	08/17/2011	21:12	LB56477
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	08/17/2011	21:12	LB56477
	Barium	4.0	+/-50.0	U	4.0	50.0	P	08/17/2011	21:12	LB56477
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	08/17/2011	21:12	LB56477
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	08/17/2011	21:12	LB56477
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	08/17/2011	21:12	LB56477
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	08/17/2011	21:12	LB56477
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	08/17/2011	21:12	LB56477
	Copper	2.0	+/-10.0	U	2.0	10.0	P	08/17/2011	21:12	LB56477
	Iron	20.4	+/-50.0	U	20.4	50.0	P	08/17/2011	21:12	LB56477
	Lead	2.6	+/-6.0	U	2.6	6.0	P	08/17/2011	21:12	LB56477
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	08/17/2011	21:12	LB56477
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	08/17/2011	21:12	LB56477
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	08/17/2011	21:12	LB56477

CHEMTECH

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Malcolm Pirnie, Inc. **SDG No.:** C3398

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C3398 **SAS No.:** C3398

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB20	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	08/17/2011	21:12	LB56477
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	08/17/2011	21:12	LB56477
	Silver	1.5	+/-5.0	U	1.5	5.0	P	08/17/2011	21:12	LB56477
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	08/17/2011	21:12	LB56477
	Thallium	5.9	+/-20.0	J	2.4	20.0	P	08/17/2011	21:12	LB56477
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	08/17/2011	21:12	LB56477
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	08/17/2011	21:12	LB56477
CCB21	Aluminum	9.3	+/-50.0	J	6.5	50.0	P	08/17/2011	21:36	LB56477
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	08/17/2011	21:36	LB56477
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	08/17/2011	21:36	LB56477
	Barium	4.0	+/-50.0	U	4.0	50.0	P	08/17/2011	21:36	LB56477
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	08/17/2011	21:36	LB56477
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	08/17/2011	21:36	LB56477
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	08/17/2011	21:36	LB56477
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	08/17/2011	21:36	LB56477
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	08/17/2011	21:36	LB56477
	Copper	2.6	+/-10.0	J	2.0	10.0	P	08/17/2011	21:36	LB56477
	Iron	20.4	+/-50.0	U	20.4	50.0	P	08/17/2011	21:36	LB56477
	Lead	2.6	+/-6.0	U	2.6	6.0	P	08/17/2011	21:36	LB56477
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	08/17/2011	21:36	LB56477
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	08/17/2011	21:36	LB56477
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	08/17/2011	21:36	LB56477
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	08/17/2011	21:36	LB56477
	Selenium	5.4	+/-10.0	J	4.8	10.0	P	08/17/2011	21:36	LB56477
	Silver	1.5	+/-5.0	U	1.5	5.0	P	08/17/2011	21:36	LB56477
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	08/17/2011	21:36	LB56477
	Thallium	6.3	+/-20.0	J	2.4	20.0	P	08/17/2011	21:36	LB56477
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	08/17/2011	21:36	LB56477
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	08/17/2011	21:36	LB56477

CHEMTECH

Metals
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PREPARATION BLANK SUMMARY

Client: Malcolm Pirnie, Inc. **SDG No.:** C3398

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	MDL mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB57461BL		**SOIL**		**Batch Number:**		**PB57461**		**Prep Date:**	**08/16/2011**	
	Mercury	0.002	<0.010	U	0.002	0.010	CV	08/17/2011	11:18	LB56472
PB57441BL		**SOIL**		**Batch Number:**		**PB57441**		**Prep Date:**	**08/16/2011**	
	Aluminum	0.864	<5.000	J	0.840	5.000	P	08/17/2011	13:03	LB56486
	Antimony	0.560	<2.500	U	0.560	2.500	P	08/17/2011	13:03	LB56486
	Arsenic	0.330	<1.000	U	0.330	1.000	P	08/17/2011	13:03	LB56486
	Barium	0.400	<5.000	U	0.400	5.000	P	08/17/2011	13:03	LB56486
	Beryllium	0.060	<0.300	U	0.060	0.300	P	08/17/2011	13:03	LB56486
	Cadmium	0.060	<0.300	U	0.060	0.300	P	08/17/2011	13:03	LB56486
	Calcium	10.511	<100.000	J	1.070	100.000	P	08/17/2011	13:03	LB56486
	Chromium	0.130	<0.500	U	0.130	0.500	P	08/17/2011	13:03	LB56486
	Cobalt	0.570	<1.500	U	0.570	1.500	P	08/17/2011	13:03	LB56486
	Copper	0.320	<1.000	U	0.320	1.000	P	08/17/2011	13:03	LB56486
	Iron	1.330	<5.000	U	1.330	5.000	P	08/17/2011	13:03	LB56486
	Lead	0.120	<0.600	U	0.120	0.600	P	08/17/2011	13:03	LB56486
	Magnesium	4.580	<100.000	U	4.580	100.000	P	08/17/2011	13:03	LB56486
	Manganese	0.190	<1.000	U	0.190	1.000	P	08/17/2011	13:03	LB56486
	Nickel	0.460	<2.000	U	0.460	2.000	P	08/17/2011	13:03	LB56486
	Potassium	3.500	<100.000	U	3.500	100.000	P	08/17/2011	13:03	LB56486
	Selenium	0.410	<1.000	U	0.410	1.000	P	08/17/2011	13:03	LB56486
	Silver	0.150	<0.500	U	0.150	0.500	P	08/17/2011	13:03	LB56486
	Sodium	2.520	<100.000	U	2.520	100.000	P	08/17/2011	13:03	LB56486
	Thallium	0.270	<2.000	U	0.270	2.000	P	08/17/2011	13:03	LB56486
	Vanadium	0.590	<2.000	U	0.590	2.000	P	08/17/2011	13:03	LB56486
	Zinc	0.700	<2.000	U	0.700	2.000	P	08/17/2011	13:03	LB56486

CHEMTECH

Metals
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MATRIX SPIKE SUMMARY

Client: Malcolm Pirnie, Inc. **Level:** LOW **SDG No.:** C3398

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C3398 **SAS No.:** C3398

Matrix: SOIL **Sample ID:** C3383-01 **Client ID:** SB-08(2-2.5)S

Percent Solids for Sample: 96.3 **Spiked ID:** C3383-01S **Percent Solids for Spike Sample:** 96.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	10 - 240	3628.8680		2673.6240		207.68	460.0		P
Antimony	mg/Kg	47 - 131	70.2451		0.5815	U	83.07	84.6		P
Arsenic	mg/Kg	73 - 114	79.8359		3.9875		83.07	91.3		P
Barium	mg/Kg	39 - 158	29.4237		8.8723		20.77	98.9		P
Beryllium	mg/Kg	79 - 112	17.5431		0.1859	J	20.77	83.6		P
Cadmium	mg/Kg	73 - 114	17.2378		0.0623	U	20.77	83.0		P
Calcium	mg/Kg	10 - 194	471.6926		459.6158		103.84	11.6		P
Chromium	mg/Kg	68 - 122	50.5047		17.0353		41.54	80.6		P
Cobalt	mg/Kg	68 - 119	21.3821		2.6158		20.77	90.4		P
Copper	mg/Kg	59 - 132	36.5576		8.7767		31.15	89.2		P
Iron	mg/Kg	10 - 289	16600.2100		19082.0300		311.53	-796.7		P
Lead	mg/Kg	66 - 125	96.6428		4.6324		103.84	88.6		P
Magnesium	mg/Kg	10 - 208	1768.5360		1270.6130		207.68	239.8		P
Manganese	mg/Kg	10 - 205	84.5732		77.3624		20.77	34.7		P
Nickel	mg/Kg	64 - 129	52.6314		5.4694		51.92	90.8		P
Potassium	mg/Kg	37 - 158	1597.7150		631.2877		1038.42	93.1		P
Selenium	mg/Kg	69 - 105	188.1205		0.4258	U	207.68	90.6		P
Silver	mg/Kg	54 - 131	7.4548		0.5400		7.79	88.8		P
Sodium	mg/Kg	10 - 139	877.5598		624.7455		311.53	81.2		P
Thallium	mg/Kg	74 - 116	187.8297		0.2804	U	207.68	90.4		P
Vanadium	mg/Kg	67 - 127	48.7923		17.6906		31.15	99.8		P
Zinc	mg/Kg	67 - 127	39.2181		22.8588		20.77	78.8		P

CHEMTECH

Metals
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MATRIX SPIKE DUPLICATE SUMMARY

Client: Malcolm Pirnie, Inc. **Level:** LOW **SDG No.:** C3398

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C3398 **SAS No.:** C3398

Matrix: SOIL **Sample ID:** C3383-01 **Client ID:** SB-08(2-2.5)SD

Percent Solids for Sample: 96.3 **Spiked ID:** C3383-01SD **Percent Solids for Spike Sample:** 96.3

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	10 - 240	2499.8960		2673.6240		207.68	-83.7		P
Antimony	mg/Kg	47 - 131	73.7311		0.5815	U	83.07	88.8		P
Arsenic	mg/Kg	73 - 114	77.2648		3.9875		83.07	88.2		P
Barium	mg/Kg	39 - 158	27.0114		8.8723		20.77	87.3		P
Beryllium	mg/Kg	79 - 112	17.2908		0.1859	J	20.77	82.4		P
Cadmium	mg/Kg	73 - 114	16.5379		0.0623	U	20.77	79.6		P
Calcium	mg/Kg	10 - 194	480.9865		459.6158		103.84	20.6		P
Chromium	mg/Kg	68 - 122	49.2617		17.0353		41.54	77.6		P
Cobalt	mg/Kg	68 - 119	20.2523		2.6158		20.77	84.9		P
Copper	mg/Kg	59 - 132	33.8536		8.7767		31.15	80.5		P
Iron	mg/Kg	10 - 289	16467.2900		19082.0300		311.53	-839.3		P
Lead	mg/Kg	66 - 125	91.6729		4.6324		103.84	83.8		P
Magnesium	mg/Kg	10 - 208	1266.9780		1270.6130		207.68	-1.8		P
Manganese	mg/Kg	10 - 205	105.6698		77.3624		20.77	136.3		P
Nickel	mg/Kg	64 - 129	49.5639		5.4694		51.92	84.9		P
Potassium	mg/Kg	37 - 158	1485.1510		631.2877		1038.42	82.2		P
Selenium	mg/Kg	69 - 105	181.7445		0.4258	U	207.68	87.5		P
Silver	mg/Kg	54 - 131	7.1921		0.5400		7.79	85.4		P
Sodium	mg/Kg	10 - 139	855.6282		624.7455		311.53	74.1		P
Thallium	mg/Kg	74 - 116	179.7819		0.2804	U	207.68	86.6		P
Vanadium	mg/Kg	67 - 127	41.6552		17.6906		31.15	76.9		P
Zinc	mg/Kg	67 - 127	36.5691		22.8588		20.77	66.0	N	P

CHEMTECH

Metals
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MATRIX SPIKE SUMMARY

Client: Malcolm Pirnie, Inc. **Level:** LOW **SDG No.:** C3398

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C3398 **SAS No.:** C3398

Matrix: SOIL **Sample ID:** C3391-01 **Client ID:** SB-21(2-2.5)S

Percent Solids for Sample: 93.9 **Spiked ID:** C3391-01S **Percent Solids for Spike Sample:** 93.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	34 - 153	0.2236		0.0050	J	0.21	104.1		CV

CHEMTECH

Metals
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MATRIX SPIKE DUPLICATE SUMMARY

Client: Malcolm Pirnie, Inc. **Level:** LOW **SDG No.:** C3398

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C3398 **SAS No.:** C3398

Matrix: SOIL **Sample ID:** C3391-01 **Client ID:** SB-21(2-2.5)SD

Percent Solids for Sample: 93.9 **Spiked ID:** C3391-01SD **Percent Solids for Spike Sample:** 93.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	34 - 153	0.2199		0.0050	J	0.21	102.3		CV

CHEMTECH

Metals
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POST DIGEST SPIKE SUMMARY

Client: Malcolm Pirnie, Inc. **SDG No.:** C3398

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C3398 **SAS No.:** C3398

Matrix: WATER **Level:** LOW **Client ID:** SB-08(2-2.5)A

Sample ID: C3383-01 **Spiked ID:** C3383-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Zinc	ug/L	75 - 125	333.68		220.13		200.0	56.8		P

CHEMTECH

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Malcolm Pirnie, Inc. **Level:** LOW **SDG No.:** C3398

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C3398 **SAS No.:** C3398

Matrix: SOIL **Sample ID:** C3383-01 **Client ID:** SB-08(2-2.5)D

Percent Solids for Sample: 96.3 **Duplicate ID** C3383-01D **Percent Solids for Spike Sample:** 96.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	2673.6240		2257.8400		16.9		P
Antimony	mg/Kg	20	0.5815	U	0.5815	U			P
Arsenic	mg/Kg	20	3.9875		2.7227		37.7		P
Barium	mg/Kg	20	8.8723		7.3894		18.2		P
Beryllium	mg/Kg	20	0.1859	J	0.1340	J	32.4		P
Cadmium	mg/Kg	20	0.0623	U	0.0623	U			P
Calcium	mg/Kg	20	459.6158		336.8224		30.8	*	P
Chromium	mg/Kg	20	17.0353		13.7726		21.2	*	P
Cobalt	mg/Kg	20	2.6158		2.2939		13.1		P
Copper	mg/Kg	20	8.7767		7.4538		16.3		P
Iron	mg/Kg	20	19082.0300		12652.1300		40.5	*	P
Lead	mg/Kg	20	4.6324		4.3396		6.5		P
Magnesium	mg/Kg	20	1270.6130		1176.4280		7.7		P
Manganese	mg/Kg	20	77.3624		55.1755		33.5	*	P
Nickel	mg/Kg	20	5.4694		5.0270		8.4		P
Potassium	mg/Kg	20	631.2877		551.5784		13.5		P
Selenium	mg/Kg	20	0.4258	U	0.4258	U			P
Silver	mg/Kg	20	0.5400		0.3489	J	43.0		P
Sodium	mg/Kg	20	624.7455		483.0322		25.6	*	P
Thallium	mg/Kg	20	0.2804	U	0.2804	U			P
Vanadium	mg/Kg	20	17.6906		13.3313		28.1	*	P
Zinc	mg/Kg	20	22.8588		19.8484		14.1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

CHEMTECH

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Malcolm Pirnie, Inc. **Level:** LOW **SDG No.:** C3398

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C3398 **SAS No.:** C3398

Matrix: SOIL **Sample ID:** C3383-01 **Client ID:** SB-08(2-2.5)SD

Percent Solids for Sample: 96.3 **Duplicate ID** C3383-01SD **Percent Solids for Spike Sample:** 96.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	3628.8680		2499.8960		36.8	*	P
Antimony	mg/Kg	20	70.2451		73.7311		4.8		P
Arsenic	mg/Kg	20	79.8359		77.2648		3.3		P
Barium	mg/Kg	20	29.4237		27.0114		8.5		P
Beryllium	mg/Kg	20	17.5431		17.2908		1.4		P
Cadmium	mg/Kg	20	17.2378		16.5379		4.1		P
Calcium	mg/Kg	20	471.6926		480.9865		2.0		P
Chromium	mg/Kg	20	50.5047		49.2617		2.5		P
Cobalt	mg/Kg	20	21.3821		20.2523		5.4		P
Copper	mg/Kg	20	36.5576		33.8536		7.7		P
Iron	mg/Kg	20	16600.2100		16467.2900		0.8		P
Lead	mg/Kg	20	96.6428		91.6729		5.3		P
Magnesium	mg/Kg	20	1768.5360		1266.9780		33.0	*	P
Manganese	mg/Kg	20	84.5732		105.6698		22.2	*	P
Nickel	mg/Kg	20	52.6314		49.5639		6.0		P
Potassium	mg/Kg	20	1597.7150		1485.1510		7.3		P
Selenium	mg/Kg	20	188.1205		181.7445		3.4		P
Silver	mg/Kg	20	7.4548		7.1921		3.6		P
Sodium	mg/Kg	20	877.5598		855.6282		2.5		P
Thallium	mg/Kg	20	187.8297		179.7819		4.4		P
Vanadium	mg/Kg	20	48.7923		41.6552		15.8		P
Zinc	mg/Kg	20	39.2181		36.5691		7.0		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

CHEMTECH

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Malcolm Pirnie, Inc. **Level:** LOW **SDG No.:** C3398

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C3398 **SAS No.:** C3398

Matrix: SOIL **Sample ID:** C3391-01 **Client ID:** SB-21(2-2.5)D

Percent Solids for Sample: 93.9 **Duplicate ID** C3391-01D **Percent Solids for Spike Sample:** 93.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.0050	J	0.0132		90.1		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

CHEMTECH

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Malcolm Pirnie, Inc. **Level:** LOW **SDG No.:** C3398

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C3398 **SAS No.:** C3398

Matrix: SOIL **Sample ID:** C3391-01 **Client ID:** SB-21(2-2.5)SD

Percent Solids for Sample: 93.9 **Duplicate ID** C3391-01SD **Percent Solids for Spike Sample:** 93.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.2236		0.2199		1.7		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

LABORATORY CONTROL SAMPLE SUMMARY

Client: Malcolm Pirnie, Inc. **SDG No.:** C3398

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C3398 **SAS No.:** C3398

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB57441BS							
Aluminum	mg/Kg	200.0	186.3		93.2	76 - 118	P
Antimony	mg/Kg	80.0	75.6		94.5	81 - 112	P
Arsenic	mg/Kg	80.0	75.2		94.0	82 - 112	P
Barium	mg/Kg	20.0	19.6		98.0	83 - 118	P
Beryllium	mg/Kg	20.0	18.1		90.5	84 - 113	P
Cadmium	mg/Kg	20.0	18.2		91.0	82 - 117	P
Calcium	mg/Kg	100.0	95.5	J	95.5	78 - 138	P
Chromium	mg/Kg	40.0	36.5		91.2	84 - 115	P
Cobalt	mg/Kg	20.0	18.4		92.0	84 - 114	P
Copper	mg/Kg	30.0	28.5		95.0	80 - 115	P
Iron	mg/Kg	300.0	289.1		96.4	78 - 109	P
Lead	mg/Kg	100.0	90.8		90.8	82 - 117	P
Magnesium	mg/Kg	200.0	188.1		94.0	80 - 121	P
Manganese	mg/Kg	20.0	19.1		95.5	84 - 114	P
Nickel	mg/Kg	50.0	46.2		92.4	85 - 118	P
Potassium	mg/Kg	1000.0	923.0		92.3	67 - 116	P
Selenium	mg/Kg	200.0	192.5		96.2	74 - 110	P
Silver	mg/Kg	7.5	7.0		93.3	81 - 123	P
Sodium	mg/Kg	300.0	282.6		94.2	70 - 135	P
Thallium	mg/Kg	200.0	186.4		93.2	86 - 119	P
Vanadium	mg/Kg	30.0	27.8		92.7	84 - 113	P
Zinc	mg/Kg	20.0	18.9		94.5	88 - 127	P

LABORATORY CONTROL SAMPLE SUMMARY

Client: Malcolm Pirnie, Inc. **SDG No.:** C3398

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C3398 **SAS No.:** C3398

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB57461BS							
Mercury	mg/Kg	0.200	0.204		102.0	73 - 121	CV

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

ANALYTICAL RESULTS
SUMMARY

PROJECT NAME : 02-66-384 FORMER MAJESTIC CLEANERS

ARCADIS INC.
855 Route 146, Suite 210

Clifton Park , NY - 12065
Phone No: 518-250-7300

ORDER ID : **D2950**
ATTENTION : **Stefan Bagnato**

ACCREDITED IN ACCORDANCE WITH nelac
DoD ELAP

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Cover Page

Order ID : D2950

Project ID : 02-66-384 Former Majestic cleaners

Client : Arcadis Inc.

Lab Sample Number	Client Sample Number
D2950-01	TRIPBLANK
D2950-02	PZ-11
D2950-03	DUP-053112
D2950-04	PZ-13
D2950-05	D2950-04MS
D2950-06	D2950-04MSD
D2950-07	IDW-053112
D2950-08	PZ-14
D2950-09	PZ-12
D2950-10	PZ-15
D2950-11	PZ-16
D2950-12	IDW-060412

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
TRIPBLANK	D2950-01	8260-Low					
PZ-11	D2950-02	8260-Low	8270D				
DUP-053112	D2950-03	8260-Low	8270D				
PZ-13	D2950-04	8260-Low	8270D				
IDW-053112	D2950-07	8260C				6010B, 7471A	Chemtech -SOP
PZ-14	D2950-08	8260-Low	8270D				
PZ-12	D2950-09	8260-Low	8270D				
PZ-15	D2950-10	8260-Low	8270D				
PZ-16	D2950-11	8260-Low	8270D				
IDW-060412	D2950-12	8260C				6010B, 7471A	Chemtech -SOP

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIa

SAMPLE PREPARATION AND ANALYSIS SUMMARY SEMIVOLATILE (BNA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
D2950-02	WATER	05/31/12	06/02/12	06/05/12	06/06/12
D2950-03	WATER	05/31/12	06/02/12	06/05/12	06/06/12
D2950-04	WATER	05/31/12	06/02/12	06/05/12	06/06/12
D2950-08	WATER	05/31/12	06/02/12	06/05/12	06/06/12
D2950-09	WATER	05/31/12	06/02/12	06/05/12	06/06/12
D2950-10	WATER	06/01/12	06/02/12	06/05/12	06/06/12
D2950-11	WATER	06/01/12	06/02/12	06/05/12	06/06/12

* Details For Test :SVOC-TCL BNA -20

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
D2950-07	SOIL	05/31/12	06/02/12		06/06/12
D2950-12	SOIL	06/04/12	06/05/12		06/06/12
D2950-01	WATER	05/31/12	06/02/12		06/05/12
D2950-02	WATER	05/31/12	06/02/12		06/06/12
D2950-03	WATER	05/31/12	06/02/12		06/06/12
D2950-04	WATER	05/31/12	06/02/12		06/06/12
D2950-08	WATER	05/31/12	06/02/12		06/06/12
D2950-09	WATER	05/31/12	06/02/12		06/06/12
D2950-10	WATER	06/01/12	06/02/12		06/06/12
D2950-11	WATER	06/01/12	06/02/12		06/06/12

* Details For Test :VOC-TCLVOA-10

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY
MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
D2950-01	Water	8260-Low	5030		
D2950-02	Water	8260-Low	5030		
D2950-03	Water	8260-Low	5030		
D2950-04	Water	8260-Low	5030		
D2950-05	Water	8260-Low	5030		
D2950-06	Water	8260-Low	5030		
D2950-07	Solid	8260-Low,8260C	5030,5035		
D2950-08	Water	8260-Low,8260C	5030,5035		
D2950-09	Water	8260-Low,8260C	5030,5035		
D2950-10	Water		5030,5035		

		8260-Low,8260C			
D2950-11	Water	8260-Low,8260C	5030,5035		
D2950-12	Solid	8260-Low,8260C	5030,5035		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
D2950-07	SOIL	Mercury	06/02/12	06/04/12	06/05/12
D2950-12	SOIL	Mercury	06/05/12	06/06/12	06/08/12

* Details For Test :Mercury

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY
MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
D2950-02	Water	8270D	3510C		
D2950-03	Water	8270D	3510C		
D2950-04	Water	8270D	3510C		
D2950-05	Water	8270D	3510C		
D2950-06	Water	8270D	3510C		
D2950-08	Water	8270D	3510C		
D2950-09	Water	8270D	3510C		
D2950-10	Water	8270D	3510C		
D2950-11	Water	8270D	3510C		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
D2950-07	SOIL	Metals ICP-TAL	06/02/12	06/06/12	06/07/12
D2950-12	SOIL	Metals ICP-TAL	06/05/12	06/06/12	06/07/12

* Details For Test :Metals ICP-TAL

CHEMTECH

CASE NARRATIVE

Arcadis Inc.
Project Name: 02-66-384 Former Majestic cleaners
Project # N/A
Chemtech Project # D2950
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 06/02/2012.
1 Solid sample was received on 06/05/2012.
10 Water samples were received on 06/02/2012.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, SVOC-TCL BNA -20, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_R were done using GC column RXI-624SIL MS 30m 0.25mm 1.4um 872456The analysis performed on instrument MSVOA_F were done using GC column RTX-VMS, which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator.The analysis performed on instrument MSVOA_G were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.The analysis performed on instrument MSVOA_H were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.The analysis of VOC-TCLVOA-10 was based on method 8260-Low.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD for {BSF0606S2} with File ID: VF033797.D recoveries met criteria except for Bromomethane[23%] .
The Blank Spike for {BSF0606S1} with File ID: VF033796.D met requirements for all samples except for Chloromethane[145%], Dichlorodifluoromethane[145%], Methylcyclohexane[125%] and Vinyl chloride[145%] .

The Blank Spike Duplicate for {BSF0606S2} with File ID: VF033797.D met requirements for all samples except for Bromochloromethane[65%], Vinyl chloride[135%] .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .The %RSD is greater than 15% in the Initial Calibration (Method 82F060112W.M) for Chloromethane, Bromomethane, Chloroethane and Carbon Disulfide these compounds are passing on Quadratic regression. Dichlorodifluoromethane is passing on linear regression.
The %RSD is greater than 15% in the Initial Calibration (Method 82G053112W.M) for Chloroethane, Methyl Acetate, 1,2-Dibromo-3-Chloropropane, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene, and 4-Bromofluorobenzene these compounds are passing on linear regression and Ethyl Benzene,4-Methyl-2-Pentanone, 2-Hexanone, Isopropylbenzene, Carbon Disulfide and Toluene-d8, these compounds are passing on Quadratic regression.
The %RSD is greater than 15% in the Initial Calibration (Method 82R053012W.M) for Acetone, Methyl Acetate, Cyclohexane, Bromochloromethane, t-1,3-Dichloropropene, 1,2-Dibromo-3-Chloropropane, and 1,2,3-Trichlorobenzene these compounds are passing on linear regression andBromomethane, this compound is passing on Quadratic regression.
The %RSD is greater than 15% in the Initial Calibration (Method 82H060512W.M) for Bromoform this compound is passing on linear regression
The Continuous Calibration File ID VF033794.D met the requirements except for Chloromethane,Dichlorodifluoromethane and Vinyl Chloride .TThe Continuous Calibration File ID VG042935.D met the requirements except for Acetone,Carbon Disulfide,1,2,3-Trichlorobenzene and 4-Bromofluorobenzene .The Continuous Calibration File ID VR005751.D met the requirements except for 4-Methyl-2-Pentanone and 2-Hexanone .
The Tuning criteria met requirements.

E. Additional Comments:

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.
Due to bad matrix soil sample IDW-060412 run directly as a Meoh dilution.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed

above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

CHEMTECH

CASE NARRATIVE

Arcadis Inc.
Project Name: 02-66-384 Former Majestic cleaners
Project # N/A
Chemtech Project # D2950
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 06/02/2012.
1 Solid sample was received on 06/05/2012.
10 Water samples were received on 06/02/2012.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, SVOC-TCL BNA -20, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_E using GC Column RXI-5 SILMS which is 30 meters, 0.25 mm ID, 0.50 um df, Catalog # 13638-124.The analysis of SVOC-TCL BNA -20 was based on method 8270D and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS {D2950-05MS} with File ID: BE077732.D recoveries met the requirements for all compounds except for 1,2,4,5-Tetrachlorobenzene[74%] and 2,3,4,6-Tetrachlorophenol[68%] .
The MSD {D2950-06MSD} with File ID: BE077733.D recoveries met the acceptable requirements except for 1,2,4,5-Tetrachlorobenzene[78%], 2,3,4,6-Tetrachlorophenol[74%] and Caprolactam[9%] .
The RPD recoveries met criteria .
The Blank Spike for {PB63588BS} with File ID: BE077726.D met requirements for all samples except for Dimethylphthalate[66%] .
The %RSD is greater than 15% in the Initial Calibration (Method 8270-BE0060412.M) for 2,4-Dinitrophenol, 4-Nitrophenol,4,6-Dinitro-2-methylphenol, Pentachlorophenol, Butylbenzylphthalate, Bis(2-ethylhexyl)phthalate, Di-n-octyl phthalate compounds are passing on linear regression and Atrazine this compound is passing on Quadratic regression.
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

E. Additional Comments:
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

CASE NARRATIVE

Arcadis Inc.
Project Name: 02-66-384 Former Majestic cleaners
Project # N/A
Chemtech Project # D2950
Test Name: Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 06/02/2012.
1 Solid sample was received on 06/05/2012.
10 Water samples were received on 06/02/2012.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, SVOC-TCL BNA -20, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for Mercury,Metals ICP-TAL.

C. Analytical Techniques:
The analysis of Metals ICP-TAL was based on method 6010B, digestion based on method 3050 (soils). The analysis of Mercury was based on method 7471A and digestion was based on method 7471B (soils).

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples except for Barium, Calcium, Copper, Lead, Magnesium, Manganese, Mercury, Nickel, Vanadium and Zinc.
The Matrix Spike analysis met criteria for all samples except for Antimony, Barium and Copper.
The Matrix Spike Duplicate analysis met criteria for all samples except for Antimony, Barium, Copper and Lead.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met criteria for all samples except for Calcium, Chromium, Copper, Iron, Magnesium, Manganese and Zinc.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

CHEMTECH
CHAIN OF CUSTODY RECORD

B1205080

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. D2950
QUOTE NO.
COC Number 026760

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Arcadis
ADDRESS: 855 Route 146, Suite 210
CITY: Clifton Park STATE: NY ZIP: 12065
ATTENTION: Stefan Bagneto
PHONE: 518-250-7300 FAX: 518-250-7301

CLIENT PROJECT INFORMATION

PROJECT NAME: Majestic Cleaners
PROJECT NO.: 00266381.0000 LOCATION: Brooklyn, NY
PROJECT MANAGER: Stefan Bagneto
e-mail: stefan.bagneto@arcadis-us.com
PHONE: 518-250-7300 FAX: 518-250-7301

CLIENT BILLING INFORMATION

BILL TO: SAME PO#:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: Standard DAYS *
HARD COPY: Standard DAYS *
EDD: Standard DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ LEVEL 1: Results only ☐ Others
☐ LEVEL 2: Results + QC
☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☐ EDD Format:

ANALYSIS

1 VOC+10 TCL
2 TCL SVOC, BNA-20
3 Metal, Mercury
4 TCL VOC-10
5
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A	E	E	E						← Specify Preservatives A–HCl B–HNO_3 C–H_2SO_4 D–NaOH E–ICE F–Other
1.	Trip Blank	W		/	5/31/12	–	2	X									
2.	P2-11	GW		X	5/31/12	1255	3	X	X								
3.	Dup-053112	GW		X	5/31/12	0700	3	X	X								
4.	P2-13	GW		X	5/31/12	1415	3	X	X								
5.	P2-13-MS	GW		X	5/31/12	1415	3	X	X								
6.	P2-13-MSD	GW		X	5/31/12	1415	3	X	X								
7.	IDW-053112	S	X		5/31/12	1430	2			X	X						
8.	P2-14	GW		X	5/31/12	1630	3	X	X								
9.	P2-12	GW		X	5/31/12	1730	3	X	X								
10.	P2-15	GW		X	6/1/12	0825	3	X	X								

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Chris DeSmith	6/1/12	1.
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME: 1025	RECEIVED FOR LAB BY:
3. FedEx	6/2/12	3. PS

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
Cooler Temp. 4°C
MeOH extraction requires an additional 4 oz jar for percent solid.
Ice in Cooler?: Y
Comments:
Air Bill # 8996 7844 2866

Page 1 of 2

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. D2950
QUOTE NO.
COC Number 026761

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Accadis
ADDRESS: 855 Route 146, Suite 210
CITY: Clifton Park STATE: NY ZIP: 12065
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Majestic Cleaners
PROJECT NO.: 06266384.0000 LOCATION: Brooklyn, NY
PROJECT MANAGER: Stefan Bagneto
e-mail: Stefan.Bagneto@accadis-us.com
PHONE: 518-250-7300 FAX: 518-250-7301

CLIENT BILLING INFORMATION

BILL TO: SAME PO#:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: Standard DAYS *
HARD COPY: Standard DAYS *
EDD: Standard DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ LEVEL 1: Results only ☐ Others
☐ LEVEL 2: Results + QC
☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☐ EDD Format:

ANALYSIS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
11.	P2-16	GW		X	6/1/12	1035	3	X	X								
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.		1.
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME: 1025	RECEIVED FOR LAB BY:
3. Fedex	6/2/12	3. PS

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 4°C
Ice in Cooler?: Y

Page 2 of 2

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

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CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. D2950
QUOTE NO.
COC Number 026762

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: ARCADIS-US
ADDRESS: 855 Route 146 Suite 210
CITY: Clifton Park STATE: NY ZIP: 12065
ATTENTION: STEFAN BAGNATO
PHONE: 518-250-7360 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: MAJESTIC GARMENT CLEANERS
PROJECT NO.: 00266384 LOCATION: Brooklyn
PROJECT MANAGER: STEFAN BAGNATO
e-mail: STEFAN.BAGNATO@ARCADIS-US.COM
PHONE: 518-250-7300 FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: _____ DAYS *
HARD COPY: _____ DAYS *
EDD: _____ DAYS *
PREAPPROVED TAT: ❑ YES ❑ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

❑ LEVEL 1: Results only ❑ Others _____
❑ LEVEL 2: Results + QC
❑ LEVEL 3: Results (plus results raw data) + QC
❑ LEVEL 4: Results + QC (all raw data)
❑ EDD Format: _____

ANALYSIS

1	2	3	4	5	6	7	8	9
TCL VOC	MERCURY	TCL METALS						

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	IDW 060412	SO	X		6/4/12	1300	2	X	X	X							
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

E E E

COMMENTS: ← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME	RECEIVED BY
1. RELINQUISHED BY SAMPLER:	6/5/12 0800	1. 1340
2. RELINQUISHED BY:	DATE/TIME:	2. RECEIVED BY:
3. RELINQUISHED BY:	DATE/TIME: 1440 6.5.12	3. RECEIVED FOR LAB BY:

Conditions of bottles or coolers at receipt: ☑ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 5°
Ice in Cooler?: yes

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☑ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☐ YES ☐ NO

Revision 8/2007

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	TRIPBLANK	SDG No.:	D2950
Lab Sample ID:	D2950-01	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG042940.D	1		06/05/12	VG060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	TRIPBLANK	SDG No.:	D2950
Lab Sample ID:	D2950-01	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG042940.D	1		06/05/12	VG060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
123-91-1	1,4-Dioxane	20	U	10	10	20	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.4		61 - 141		101%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		69 - 133		104%	SPK: 50
2037-26-5	Toluene-d8	50.7		65 - 126		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	61.3		58 - 135		123%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1622690	3.8				
540-36-3	1,4-Difluorobenzene	2508060	4.58				
3114-55-4	Chlorobenzene-d5	2499040	9.57				
3855-82-1	1,4-Dichlorobenzene-d4	1163430	13.29				

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	TRIPBLANK	SDG No.:	D2950
Lab Sample ID:	D2950-01	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG042940.D	1		06/05/12	VG060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-11	SDG No.:	D2950
Lab Sample ID:	D2950-02	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG042950.D	1		06/06/12	VG060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	2.6		0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1.1		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.78	J	0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-11	SDG No.:	D2950
Lab Sample ID:	D2950-02	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG042950.D	1		06/06/12	VG060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	1.5		0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
123-91-1	1,4-Dioxane	20	U	10	10	20	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.2		61 - 141		104%	SPK: 50
1868-53-7	Dibromofluoromethane	48		69 - 133		96%	SPK: 50
2037-26-5	Toluene-d8	50.9		65 - 126		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		58 - 135		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1538750	3.8				
540-36-3	1,4-Difluorobenzene	2518620	4.58				
3114-55-4	Chlorobenzene-d5	2305980	9.57				
3855-82-1	1,4-Dichlorobenzene-d4	1055280	13.28				

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-11	SDG No.:	D2950
Lab Sample ID:	D2950-02	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG042950.D	1		06/06/12	VG060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	DUP-053112	SDG No.:	D2950
Lab Sample ID:	D2950-03	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG042951.D	1		06/06/12	VG060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	2.6		0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1.2		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.9	J	0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	DUP-053112	SDG No.:	D2950
Lab Sample ID:	D2950-03	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG042951.D	1		06/06/12	VG060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	1.4		0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
123-91-1	1,4-Dioxane	20	U	10	10	20	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53		61 - 141		106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		69 - 133		102%	SPK: 50
2037-26-5	Toluene-d8	52.7		65 - 126		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.1		58 - 135		118%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1443420	3.81				
540-36-3	1,4-Difluorobenzene	2314220	4.58				
3114-55-4	Chlorobenzene-d5	2190800	9.55				
3855-82-1	1,4-Dichlorobenzene-d4	1050470	13.26				

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	DUP-053112	SDG No.:	D2950
Lab Sample ID:	D2950-03	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG042951.D	1		06/06/12	VG060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-13	SDG No.:	D2950
Lab Sample ID:	D2950-04	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR005763.D	1		06/06/12	VR060612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	0.51	J	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	50		0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1.5		0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	7.1		0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	0.83	J	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-13	SDG No.:	D2950
Lab Sample ID:	D2950-04	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR005763.D	1		06/06/12	VR060612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	79		0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
123-91-1	1,4-Dioxane	20	U	10	10	20	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55		61 - 141		110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		69 - 133		105%	SPK: 50
2037-26-5	Toluene-d8	54.9		65 - 126		110%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.4		58 - 135		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	814236	7.57				
540-36-3	1,4-Difluorobenzene	1566010	8.49				
3114-55-4	Chlorobenzene-d5	1445490	11.3				
3855-82-1	1,4-Dichlorobenzene-d4	696335	13.24				

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-13	SDG No.:	D2950
Lab Sample ID:	D2950-04	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR005763.D	1		06/06/12	VR060612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	IDW-053112	SDG No.:	D2950
Lab Sample ID:	D2950-07	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	21
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033804.D	1		06/06/12	VF060612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	6.3	UQ	0.82	3.15	6.3	ug/Kg
74-87-3	Chloromethane	6.3	UQ	1.1	3.15	6.3	ug/Kg
75-01-4	Vinyl Chloride	6.3	UQ	1.5	3.15	6.3	ug/Kg
74-83-9	Bromomethane	6.3	U	3.1	3.15	6.3	ug/Kg
75-00-3	Chloroethane	6.3	U	1.8	3.15	6.3	ug/Kg
75-69-4	Trichlorofluoromethane	6.3	U	1.7	3.15	6.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.3	U	1.7	3.15	6.3	ug/Kg
75-35-4	1,1-Dichloroethene	6.3	U	1.8	3.15	6.3	ug/Kg
67-64-1	Acetone	21	J	3.8	15.5	31	ug/Kg
75-15-0	Carbon Disulfide	6.3	U	1.3	3.15	6.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.3	U	1.2	3.15	6.3	ug/Kg
79-20-9	Methyl Acetate	6.3	U	1.9	3.15	6.3	ug/Kg
75-09-2	Methylene Chloride	6.3	U	1.8	3.15	6.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.3	U	0.87	3.15	6.3	ug/Kg
75-34-3	1,1-Dichloroethane	6.3	U	1.2	3.15	6.3	ug/Kg
110-82-7	Cyclohexane	6.3	U	1.3	3.15	6.3	ug/Kg
78-93-3	2-Butanone	31	U	3.9	15.5	31	ug/Kg
56-23-5	Carbon Tetrachloride	6.3	U	1.2	3.15	6.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6.3	U	1.1	3.15	6.3	ug/Kg
74-97-5	Bromochloromethane	6.3	U	0.99	3.15	6.3	ug/Kg
67-66-3	Chloroform	6.3	U	0.93	3.15	6.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	6.3	U	1.1	3.15	6.3	ug/Kg
108-87-2	Methylcyclohexane	6.3	UQ	1.3	3.15	6.3	ug/Kg
71-43-2	Benzene	6.3	U	0.48	3.15	6.3	ug/Kg
107-06-2	1,2-Dichloroethane	6.3	U	0.8	3.15	6.3	ug/Kg
79-01-6	Trichloroethene	6.3	U	1.1	3.15	6.3	ug/Kg
78-87-5	1,2-Dichloropropane	6.3	U	0.33	3.15	6.3	ug/Kg
75-27-4	Bromodichloromethane	6.3	U	0.78	3.15	6.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	31	U	3.7	15.5	31	ug/Kg
108-88-3	Toluene	6.3	U	0.8	3.15	6.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.3	U	0.99	3.15	6.3	ug/Kg

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	IDW-053112	SDG No.:	D2950
Lab Sample ID:	D2950-07	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	21
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033804.D	1		06/06/12	VF060612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	6.3	U	0.9	3.15	6.3	ug/Kg
79-00-5	1,1,2-Trichloroethane	6.3	U	1.1	3.15	6.3	ug/Kg
591-78-6	2-Hexanone	31	U	4.9	15.5	31	ug/Kg
124-48-1	Dibromochloromethane	6.3	U	0.68	3.15	6.3	ug/Kg
106-93-4	1,2-Dibromoethane	6.3	U	0.8	3.15	6.3	ug/Kg
127-18-4	Tetrachloroethene	11		1.3	3.15	6.3	ug/Kg
108-90-7	Chlorobenzene	6.3	U	0.63	3.15	6.3	ug/Kg
100-41-4	Ethyl Benzene	6.3	U	0.78	3.15	6.3	ug/Kg
179601-23-1	m/p-Xylenes	13	U	0.9	6.5	13	ug/Kg
95-47-6	o-Xylene	6.3	U	0.85	3.15	6.3	ug/Kg
100-42-5	Styrene	6.3	U	0.57	3.15	6.3	ug/Kg
75-25-2	Bromoform	6.3	U	0.93	3.15	6.3	ug/Kg
98-82-8	Isopropylbenzene	6.3	U	0.6	3.15	6.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.3	U	0.58	3.15	6.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.3	U	0.46	3.15	6.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.3	U	0.51	3.15	6.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.3	U	0.78	3.15	6.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.3	U	1.1	3.15	6.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.3	U	0.88	3.15	6.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	6.3	U	0.63	3.15	6.3	ug/Kg
123-91-1	1,4-Dioxane	130	U	63	65	130	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.5		56 - 120		103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		57 - 135		101%	SPK: 50
2037-26-5	Toluene-d8	49.8		67 - 123		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		33 - 141		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	216408	4.36				
540-36-3	1,4-Difluorobenzene	321324	5.11				
3114-55-4	Chlorobenzene-d5	309818	9.3				
3855-82-1	1,4-Dichlorobenzene-d4	161482	12.23				

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	IDW-053112	SDG No.:	D2950
Lab Sample ID:	D2950-07	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	21
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033804.D	1		06/06/12	VF060612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-14	SDG No.:	D2950
Lab Sample ID:	D2950-08	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG042952.D	1		06/06/12	VG060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.83	J	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-14	SDG No.:	D2950
Lab Sample ID:	D2950-08	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG042952.D	1		06/06/12	VG060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	3.6		0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
123-91-1	1,4-Dioxane	20	U	10	10	20	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.6		61 - 141		109%	SPK: 50
1868-53-7	Dibromofluoromethane	54.8		69 - 133		110%	SPK: 50
2037-26-5	Toluene-d8	52.3		65 - 126		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	66.9		58 - 135		134%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1403200	3.8				
540-36-3	1,4-Difluorobenzene	2091240	4.58				
3114-55-4	Chlorobenzene-d5	2239250	9.55				
3855-82-1	1,4-Dichlorobenzene-d4	1021740	13.25				

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-14	SDG No.:	D2950
Lab Sample ID:	D2950-08	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG042952.D	1		06/06/12	VG060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-12	SDG No.:	D2950
Lab Sample ID:	D2950-09	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG042953.D	1		06/06/12	VG060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-12	SDG No.:	D2950
Lab Sample ID:	D2950-09	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG042953.D	1		06/06/12	VG060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	1.8		0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
123-91-1	1,4-Dioxane	20	U	10	10	20	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.3		61 - 141		109%	SPK: 50
1868-53-7	Dibromofluoromethane	53.9		69 - 133		108%	SPK: 50
2037-26-5	Toluene-d8	52.2		65 - 126		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	62.8		58 - 135		126%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1386990	3.8				
540-36-3	1,4-Difluorobenzene	2108590	4.58				
3114-55-4	Chlorobenzene-d5	2147250	9.55				
3855-82-1	1,4-Dichlorobenzene-d4	1011350	13.25				

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-12	SDG No.:	D2950
Lab Sample ID:	D2950-09	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG042953.D	1		06/06/12	VG060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	06/01/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-15	SDG No.:	D2950
Lab Sample ID:	D2950-10	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG042954.D	1		06/06/12	VG060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1.7		0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	12		0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1.6		0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	3.5		0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	0.85	J	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	06/01/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-15	SDG No.:	D2950
Lab Sample ID:	D2950-10	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG042954.D	1		06/06/12	VG060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	98		0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
123-91-1	1,4-Dioxane	20	U	10	10	20	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.9		61 - 141		108%	SPK: 50
1868-53-7	Dibromofluoromethane	47.5		69 - 133		95%	SPK: 50
2037-26-5	Toluene-d8	50.6		65 - 126		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.4		58 - 135		117%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1438090	3.81				
540-36-3	1,4-Difluorobenzene	2352180	4.58				
3114-55-4	Chlorobenzene-d5	2216000	9.55				
3855-82-1	1,4-Dichlorobenzene-d4	1057070	13.25				

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	06/01/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-15	SDG No.:	D2950
Lab Sample ID:	D2950-10	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG042954.D	1		06/06/12	VG060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	06/01/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-16	SDG No.:	D2950
Lab Sample ID:	D2950-11	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG042955.D	1		06/06/12	VG060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	8		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	06/01/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-16	SDG No.:	D2950
Lab Sample ID:	D2950-11	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG042955.D	1		06/06/12	VG060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	0.91	J	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
123-91-1	1,4-Dioxane	20	U	10	10	20	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.6		61 - 141		109%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		69 - 133		102%	SPK: 50
2037-26-5	Toluene-d8	52.5		65 - 126		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	62.2		58 - 135		124%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1369710	3.8				
540-36-3	1,4-Difluorobenzene	2239490	4.59				
3114-55-4	Chlorobenzene-d5	2212860	9.55				
3855-82-1	1,4-Dichlorobenzene-d4	997537	13.25				

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	06/01/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-16	SDG No.:	D2950
Lab Sample ID:	D2950-11	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG042955.D	1		06/06/12	VG060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	06/04/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/05/12
Client Sample ID:	IDW-060412	SDG No.:	D2950
Lab Sample ID:	D2950-12	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH047966.D	1		06/06/12	VH060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	500	U	55	250	500	ug/Kg
74-87-3	Chloromethane	500	U	54	250	500	ug/Kg
75-01-4	Vinyl Chloride	500	U	34	250	500	ug/Kg
74-83-9	Bromomethane	500	U	62	250	500	ug/Kg
75-00-3	Chloroethane	500	U	66	250	500	ug/Kg
75-69-4	Trichlorofluoromethane	500	U	35	250	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	500	U	45	250	500	ug/Kg
75-35-4	1,1-Dichloroethene	500	U	47	250	500	ug/Kg
67-64-1	Acetone	2500	U	300	1250	2500	ug/Kg
75-15-0	Carbon Disulfide	500	U	54	250	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	500	U	35	250	500	ug/Kg
79-20-9	Methyl Acetate	500	U	83	250	500	ug/Kg
75-09-2	Methylene Chloride	500	U	41	250	500	ug/Kg
156-60-5	trans-1,2-Dichloroethene	500	U	41	250	500	ug/Kg
75-34-3	1,1-Dichloroethane	500	U	36	250	500	ug/Kg
110-82-7	Cyclohexane	500	U	55	250	500	ug/Kg
78-93-3	2-Butanone	2500	U	130	1250	2500	ug/Kg
56-23-5	Carbon Tetrachloride	500	U	62	250	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	430	J	35	250	500	ug/Kg
74-97-5	Bromochloromethane	500	U	220	250	500	ug/Kg
67-66-3	Chloroform	500	U	34	250	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	500	U	40	250	500	ug/Kg
108-87-2	Methylcyclohexane	880		68	250	500	ug/Kg
71-43-2	Benzene	500	U	32	250	500	ug/Kg
107-06-2	1,2-Dichloroethane	500	U	48	250	500	ug/Kg
79-01-6	Trichloroethene	150	J	28	250	500	ug/Kg
78-87-5	1,2-Dichloropropane	500	U	46	250	500	ug/Kg
75-27-4	Bromodichloromethane	500	U	36	250	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2500	U	210	1250	2500	ug/Kg
108-88-3	Toluene	500	U	37	250	500	ug/Kg
10061-02-6	t-1,3-Dichloropropene	500	U	29	250	500	ug/Kg

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	06/04/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/05/12
Client Sample ID:	IDW-060412	SDG No.:	D2950
Lab Sample ID:	D2950-12	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH047966.D	1		06/06/12	VH060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	500	U	31	250	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	500	U	38	250	500	ug/Kg
591-78-6	2-Hexanone	2500	U	190	1250	2500	ug/Kg
124-48-1	Dibromochloromethane	500	U	52	250	500	ug/Kg
106-93-4	1,2-Dibromoethane	500	U	41	250	500	ug/Kg
127-18-4	Tetrachloroethene	7700		27	250	500	ug/Kg
108-90-7	Chlorobenzene	500	U	49	250	500	ug/Kg
100-41-4	Ethyl Benzene	320	J	53	250	500	ug/Kg
179601-23-1	m/p-Xylenes	1000	U	95	500	1000	ug/Kg
95-47-6	o-Xylene	500	U	43	250	500	ug/Kg
100-42-5	Styrene	500	U	36	250	500	ug/Kg
75-25-2	Bromoform	500	U	47	250	500	ug/Kg
98-82-8	Isopropylbenzene	2100		45	250	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	500	U	31	250	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	500	U	43	250	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	500	U	32	250	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	500	U	45	250	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	500	U	46	250	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	500	U	62	250	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	500	U	65	250	500	ug/Kg
123-91-1	1,4-Dioxane	10000	U	5000	5000	10000	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	36.1		56 - 120		72%	SPK: 50
1868-53-7	Dibromofluoromethane	38.9		57 - 135		78%	SPK: 50
2037-26-5	Toluene-d8	49.5		67 - 123		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	66.5		33 - 141		133%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	362706	4.95				
540-36-3	1,4-Difluorobenzene	664807	5.68				
3114-55-4	Chlorobenzene-d5	645433	9.79				
3855-82-1	1,4-Dichlorobenzene-d4	409941	12.52				
TENTATIVE IDENTIFIED COMPOUNDS							

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	06/04/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/05/12
Client Sample ID:	IDW-060412	SDG No.:	D2950
Lab Sample ID:	D2950-12	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH047966.D	1		06/06/12	VH060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000592-27-8	Heptane, 2-methyl-	1300	J			6.66	ug/Kg
000589-81-1	Heptane, 3-methyl-	1600	J			6.88	ug/Kg
002207-04-7	Cyclohexane, 1,4-dimethyl-, trans-	3300	J			7.08	ug/Kg
001678-91-7	Cyclohexane, ethyl-	1400	J			8.5	ug/Kg
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	1900	J			8.66	ug/Kg
002234-75-5	Cyclohexane, 1,2,4-trimethyl-	2100	J			9.01	ug/Kg
002216-34-4	Octane, 4-methyl-	1300	J			9.14	ug/Kg
002216-33-3	Octane, 3-methyl-	2000	J			9.33	ug/Kg
	unknown 9.72	1600	J			9.72	ug/Kg
019489-10-2	cis-1-Ethyl-3-methyl-cyclohexane	2000	J			9.85	ug/Kg
103-65-1	n-propylbenzene	4400	J			11.59	ug/Kg
98-06-6	tert-Butylbenzene	620	J			12.12	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	3400	J			12.2	ug/Kg
135-98-8	sec-Butylbenzene	7100	J			12.3	ug/Kg
104-51-8	n-Butylbenzene	8000	J			12.82	ug/Kg
99-87-6	p-Isopropyltoluene	7600	J			13.84	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: D2950

Client: Arcadis Inc.

Sample ID	Client ID		Parameter		Concentration	C	MDL	LOD	RDL	Units
Client ID:	**DUP-053112**									
D2950-03	DUP-053112	WATER	Vinyl Chloride		2.60		0.34	0.5	1.0	ug/L
D2950-03	DUP-053112	WATER	Methyl tert-butyl Ether		1.20		0.35	0.5	1.0	ug/L
D2950-03	DUP-053112	WATER	cis-1,2-Dichloroethene		0.90	J	0.35	0.5	1.0	ug/L
D2950-03	DUP-053112	WATER	Tetrachloroethene		1.40		0.27	0.5	1.0	ug/L
			Total Voc :				**6.10**			
			Total Concentration:				**6.10**			
Client ID:	**IDW-053112**									
D2950-07	IDW-053112	SOIL	Acetone		21.00	J	3.8	15.5	31	ug/Kg
D2950-07	IDW-053112	SOIL	Tetrachloroethene		11.00		1.3	3.15	6.3	ug/Kg
			Total Voc :				**32.00**			
			Total Concentration:				**32.00**			
Client ID:	**IDW-060412**									
D2950-12	IDW-060412	SOIL	cis-1,2-Dichloroethene		430.00	J	35	250	500	ug/Kg
D2950-12	IDW-060412	SOIL	Methylcyclohexane		880.00		68	250	500	ug/Kg
D2950-12	IDW-060412	SOIL	Trichloroethene		150.00	J	28	250	500	ug/Kg
D2950-12	IDW-060412	SOIL	Tetrachloroethene		7,700.00		27	250	500	ug/Kg
D2950-12	IDW-060412	SOIL	Ethyl Benzene		320.00	J	53	250	500	ug/Kg
D2950-12	IDW-060412	SOIL	Isopropylbenzene		2,100.00		45	250	500	ug/Kg
			Total Voc :				**11,580.00**			
D2950-12	IDW-060412	SOIL	n-propylbenzene	*	4,400.00	J	45		500	ug/Kg
D2950-12	IDW-060412	SOIL	tert-Butylbenzene	*	620.00	J	44		500	ug/Kg
D2950-12	IDW-060412	SOIL	1,2,4-Trimethylbenzene	*	3,400.00	J	38		500	ug/Kg
D2950-12	IDW-060412	SOIL	sec-Butylbenzene	*	7,100.00	J	46		500	ug/Kg
D2950-12	IDW-060412	SOIL	p-Isopropyltoluene	*	7,600.00	J	43		500	ug/Kg
D2950-12	IDW-060412	SOIL	n-Butylbenzene	*	8,000.00	J	41		500	ug/Kg
D2950-12	IDW-060412	SOIL	unknown 9.72	*	1,600.00	J	0		0	ug/Kg
D2950-12	IDW-060412	SOIL	Heptane, 3-methyl-	*	1,600.00	J	0		0	ug/Kg
D2950-12	IDW-060412	SOIL	Heptane, 2-methyl-	*	1,300.00	J	0		0	ug/Kg
D2950-12	IDW-060412	SOIL	Cyclohexane, ethyl-	*	1,400.00	J	0		0	ug/Kg
D2950-12	IDW-060412	SOIL	Cyclohexane, 1,4-dimethyl-, tran	*	3,300.00	J	0		0	ug/Kg
D2950-12	IDW-060412	SOIL	Octane, 3-methyl-	*	2,000.00	J	0		0	ug/Kg
D2950-12	IDW-060412	SOIL	Octane, 4-methyl-	*	1,300.00	J	0		0	ug/Kg
D2950-12	IDW-060412	SOIL	Cyclohexane, 1,2,4-trimethyl-	*	2,100.00	J	0		0	ug/Kg
D2950-12	IDW-060412	SOIL	Cyclohexane, 1,1,3-trimethyl-	*	1,900.00	J	0		0	ug/Kg
D2950-12	IDW-060412	SOIL	cis-1-Ethyl-3-methyl-cyclohexan	*	2,000.00	J	0		0	ug/Kg
			Total Tics :				**49,620.00**			
			Total Concentration:				**61,200.00**			
Client ID:	**PZ-11**									
D2950-02	PZ-11	WATER	Vinyl Chloride		2.60		0.34	0.5	1.0	ug/L

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: D2950

Client: Arcadis Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
D2950-02	PZ-11	WATER	Methyl tert-butyl Ether	1.10		0.35	0.5	1.0	ug/L
D2950-02	PZ-11	WATER	cis-1,2-Dichloroethene	0.78	J	0.35	0.5	1.0	ug/L
D2950-02	PZ-11	WATER	Tetrachloroethene	1.50		0.27	0.5	1.0	ug/L
			Total Voc :			**5.98**			
			Total Concentration:			**5.98**			
Client ID:	**PZ-12**								
D2950-09	PZ-12	WATER	Tetrachloroethene	1.80		0.27	0.5	1.0	ug/L
			Total Voc :			**1.80**			
			Total Concentration:			**1.80**			
Client ID:	**PZ-13**								
D2950-04	PZ-13	WATER	Vinyl Chloride	0.51	J	0.34	0.5	1.0	ug/L
D2950-04	PZ-13	WATER	cis-1,2-Dichloroethene	50.00		0.35	0.5	1.0	ug/L
D2950-04	PZ-13	WATER	Chloroform	1.50		0.34	0.5	1.0	ug/L
D2950-04	PZ-13	WATER	Trichloroethene	7.10		0.28	0.5	1.0	ug/L
D2950-04	PZ-13	WATER	Bromodichloromethane	0.83	J	0.36	0.5	1.0	ug/L
D2950-04	PZ-13	WATER	Tetrachloroethene	79.00		0.27	0.5	1.0	ug/L
			Total Voc :			**138.94**			
			Total Concentration:			**138.94**			
Client ID:	**PZ-14**								
D2950-08	PZ-14	WATER	Methyl tert-butyl Ether	0.83	J	0.35	0.5	1.0	ug/L
D2950-08	PZ-14	WATER	Tetrachloroethene	3.60		0.27	0.5	1.0	ug/L
			Total Voc :			**4.43**			
			Total Concentration:			**4.43**			
Client ID:	**PZ-15**								
D2950-10	PZ-15	WATER	Vinyl Chloride	1.70		0.34	0.5	1.0	ug/L
D2950-10	PZ-15	WATER	cis-1,2-Dichloroethene	12.00		0.35	0.5	1.0	ug/L
D2950-10	PZ-15	WATER	Chloroform	1.60		0.34	0.5	1.0	ug/L
D2950-10	PZ-15	WATER	Trichloroethene	3.50		0.28	0.5	1.0	ug/L
D2950-10	PZ-15	WATER	Bromodichloromethane	0.85	J	0.36	0.5	1.0	ug/L
D2950-10	PZ-15	WATER	Tetrachloroethene	98.00		0.27	0.5	1.0	ug/L
			Total Voc :			**117.65**			
			Total Concentration:			**117.65**			
Client ID:	**PZ-16**								
D2950-11	PZ-16	WATER	Methyl tert-butyl Ether	8.00		0.35	0.5	1.0	ug/L
D2950-11	PZ-16	WATER	Tetrachloroethene	0.91	J	0.27	0.5	1.0	ug/L
			Total Voc :			**8.91**			
			Total Concentration:			**8.91**			

CHEMTECH

Surrogate Summary

SDG No.: D2950

Client: Arcadis Inc.

Analytical Method: EPA SW846 8260

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
BSF0606S1	BSF0606S1	1,2-Dichloroethane-d4	50	47.7	95		55	158
		Dibromofluoromethane	50	51.33	103		53	156
		Toluene-d8	50	50.55	101		85	115
		4-Bromofluorobenzene	50	52.89	106		85	120
BSF0606S2	BSF0606S2	1,2-Dichloroethane-d4	50	47.53	95		55	158
		Dibromofluoromethane	50	48.95	98		53	156
		Toluene-d8	50	48.08	96		85	115
		4-Bromofluorobenzene	50	48.93	98		85	120
BSG0605W1	BSG0605W1	1,2-Dichloroethane-d4	50	49.07	98		70	120
		Dibromofluoromethane	50	49.46	99		85	115
		Toluene-d8	50	50.17	100		85	120
		4-Bromofluorobenzene	50	60.09	120		75	120
BSR0606W1	BSR0606W1	1,2-Dichloroethane-d4	50	50.72	101		70	120
		Dibromofluoromethane	50	51.46	103		85	115
		Toluene-d8	50	51.13	102		85	120
		4-Bromofluorobenzene	50	52.07	104		75	120
D2950-01	TRIPBLANK	1,2-Dichloroethane-d4	50	50.35	101		61	141
		Dibromofluoromethane	50	52.13	104		69	133
		Toluene-d8	50	50.71	101		65	126
		4-Bromofluorobenzene	50	61.3	123		58	135
D2950-02	PZ-11	1,2-Dichloroethane-d4	50	52.18	104		61	141
		Dibromofluoromethane	50	48.01	96		69	133
		Toluene-d8	50	50.91	102		65	126
		4-Bromofluorobenzene	50	54.25	109		58	135
D2950-03	DUP-053112	1,2-Dichloroethane-d4	50	53.03	106		61	141
		Dibromofluoromethane	50	51.14	102		69	133
		Toluene-d8	50	52.69	105		65	126
		4-Bromofluorobenzene	50	59.1	118		58	135
D2950-04	PZ-13	1,2-Dichloroethane-d4	50	55.02	110		61	141
		Dibromofluoromethane	50	52.46	105		69	133
		Toluene-d8	50	54.94	110		65	126
		4-Bromofluorobenzene	50	54.37	109		58	135
D2950-05MS	PZ-13MS	1,2-Dichloroethane-d4	50	52.63	105		61	141
		Dibromofluoromethane	50	51.51	103		69	133
		Toluene-d8	50	51.81	104		65	126
		4-Bromofluorobenzene	50	54.42	109		58	135
D2950-06MSD	PZ-13MSD	1,2-Dichloroethane-d4	50	51.56	103		61	141
		Dibromofluoromethane	50	50.34	101		69	133
		Toluene-d8	50	49.84	100		65	126
		4-Bromofluorobenzene	50	52.21	104		58	135
D2950-07	IDW-053112	1,2-Dichloroethane-d4	50	51.54	103		56	120
		Dibromofluoromethane	50	50.36	101		57	135
		Toluene-d8	50	49.83	100		67	123
		4-Bromofluorobenzene	50	52.89	106		33	141
D2950-08	PZ-14	1,2-Dichloroethane-d4	50	54.62	109		61	141
		Dibromofluoromethane	50	54.78	110		69	133
		Toluene-d8	50	52.34	105		65	126
		4-Bromofluorobenzene	50	66.91	134		58	135
D2950-09	PZ-12	1,2-Dichloroethane-d4	50	54.29	109		61	141
		Dibromofluoromethane	50	53.87	108		69	133
		Toluene-d8	50	52.2	104		65	126
		4-Bromofluorobenzene	50	62.75	126		58	135

CHEMTECH

Surrogate Summary

SDG No.: D2950

Client: Arcadis Inc.

Analytical Method: EPA SW846 8260

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
D2950-10	PZ-15	1,2-Dichloroethane-d4	50	53.93	108		61	141
		Dibromofluoromethane	50	47.51	95		69	133
		Toluene-d8	50	50.62	101		65	126
		4-Bromofluorobenzene	50	58.36	117		58	135
D2950-11	PZ-16	1,2-Dichloroethane-d4	50	54.6	109		61	141
		Dibromofluoromethane	50	51.12	102		69	133
		Toluene-d8	50	52.46	105		65	126
		4-Bromofluorobenzene	50	62.2	124		58	135
VBF0606S1	VBF0606S1	1,2-Dichloroethane-d4	50	53.97	108		55	158
		Dibromofluoromethane	50	55.9	112		53	156
		Toluene-d8	50	52.67	105		85	115
		4-Bromofluorobenzene	50	54.99	110		85	120
VBG0605W1	VBG0605W1	1,2-Dichloroethane-d4	50	48.1	96		70	120
		Dibromofluoromethane	50	49.08	98		85	115
		Toluene-d8	50	49.17	98		85	120
		4-Bromofluorobenzene	50	58.07	116		75	120
VBR0606W1	VBR0606W1	1,2-Dichloroethane-d4	50	53.96	108		70	120
		Dibromofluoromethane	50	52.25	105		85	115
		Toluene-d8	50	54.7	109		85	120
		4-Bromofluorobenzene	50	55.06	110		75	120

CHEMTECH

Surrogate Summary

SDG No.: D2950

Client: Arcadis Inc.

Analytical Method: EPA SW846 8260 - MED

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
BSH0605M1	BSH0605M1	1,2-Dichloroethane-d4	50	48.65	97		56	120
		Dibromofluoromethane	50	45.91	92		57	135
		Toluene-d8	50	48.45	97		67	123
		4-Bromofluorobenzene	50	47.54	95		33	141
D2950-12	IDW-060412	1,2-Dichloroethane-d4	50	36.07	72		56	120
		Dibromofluoromethane	50	38.88	78		57	135
		Toluene-d8	50	49.48	99		67	123
		4-Bromofluorobenzene	50	66.53	133		33	141
VBH0605M1	VBH0605M1	1,2-Dichloroethane-d4	50	45.62	91		56	120
		Dibromofluoromethane	50	42.79	86		57	135
		Toluene-d8	50	49.84	100		67	123
		4-Bromofluorobenzene	50	42.97	86		33	141

CHEMTECH

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Arcadis Inc.

Lab Code: CHEM **Cas No:** D2950 **SAS No :** D2950 **SDG No:** D2950

Client SampleID : PZ-13MS **Analytical Method:** EPA SW846 8260 **Datafile :** VR005773.D

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMITS REC
Dichlorodifluoromethane	50	0	48	96	(47-161)
Chloromethane	50	0	58	116	(53-157)
Vinyl Chloride	50	0.51	52	103	(57-149)
Bromomethane	50	0	36	72	(45-165)
Chloroethane	50	0	52	104	(47-166)
Trichlorofluoromethane	50	0	50	100	(51-165)
1,1,2-Trichlorotrifluoroethane	50	0	49	98	(61-145)
1,1-Dichloroethene	50	0	48	96	(55-148)
Acetone	250	0	230	92	(11-159)
Carbon Disulfide	50	0	52	104	(13-149)
Methyl tert-butyl Ether	50	0	53	106	(60-145)
Methyl Acetate	50	0	54	108	(27-167)
Methylene Chloride	50	0	51	102	(56-146)
trans-1,2-Dichloroethene	50	0	51	102	(60-141)
1,1-Dichloroethane	50	0	56	112	(61-144)
Cyclohexane	50	0	52	104	(57-142)
2-Butanone	250	0	270	108	(42-145)
Carbon Tetrachloride	50	0	53	106	(60-140)
cis-1,2-Dichloroethene	50	50	100	100	(48-156)
Bromochloromethane	50	0	52	104	(59-146)
Chloroform	50	1.5	55	107	(63-140)
1,1,1-Trichloroethane	50	0	52	104	(65-140)
Methylcyclohexane	50	0	52	104	(62-128)
Benzene	50	0	54	108	(62-134)
1,2-Dichloroethane	50	0	54	108	(67-136)
Trichloroethene	50	7.1	56	98	(64-131)
1,2-Dichloropropane	50	0	57	114	(69-130)
Bromodichloromethane	50	0.83	57	112	(66-132)
4-Methyl-2-Pentanone	250	0	320	128	(57-148)
Toluene	50	0	54	108	(68-129)
t-1,3-Dichloropropene	50	0	52	104	(54-136)
cis-1,3-Dichloropropene	50	0	56	112	(56-133)
1,1,2-Trichloroethane	50	0	54	108	(68-134)

Column to be used to flag recovery and RPD values with an asterisk

*** Values outside of QC limits**

CHEMTECH

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Arcadis Inc.

Lab Code: CHEM **Cas No:** D2950 **SAS No :** D2950 **SDG No:** D2950

Client SampleID : PZ-13MS **Analytical Method:** EPA SW846 8260 **Datafile :** VR005773.D

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMITS REC
2-Hexanone	250	0	310	124	(46-158)
Dibromochloromethane	50	0	56	112	(59-136)
1,2-Dibromoethane	50	0	53	106	(65-138)
Tetrachloroethene	50	79	120	82	(29-137)
Chlorobenzene	50	0	50	100	(68-126)
Ethyl Benzene	50	0	55	110	(61-131)
m/p-Xylenes	100	0	110	110	(64-125)
o-Xylene	50	0	55	110	(65-126)
Styrene	50	0	57	114	(40-140)
Bromoform	50	0	52	104	(42-134)
Isopropylbenzene	50	0	52	104	(58-132)
1,1,2,2-Tetrachloroethane	50	0	53	106	(61-136)
1,3-Dichlorobenzene	50	0	52	104	(63-125)
1,4-Dichlorobenzene	50	0	49	98	(64-124)
1,2-Dichlorobenzene	50	0	50	100	(64-126)
1,2-Dibromo-3-Chloropropane	50	0	47	94	(57-139)
1,2,4-Trichlorobenzene	50	0	53	106	(57-130)
1,2,3-Trichlorobenzene	50	0	50	100	(57-131)
1,4-Dioxane	1000	0	1300	130	(50-150)

RPD : 0 Out of 52 outside limits

Spike Recovery : 0 Out of 52 outside limits

Column to be used to flag recovery and RPD values with an asterisk

*** Values outside of QC limits**

CHEMTECH

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Arcadis Inc.

Lab Code: CHEM **Cas No:** D2950 **SAS No :** D2950 **SDG No:** D2950

Client SampleID : PZ-13MSD **Analytical Method:** EPA SW846 8260 **Datafile :** VR005774.D

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % (ug/L)	%	QC LIMITS RPD	REC
Dichlorodifluoromethane	50	48	96	0	20	(47-161)
Chloromethane	50	58	116	0	20	(53-157)
Vinyl Chloride	50	47	93	10	20	(57-149)
Bromomethane	50	37	74	3	20	(45-165)
Chloroethane	50	54	108	4	20	(47-166)
Trichlorofluoromethane	50	51	102	2	20	(51-165)
1,1,2-Trichlorotrifluoroethane	50	50	100	2	20	(61-145)
1,1-Dichloroethene	50	51	102	6	20	(55-148)
Acetone	250	240	96	4	20	(11-159)
Carbon Disulfide	50	53	106	2	20	(13-149)
Methyl tert-butyl Ether	50	56	112	6	20	(60-145)
Methyl Acetate	50	56	112	4	20	(27-167)
Methylene Chloride	50	52	104	2	20	(56-146)
trans-1,2-Dichloroethene	50	51	102	0	20	(60-141)
1,1-Dichloroethane	50	57	114	2	20	(61-144)
Cyclohexane	50	51	102	2	20	(57-142)
2-Butanone	250	280	112	4	20	(42-145)
Carbon Tetrachloride	50	52	104	2	20	(60-140)
cis-1,2-Dichloroethene	50	100	100	0	20	(48-156)
Bromochloromethane	50	51	102	2	20	(59-146)
Chloroform	50	55	107	0	20	(63-140)
1,1,1-Trichloroethane	50	53	106	2	20	(65-140)
Methylcyclohexane	50	51	102	2	20	(62-128)
Benzene	50	54	108	0	20	(62-134)
1,2-Dichloroethane	50	53	106	2	20	(67-136)
Trichloroethene	50	56	98	0	20	(64-131)
1,2-Dichloropropane	50	57	114	0	20	(69-130)
Bromodichloromethane	50	56	110	2	20	(66-132)
4-Methyl-2-Pentanone	250	320	128	0	20	(57-148)
Toluene	50	53	106	2	20	(68-129)
t-1,3-Dichloropropene	50	52	104	0	20	(54-136)
cis-1,3-Dichloropropene	50	57	114	2	20	(56-133)
1,1,2-Trichloroethane	50	54	108	0	20	(68-134)

Column to be used to flag recovery and RPD values with an asterisk

*** Values outside of QC limits**

CHEMTECH

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Arcadis Inc.

Lab Code: CHEM **Cas No:** D2950 **SAS No :** D2950 **SDG No:** D2950

Client SampleID : PZ-13MSD **Analytical Method:** EPA SW846 8260 **Datafile :** VR005774.D

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % (ug/L)	%	QC LIMITS RPD	REC
2-Hexanone	250	310	124	0	20	(46-158)
Dibromochloromethane	50	54	108	4	20	(59-136)
1,2-Dibromoethane	50	53	106	0	20	(65-138)
Tetrachloroethene	50	120	82	0	20	(29-137)
Chlorobenzene	50	49	98	2	20	(68-126)
Ethyl Benzene	50	54	108	2	20	(61-131)
m/p-Xylenes	100	110	110	0	20	(64-125)
o-Xylene	50	55	110	0	20	(65-126)
Styrene	50	56	112	2	20	(40-140)
Bromoform	50	53	106	2	20	(42-134)
Isopropylbenzene	50	54	108	4	20	(58-132)
1,1,2,2-Tetrachloroethane	50	55	110	4	20	(61-136)
1,3-Dichlorobenzene	50	52	104	0	20	(63-125)
1,4-Dichlorobenzene	50	50	100	2	20	(64-124)
1,2-Dichlorobenzene	50	51	102	2	20	(64-126)
1,2-Dibromo-3-Chloropropane	50	50	100	6	20	(57-139)
1,2,4-Trichlorobenzene	50	56	112	6	20	(57-130)
1,2,3-Trichlorobenzene	50	55	110	10	20	(57-131)
1,4-Dioxane	1000	1300	130	0	20	(50-150)

RPD : 0 Out of 52 outside limits

Spike Recovery : 0 Out of 52 outside limits

Column to be used to flag recovery and RPD values with an asterisk

*** Values outside of QC limits**

CHEMTECH

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Arcadis Inc.

Lab Code: CHEM **Cas No:** D2950 **SAS No :** D2950 **SDG No:** D2950

Matrix Spike - EPA Sample No : BSF0606S1 **Analytical Method:** EPA SW846 8260 **Datafile :** VF033796.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		29	145*	(35-135)
Chloromethane	20		29	145*	(50-130)
Vinyl Chloride	20		29	145*	(60-125)
Bromomethane	20		24	120	(30-160)
Chloroethane	20		20	100	(40-155)
Trichlorofluoromethane	20		25	125	(25-185)
1,1,2-Trichlorotrifluoroethane	20		25	125	(73-133)
1,1-Dichloroethene	20		25	125	(65-135)
Acetone	100		89	89	(20-160)
Carbon Disulfide	20		21	105	(45-160)
Methyl tert-butyl Ether	20		22	110	(76-123)
Methyl Acetate	20		22	110	(44-187)
Methylene Chloride	20		24	120	(55-140)
trans-1,2-Dichloroethene	20		25	125	(65-135)
1,1-Dichloroethane	20		22	110	(75-125)
Cyclohexane	20		22	110	(66-132)
2-Butanone	100		90	90	(30-160)
Carbon Tetrachloride	20		24	120	(65-135)
cis-1,2-Dichloroethene	20		22	110	(65-125)
Bromochloromethane	20		15	75	(70-125)
Chloroform	20		23	115	(70-125)
1,1,1-Trichloroethane	20		24	120	(70-135)
Methylcyclohexane	20		25	125*	(71-124)
Benzene	20		22	110	(75-125)
1,2-Dichloroethane	20		21	105	(70-135)
Trichloroethene	20		23	115	(75-125)
1,2-Dichloropropane	20		22	110	(70-120)
Bromodichloromethane	20		21	105	(70-130)
4-Methyl-2-Pentanone	100		100	100	(45-145)
Toluene	20		22	110	(70-125)
t-1,3-Dichloropropene	20		21	105	(65-125)
cis-1,3-Dichloropropene	20		21	105	(70-125)
1,1,2-Trichloroethane	20		21	105	(60-125)
2-Hexanone	100		100	100	(45-145)

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Comments: _____

CHEMTECH

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Arcadis Inc.

Lab Code: CHEM **Cas No:** D2950 **SAS No :** D2950 **SDG No:** D2950

Matrix Spike - EPA Sample No : BSF0606S1 **Analytical Method:** EPA SW846 8260 **Datafile :** VF033796.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dibromochloromethane	20		21	105	(65-130)
1,2-Dibromoethane	20		21	105	(70-125)
Tetrachloroethene	20		21	105	(65-140)
Chlorobenzene	20		22	110	(75-125)
Ethyl Benzene	20		23	115	(75-125)
m/p-Xylenes	40		45	113	(80-125)
o-Xylene	20		23	115	(75-125)
Styrene	20		22	110	(75-125)
Bromoform	20		19	95	(55-135)
Isopropylbenzene	20		23	115	(75-130)
1,1,2,2-Tetrachloroethane	20		21	105	(55-130)
1,3-Dichlorobenzene	20		23	115	(70-125)
1,4-Dichlorobenzene	20		22	110	(70-125)
1,2-Dichlorobenzene	20		22	110	(75-120)
1,2-Dibromo-3-Chloropropane	20		18	90	(40-135)
1,2,4-Trichlorobenzene	20		23	115	(65-130)
1,2,3-Trichlorobenzene	20		21	105	(60-135)
1,4-Dioxane	400		390	98	(50-150)

RPD : 0 Out of 52 outside limits

Spike Recovery : 4 Out of 52 outside limits

Column to be used to flag recovery and RPD values with an asterisk

*** Values outside of QC limits**

Comments: _____

CHEMTECH

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Arcadis Inc.

Lab Code: CHEM **Cas No:** D2950 **SAS No :** D2950 **SDG No:** D2950

Matrix Spike - EPA Sample No : BSF0606S2 **Analytical Method:** EPA SW846 8260 **Datafile :** VF033797.D

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	LCSD % RPD #	QC LIMITS RPD	QC LIMITS REC
Dichlorodifluoromethane	20	26	130	11	20	(35-135)
Chloromethane	20	25	125	15	20	(50-130)
Vinyl Chloride	20	27	135*	7	20	(60-125)
Bromomethane	20	19	95	23*	20	(30-160)
Chloroethane	20	18	90	11	20	(40-155)
Trichlorofluoromethane	20	23	115	8	20	(25-185)
1,1,2-Trichlorotrifluoroethane	20	23	115	8	20	(73-133)
1,1-Dichloroethene	20	22	110	13	20	(65-135)
Acetone	100	84	84	6	20	(20-160)
Carbon Disulfide	20	19	95	10	20	(45-160)
Methyl tert-butyl Ether	20	21	105	5	20	(76-123)
Methyl Acetate	20	20	100	10	20	(44-187)
Methylene Chloride	20	22	110	9	20	(55-140)
trans-1,2-Dichloroethene	20	23	115	8	20	(65-135)
1,1-Dichloroethane	20	21	105	5	20	(75-125)
Cyclohexane	20	20	100	10	20	(66-132)
2-Butanone	100	92	92	2	20	(30-160)
Carbon Tetrachloride	20	21	105	13	20	(65-135)
cis-1,2-Dichloroethene	20	21	105	5	20	(65-125)
Bromochloromethane	20	13	65*	14	20	(70-125)
Chloroform	20	21	105	9	20	(70-125)
1,1,1-Trichloroethane	20	22	110	9	20	(70-135)
Methylcyclohexane	20	24	120	4	20	(71-124)
Benzene	20	21	105	5	20	(75-125)
1,2-Dichloroethane	20	21	105	0	20	(70-135)
Trichloroethene	20	23	115	0	20	(75-125)
1,2-Dichloropropane	20	22	110	0	20	(70-120)
Bromodichloromethane	20	20	100	5	20	(70-130)
4-Methyl-2-Pentanone	100	99	99	1	20	(45-145)
Toluene	20	21	105	5	20	(70-125)
t-1,3-Dichloropropene	20	21	105	0	20	(65-125)
cis-1,3-Dichloropropene	20	20	100	5	20	(70-125)
1,1,2-Trichloroethane	20	20	100	5	20	(60-125)
2-Hexanone	100	96	96	4	20	(45-145)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

CHEMTECH

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Arcadis Inc.

Lab Code: CHEM **Cas No:** D2950 **SAS No :** D2950 **SDG No:** D2950

Matrix Spike - EPA Sample No : BSF0606S2 **Analytical Method:** EPA SW846 8260 **Datafile :** VF033797.D

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	LCSD % RPD #	QC LIMITS RPD	QC LIMITS REC
Dibromochloromethane	20	20	100	5	20	(65-130)
1,2-Dibromoethane	20	20	100	5	20	(70-125)
Tetrachloroethene	20	22	110	5	20	(65-140)
Chlorobenzene	20	22	110	0	20	(75-125)
Ethyl Benzene	20	22	110	4	20	(75-125)
m/p-Xylenes	40	45	113	0	20	(80-125)
o-Xylene	20	22	110	4	20	(75-125)
Styrene	20	22	110	0	20	(75-125)
Bromoform	20	19	95	0	20	(55-135)
Isopropylbenzene	20	23	115	0	20	(75-130)
1,1,2,2-Tetrachloroethane	20	20	100	5	20	(55-130)
1,3-Dichlorobenzene	20	22	110	4	20	(70-125)
1,4-Dichlorobenzene	20	22	110	0	20	(70-125)
1,2-Dichlorobenzene	20	21	105	5	20	(75-120)
1,2-Dibromo-3-Chloropropane	20	20	100	11	20	(40-135)
1,2,4-Trichlorobenzene	20	22	110	4	20	(65-130)
1,2,3-Trichlorobenzene	20	22	110	5	20	(60-135)
1,4-Dioxane	400	360	90	9	20	(50-150)

RPD : 1 Out of 52 outside limits

Spike Recovery : 2 Out of 52 outside limits

Column to be used to flag recovery and RPD values with an asterisk

*** Values outside of QC limits**

Comments: _____

CHEMTECH

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Arcadis Inc.

Lab Code: CHEM **Cas No:** D2950 **SAS No :** D2950 **SDG No:** D2950

Matrix Spike - EPA Sample No : BSG0605W1 **Analytical Method:** EPA SW846 8260 **Datafile :** VG042937.D

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		19	95	(30-155)
Chloromethane	20		20	100	(40-125)
Vinyl Chloride	20		19	95	(50-145)
Bromomethane	20		19	95	(30-145)
Chloroethane	20		20	100	(60-135)
Trichlorofluoromethane	20		19	95	(60-145)
1,1,2-Trichlorotrifluoroethane	20		20	100	(52-142)
1,1-Dichloroethene	20		19	95	(70-130)
Acetone	100		120	120	(40-140)
Carbon Disulfide	20		16	80	(35-160)
Methyl tert-butyl Ether	20		20	100	(65-125)
Methyl Acetate	20		20	100	(51-158)
Methylene Chloride	20		20	100	(55-140)
trans-1,2-Dichloroethene	20		21	105	(60-140)
1,1-Dichloroethane	20		21	105	(70-135)
Cyclohexane	20		19	95	(56-141)
2-Butanone	100		93	93	(30-150)
Carbon Tetrachloride	20		19	95	(65-140)
cis-1,2-Dichloroethene	20		22	110	(70-125)
Bromochloromethane	20		22	110	(65-130)
Chloroform	20		21	105	(65-135)
1,1,1-Trichloroethane	20		19	95	(65-130)
Methylcyclohexane	20		20	100	(56-137)
Benzene	20		22	110	(80-120)
1,2-Dichloroethane	20		21	105	(70-130)
Trichloroethene	20		21	105	(70-125)
1,2-Dichloropropane	20		22	110	(75-125)
Bromodichloromethane	20		20	100	(75-120)
4-Methyl-2-Pentanone	100		130	130	(60-135)
Toluene	20		21	105	(75-120)
t-1,3-Dichloropropene	20		20	100	(55-140)
cis-1,3-Dichloropropene	20		20	100	(70-130)
1,1,2-Trichloroethane	20		21	105	(75-125)
2-Hexanone	100		110	110	(55-130)

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Comments: _____

CHEMTECH

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Arcadis Inc.

Lab Code: CHEM **Cas No:** D2950 **SAS No :** D2950 **SDG No:** D2950

Matrix Spike - EPA Sample No : BSG0605W1 **Analytical Method:** EPA SW846 8260 **Datafile :** VG042937.D

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Dibromochloromethane	20		19	95	(60-135)
1,2-Dibromoethane	20		21	105	(80-120)
Tetrachloroethene	20		20	100	(45-150)
Chlorobenzene	20		20	100	(80-120)
Ethyl Benzene	20		19	95	(75-125)
m/p-Xylenes	40		43	108	(75-130)
o-Xylene	20		20	100	(80-120)
Styrene	20		21	105	(65-135)
Bromoform	20		18	90	(70-130)
Isopropylbenzene	20		19	95	(75-125)
1,1,2,2-Tetrachloroethane	20		21	105	(65-130)
1,3-Dichlorobenzene	20		20	100	(75-125)
1,4-Dichlorobenzene	20		20	100	(75-125)
1,2-Dichlorobenzene	20		21	105	(70-120)
1,2-Dibromo-3-Chloropropane	20		20	100	(50-130)
1,2,4-Trichlorobenzene	20		19	95	(65-135)
1,2,3-Trichlorobenzene	20		18	90	(55-140)
1,4-Dioxane	400		520	130	(50-150)

RPD : 0 Out of 52 outside limits

Spike Recovery : 0 Out of 52 outside limits

Column to be used to flag recovery and RPD values with an asterisk

*** Values outside of QC limits**

Comments: _____

CHEMTECH

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Arcadis Inc.

Lab Code: CHEM **Cas No:** D2950 **SAS No :** D2950 **SDG No:** D2950

Matrix Spike - EPA Sample No : BSH0605M1 **Analytical Method:** EPA SW846 8260 - MED **Datafile :** VH047947.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	2000		1900	95	(47-148)
Chloromethane	2000		1800	90	(56-145)
Vinyl Chloride	2000		1800	90	(60-138)
Bromomethane	2000		1700	85	(45-158)
Chloroethane	2000		2000	100	(42-161)
Trichlorofluoromethane	2000		1600	80	(55-146)
1,1,2-Trichlorotrifluoroethane	2000		1500	75	(65-134)
1,1-Dichloroethene	2000		1700	85	(65-136)
Acetone	10000		8700	87	(57-148)
Carbon Disulfide	2000		1800	90	(60-138)
Methyl tert-butyl Ether	2000		1800	90	(70-131)
Methyl Acetate	2000		1600	80	(44-187)
Methylene Chloride	2000		1800	90	(63-141)
trans-1,2-Dichloroethene	2000		1800	90	(73-130)
1,1-Dichloroethane	2000		1800	90	(74-133)
Cyclohexane	2000		1800	90	(66-132)
2-Butanone	10000		9100	91	(52-153)
Carbon Tetrachloride	2000		1800	90	(74-122)
cis-1,2-Dichloroethene	2000		2000	100	(75-129)
Bromochloromethane	2000		1900	95	(74-129)
Chloroform	2000		1800	90	(75-135)
1,1,1-Trichloroethane	2000		1800	90	(75-128)
Methylcyclohexane	2000		1800	90	(71-124)
Benzene	2000		1800	90	(79-122)
1,2-Dichloroethane	2000		1900	95	(75-132)
Trichloroethene	2000		1800	90	(77-120)
1,2-Dichloropropane	2000		1900	95	(76-127)
Bromodichloromethane	2000		1700	85	(77-124)
4-Methyl-2-Pentanone	10000		9400	94	(70-141)
Toluene	2000		1900	95	(78-121)
t-1,3-Dichloropropene	2000		1700	85	(76-127)
cis-1,3-Dichloropropene	2000		1800	90	(79-122)
1,1,2-Trichloroethane	2000		1700	85	(76-127)
2-Hexanone	10000		9800	98	(55-154)

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Comments: _____

CHEMTECH

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Arcadis Inc.

Lab Code: CHEM **Cas No:** D2950 **SAS No :** D2950 **SDG No:** D2950

Matrix Spike - EPA Sample No : BSH0605M1 **Analytical Method:** EPA SW846 8260 - MED **Datafile :** VH047947.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dibromochloromethane	2000		1900	95	(73-126)
1,2-Dibromoethane	2000		1700	85	(76-127)
Tetrachloroethene	2000		2000	100	(61-145)
Chlorobenzene	2000		1900	95	(79-120)
Ethyl Benzene	2000		1800	90	(77-120)
m/p-Xylenes	4000		3800	95	(78-120)
o-Xylene	2000		2100	105	(78-119)
Styrene	2000		1900	95	(80-119)
Bromoform	2000		1800	90	(71-125)
Isopropylbenzene	2000		2000	100	(77-124)
1,1,2,2-Tetrachloroethane	2000		2000	100	(77-130)
1,3-Dichlorobenzene	2000		2000	100	(82-121)
1,4-Dichlorobenzene	2000		2000	100	(82-118)
1,2-Dichlorobenzene	2000		2000	100	(81-122)
1,2-Dibromo-3-Chloropropane	2000		1900	95	(66-132)
1,2,4-Trichlorobenzene	2000		2100	105	(71-124)
1,2,3-Trichlorobenzene	2000		2000	100	(74-123)
1,4-Dioxane	40000		32000	80	(50-150)

RPD : 0 Out of 52 outside limits

Spike Recovery : 0 Out of 52 outside limits

Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

Comments: _____

CHEMTECH

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Arcadis Inc.

Lab Code: CHEM **Cas No:** D2950 **SAS No :** D2950 **SDG No:** D2950

Matrix Spike - EPA Sample No : BSR0606W1 **Analytical Method:** EPA SW846 8260 **Datafile :** VR005753.D

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		18	90	(30-155)
Chloromethane	20		18	90	(40-125)
Vinyl Chloride	20		21	105	(50-145)
Bromomethane	20		16	80	(30-145)
Chloroethane	20		20	100	(60-135)
Trichlorofluoromethane	20		20	100	(60-145)
1,1,2-Trichlorotrifluoroethane	20		20	100	(52-142)
1,1-Dichloroethene	20		19	95	(70-130)
Acetone	100		100	100	(40-140)
Carbon Disulfide	20		20	100	(35-160)
Methyl tert-butyl Ether	20		19	95	(65-125)
Methyl Acetate	20		21	105	(51-158)
Methylene Chloride	20		20	100	(55-140)
trans-1,2-Dichloroethene	20		20	100	(60-140)
1,1-Dichloroethane	20		21	105	(70-135)
Cyclohexane	20		20	100	(56-141)
2-Butanone	100		97	97	(30-150)
Carbon Tetrachloride	20		20	100	(65-140)
cis-1,2-Dichloroethene	20		20	100	(70-125)
Bromochloromethane	20		20	100	(65-130)
Chloroform	20		20	100	(65-135)
1,1,1-Trichloroethane	20		20	100	(65-130)
Methylcyclohexane	20		20	100	(56-137)
Benzene	20		21	105	(80-120)
1,2-Dichloroethane	20		20	100	(70-130)
Trichloroethene	20		19	95	(70-125)
1,2-Dichloropropane	20		21	105	(75-125)
Bromodichloromethane	20		21	105	(75-120)
4-Methyl-2-Pentanone	100		110	110	(60-135)
Toluene	20		20	100	(75-120)
t-1,3-Dichloropropene	20		19	95	(55-140)
cis-1,3-Dichloropropene	20		21	105	(70-130)
1,1,2-Trichloroethane	20		20	100	(75-125)
2-Hexanone	100		100	100	(55-130)

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Comments: _____

CHEMTECH

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Arcadis Inc.

Lab Code: CHEM **Cas No:** D2950 **SAS No :** D2950 **SDG No:** D2950

Matrix Spike - EPA Sample No : BSR0606W1 **Analytical Method:** EPA SW846 8260 **Datafile :** VR005753.D

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Dibromochloromethane	20		20	100	(60-135)
1,2-Dibromoethane	20		20	100	(80-120)
Tetrachloroethene	20		18	90	(45-150)
Chlorobenzene	20		19	95	(80-120)
Ethyl Benzene	20		20	100	(75-125)
m/p-Xylenes	40		41	103	(75-130)
o-Xylene	20		21	105	(80-120)
Styrene	20		21	105	(65-135)
Bromoform	20		18	90	(70-130)
Isopropylbenzene	20		20	100	(75-125)
1,1,2,2-Tetrachloroethane	20		20	100	(65-130)
1,3-Dichlorobenzene	20		20	100	(75-125)
1,4-Dichlorobenzene	20		19	95	(75-125)
1,2-Dichlorobenzene	20		20	100	(70-120)
1,2-Dibromo-3-Chloropropane	20		19	95	(50-130)
1,2,4-Trichlorobenzene	20		20	100	(65-135)
1,2,3-Trichlorobenzene	20		19	95	(55-140)
1,4-Dioxane	400		400	100	(50-150)

RPD : 0 Out of 52 outside limits

Spike Recovery : 0 Out of 52 outside limits

Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

Comments: _____

CHEMTECH

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0606S1

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: D2950 SAS No.: D2950 SDG NO.: D2950

Lab File ID: VF033795.D Lab Sample ID: VBF0606S1

Date Analyzed: 06/06/2012 Time Analyzed: 11:34

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF0606S1	BSF0606S1	VF033796.D	06/06/2012
BSF0606S2	BSF0606S2	VF033797.D	06/06/2012
IDW-053112	D2950-07	VF033804.D	06/06/2012

COMMENTS:

CHEMTECH

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBG0605W1

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: D2950 SAS No.: D2950 SDG NO.: D2950

Lab File ID: VG042936.D Lab Sample ID: VBG0605W1

Date Analyzed: 06/05/2012 Time Analyzed: 19:48

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAG

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSG0605W1	BSG0605W1	VG042937.D	06/05/2012
TRIPBLANK	D2950-01	VG042940.D	06/05/2012
PZ-11	D2950-02	VG042950.D	06/06/2012
DUP-053112	D2950-03	VG042951.D	06/06/2012
PZ-14	D2950-08	VG042952.D	06/06/2012
PZ-12	D2950-09	VG042953.D	06/06/2012
PZ-15	D2950-10	VG042954.D	06/06/2012
PZ-16	D2950-11	VG042955.D	06/06/2012

COMMENTS:

CHEMTECH

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBH0605M1

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: D2950 SAS No.: D2950 SDG NO.: D2950

Lab File ID: VH047944.D Lab Sample ID: VBH0605M1

Date Analyzed: 06/05/2012 Time Analyzed: 19:58

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAH

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSH0605M1	BSH0605M1	VH047947.D	06/05/2012
IDW-060412	D2950-12	VH047966.D	06/06/2012

COMMENTS:

CHEMTECH

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBR0606W1

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: D2950 SAS No.: D2950 SDG NO.: D2950

Lab File ID: VR005752.D Lab Sample ID: VBR0606W1

Date Analyzed: 06/06/2012 Time Analyzed: 11:16

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_R

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSR0606W1	BSR0606W1	VR005753.D	06/06/2012
PZ-13	D2950-04	VR005763.D	06/06/2012
PZ-13MS	D2950-05MS	VR005773.D	06/06/2012
PZ-13MSD	D2950-06MSD	VR005774.D	06/06/2012

COMMENTS:

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBF0606S1	SDG No.:	D2950
Lab Sample ID:	VBF0606S1	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033795.D	1		06/06/12	VF060612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5	U	0.65	2.5	5	ug/Kg
74-87-3	Chloromethane	5	U	0.86	2.5	5	ug/Kg
75-01-4	Vinyl Chloride	5	U	1.2	2.5	5	ug/Kg
74-83-9	Bromomethane	5	U	2.4	2.5	5	ug/Kg
75-00-3	Chloroethane	5	U	1.4	2.5	5	ug/Kg
75-69-4	Trichlorofluoromethane	5	U	1.3	2.5	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U	1.3	2.5	5	ug/Kg
75-35-4	1,1-Dichloroethene	5	U	1.5	2.5	5	ug/Kg
67-64-1	Acetone	25	U	3	12.5	25	ug/Kg
75-15-0	Carbon Disulfide	5	U	1.1	2.5	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5	U	0.96	2.5	5	ug/Kg
79-20-9	Methyl Acetate	5	U	1.5	2.5	5	ug/Kg
75-09-2	Methylene Chloride	5	U	1.4	2.5	5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5	U	0.69	2.5	5	ug/Kg
75-34-3	1,1-Dichloroethane	5	U	0.94	2.5	5	ug/Kg
110-82-7	Cyclohexane	5	U	1	2.5	5	ug/Kg
78-93-3	2-Butanone	25	U	3.1	12.5	25	ug/Kg
56-23-5	Carbon Tetrachloride	5	U	0.99	2.5	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5	U	0.89	2.5	5	ug/Kg
74-97-5	Bromochloromethane	5	U	0.79	2.5	5	ug/Kg
67-66-3	Chloroform	5	U	0.74	2.5	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	5	U	0.88	2.5	5	ug/Kg
108-87-2	Methylcyclohexane	5	U	1.1	2.5	5	ug/Kg
71-43-2	Benzene	5	U	0.38	2.5	5	ug/Kg
107-06-2	1,2-Dichloroethane	5	U	0.64	2.5	5	ug/Kg
79-01-6	Trichloroethene	5	U	0.86	2.5	5	ug/Kg
78-87-5	1,2-Dichloropropane	5	U	0.26	2.5	5	ug/Kg
75-27-4	Bromodichloromethane	5	U	0.62	2.5	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	25	U	2.9	12.5	25	ug/Kg
108-88-3	Toluene	5	U	0.64	2.5	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5	U	0.79	2.5	5	ug/Kg

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBF0606S1	SDG No.:	D2950
Lab Sample ID:	VBF0606S1	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033795.D	1		06/06/12	VF060612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	5	U	0.72	2.5	5	ug/Kg
79-00-5	1,1,2-Trichloroethane	5	U	0.9	2.5	5	ug/Kg
591-78-6	2-Hexanone	25	U	3.9	12.5	25	ug/Kg
124-48-1	Dibromochloromethane	5	U	0.54	2.5	5	ug/Kg
106-93-4	1,2-Dibromoethane	5	U	0.64	2.5	5	ug/Kg
127-18-4	Tetrachloroethene	5	U	1	2.5	5	ug/Kg
108-90-7	Chlorobenzene	5	U	0.5	2.5	5	ug/Kg
100-41-4	Ethyl Benzene	5	U	0.62	2.5	5	ug/Kg
179601-23-1	m/p-Xylenes	10	U	0.72	5	10	ug/Kg
95-47-6	o-Xylene	5	U	0.68	2.5	5	ug/Kg
100-42-5	Styrene	5	U	0.45	2.5	5	ug/Kg
75-25-2	Bromoform	5	U	0.74	2.5	5	ug/Kg
98-82-8	Isopropylbenzene	5	U	0.48	2.5	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.46	2.5	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	5	U	0.37	2.5	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	5	U	0.41	2.5	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	5	U	0.62	2.5	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5	U	0.87	2.5	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5	U	0.7	2.5	5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5	U	0.5	2.5	5	ug/Kg
123-91-1	1,4-Dioxane	100	U	100	100	100	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54		55 - 158		108%	SPK: 50
1868-53-7	Dibromofluoromethane	55.9		53 - 156		112%	SPK: 50
2037-26-5	Toluene-d8	52.7		85 - 115		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	55		85 - 120		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	296670	4.35				
540-36-3	1,4-Difluorobenzene	428921	5.1				
3114-55-4	Chlorobenzene-d5	401280	9.3				
3855-82-1	1,4-Dichlorobenzene-d4	210898	12.22				

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBF0606S1	SDG No.:	D2950
Lab Sample ID:	VBF0606S1	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033795.D	1		06/06/12	VF060612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBG0605W1	SDG No.:	D2950
Lab Sample ID:	VBG0605W1	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG042936.D	1		06/05/12	VG060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBG0605W1	SDG No.:	D2950
Lab Sample ID:	VBG0605W1	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG042936.D	1		06/05/12	VG060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.52	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
123-91-1	1,4-Dioxane	20	U	10	10	20	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.1		70 - 120		96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		85 - 115		98%	SPK: 50
2037-26-5	Toluene-d8	49.2		85 - 120		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.1		75 - 120		116%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1723050	3.8				
540-36-3	1,4-Difluorobenzene	2670810	4.59				
3114-55-4	Chlorobenzene-d5	2582310	9.58				
3855-82-1	1,4-Dichlorobenzene-d4	1168000	13.29				

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBG0605W1	SDG No.:	D2950
Lab Sample ID:	VBG0605W1	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG042936.D	1		06/05/12	VG060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBH0605M1	SDG No.:	D2950
Lab Sample ID:	VBH0605M1	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH047944.D	1		06/05/12	VH060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	500	U	55	250	500	ug/Kg
74-87-3	Chloromethane	500	U	54	250	500	ug/Kg
75-01-4	Vinyl Chloride	500	U	34	250	500	ug/Kg
74-83-9	Bromomethane	500	U	62	250	500	ug/Kg
75-00-3	Chloroethane	500	U	66	250	500	ug/Kg
75-69-4	Trichlorofluoromethane	500	U	35	250	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	500	U	45	250	500	ug/Kg
75-35-4	1,1-Dichloroethene	500	U	47	250	500	ug/Kg
67-64-1	Acetone	2500	U	300	1250	2500	ug/Kg
75-15-0	Carbon Disulfide	500	U	54	250	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	500	U	35	250	500	ug/Kg
79-20-9	Methyl Acetate	500	U	83	250	500	ug/Kg
75-09-2	Methylene Chloride	500	U	41	250	500	ug/Kg
156-60-5	trans-1,2-Dichloroethene	500	U	41	250	500	ug/Kg
75-34-3	1,1-Dichloroethane	500	U	36	250	500	ug/Kg
110-82-7	Cyclohexane	500	U	55	250	500	ug/Kg
78-93-3	2-Butanone	2500	U	130	1250	2500	ug/Kg
56-23-5	Carbon Tetrachloride	500	U	62	250	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	500	U	35	250	500	ug/Kg
74-97-5	Bromochloromethane	500	U	220	250	500	ug/Kg
67-66-3	Chloroform	500	U	34	250	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	500	U	40	250	500	ug/Kg
108-87-2	Methylcyclohexane	500	U	68	250	500	ug/Kg
71-43-2	Benzene	500	U	32	250	500	ug/Kg
107-06-2	1,2-Dichloroethane	500	U	48	250	500	ug/Kg
79-01-6	Trichloroethene	500	U	28	250	500	ug/Kg
78-87-5	1,2-Dichloropropane	500	U	46	250	500	ug/Kg
75-27-4	Bromodichloromethane	500	U	36	250	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2500	U	210	1250	2500	ug/Kg
108-88-3	Toluene	500	U	37	250	500	ug/Kg
10061-02-6	t-1,3-Dichloropropene	500	U	29	250	500	ug/Kg

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBH0605M1	SDG No.:	D2950
Lab Sample ID:	VBH0605M1	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH047944.D	1		06/05/12	VH060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	500	U	31	250	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	500	U	38	250	500	ug/Kg
591-78-6	2-Hexanone	2500	U	190	1250	2500	ug/Kg
124-48-1	Dibromochloromethane	500	U	52	250	500	ug/Kg
106-93-4	1,2-Dibromoethane	500	U	41	250	500	ug/Kg
127-18-4	Tetrachloroethene	500	U	27	250	500	ug/Kg
108-90-7	Chlorobenzene	500	U	49	250	500	ug/Kg
100-41-4	Ethyl Benzene	500	U	53	250	500	ug/Kg
179601-23-1	m/p-Xylenes	1000	U	95	500	1000	ug/Kg
95-47-6	o-Xylene	500	U	43	250	500	ug/Kg
100-42-5	Styrene	500	U	36	250	500	ug/Kg
75-25-2	Bromoform	500	U	47	250	500	ug/Kg
98-82-8	Isopropylbenzene	500	U	45	250	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	500	U	31	250	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	500	U	43	250	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	500	U	32	250	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	500	U	45	250	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	500	U	46	250	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	500	U	62	250	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	500	U	65	250	500	ug/Kg
123-91-1	1,4-Dioxane	10000	U	5000	5000	10000	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.6		56 - 120		91%	SPK: 50
1868-53-7	Dibromofluoromethane	42.8		57 - 135		86%	SPK: 50
2037-26-5	Toluene-d8	49.8		67 - 123		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	43		33 - 141		86%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	186289	4.96				
540-36-3	1,4-Difluorobenzene	358492	5.68				
3114-55-4	Chlorobenzene-d5	338446	9.79				
3855-82-1	1,4-Dichlorobenzene-d4	209718	12.53				

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBH0605M1	SDG No.:	D2950
Lab Sample ID:	VBH0605M1	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH047944.D	1		06/05/12	VH060512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBR0606W1	SDG No.:	D2950
Lab Sample ID:	VBR0606W1	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR005752.D	1		06/06/12	VR060612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	0.5	1	ug/L
67-64-1	Acetone	5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.5	1	ug/L
71-43-2	Benzene	1	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	1	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	0.5	1	ug/L

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBR0606W1	SDG No.:	D2950
Lab Sample ID:	VBR0606W1	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR005752.D	1		06/06/12	VR060612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	1	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.52	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	1	2	ug/L
95-47-6	o-Xylene	1	U	0.43	0.5	1	ug/L
100-42-5	Styrene	1	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	1	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.5	1	ug/L
123-91-1	1,4-Dioxane	20	U	10	10	20	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54		70 - 120		108%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		85 - 115		105%	SPK: 50
2037-26-5	Toluene-d8	54.7		85 - 120		109%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.1		75 - 120		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	903151	7.57				
540-36-3	1,4-Difluorobenzene	1724490	8.49				
3114-55-4	Chlorobenzene-d5	1582160	11.3				
3855-82-1	1,4-Dichlorobenzene-d4	763401	13.24				

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	VBR0606W1	SDG No.:	D2950
Lab Sample ID:	VBR0606W1	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VR005752.D	1		06/06/12	VR060612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: D2950 SAS No.: D2950 SDG NO.: D2950

Lab File ID: VF033794.D Date Analyzed: 06/06/2012

Instrument ID: MSVOA_F Time Analyzed: 10:53

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	275961	4.35	397402	5.09	373372	9.29
UPPER LIMIT	551922	4.85	794804	5.59	746744	9.79
LOWER LIMIT	137980.5	3.85	198701	4.59	186686	8.79
EPA SAMPLE NO.						
BSF0606S1	270107	4.35	378698	5.10	363091	9.30
BSF0606S2	284984	4.35	408903	5.10	370742	9.30
IDW-053112	216408	4.36	321324	5.11	309818	9.30
VBF0606S1	296670	4.35	428921	5.10	401280	9.30

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: D2950 SAS No.: D2950 SDG NO.: D2950

Lab File ID: VG042935.D Date Analyzed: 06/05/2012

Instrument ID: MSVOAG Time Analyzed: 18:40

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1846687	3.82	2852557	4.59	2670980	9.59
UPPER LIMIT	3693374	4.32	5705114	5.09	5341960	10.09
LOWER LIMIT	923343.5	3.32	1426279	4.09	1335490	9.09
EPA SAMPLE NO.						
BSG0605W1	1817894	3.81	2799594	4.58	2677892	9.57
TRIPBLANK	1622691	3.80	2508060	4.58	2499040	9.57
PZ-11	1538752	3.80	2518623	4.58	2305984	9.57
DUP-053112	1443420	3.81	2314220	4.58	2190795	9.55
PZ-14	1403202	3.80	2091236	4.58	2239252	9.55
PZ-12	1386989	3.80	2108591	4.58	2147249	9.55
PZ-15	1438090	3.81	2352180	4.58	2215995	9.55
PZ-16	1369708	3.80	2239485	4.59	2212862	9.55
VBG0605W1	1723045	3.80	2670809	4.59	2582308	9.58

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: D2950 SAS No.: D2950 SDG NO.: D2950

Lab File ID: VH047943.D Date Analyzed: 06/05/2012

Instrument ID: MSVOAH Time Analyzed: 18:28

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	215930	4.95	418751	5.67	415373	9.79
UPPER LIMIT	431860	5.45	837502	6.17	830746	10.29
LOWER LIMIT	107965	4.45	209375.5	5.17	207686.5	9.29
EPA SAMPLE NO.						
BSH0605M1	180542	4.96	356843	5.67	340377	9.79
IDW-060412	362706	4.95	664807	5.68	645433	9.79
VBH0605M1	186289	4.96	358492	5.68	338446	9.79

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: D2950 SAS No.: D2950 SDG NO.: D2950

Lab File ID: VR005751.D Date Analyzed: 06/06/2012

Instrument ID: MSVOA_R Time Analyzed: 10:07

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	916134	7.57	1756220	8.49	1606742	11.30
UPPER LIMIT	1832268	8.07	3512440	8.99	3213484	11.8
LOWER LIMIT	458067	7.07	878110	7.99	803371	10.8
EPA SAMPLE NO.						
BSR0606W1	948599	7.57	1798502	8.49	1625963	11.30
PZ-13	814236	7.57	1566006	8.49	1445494	11.30
PZ-13MS	864770	7.57	1655787	8.49	1544496	11.30
PZ-13MSD	929798	7.57	1811537	8.49	1645605	11.30
VBR0606W1	903151	7.57	1724491	8.49	1582163	11.30

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: D2950 SAS No.: D2950 SDG NO.: D2950

Lab File ID: VF033794.D Date Analyzed: 06/06/2012

Instrument ID: MSVOA_F Time Analyzed: 10:53

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	209942	12.22				
UPPER LIMIT	419884	12.72				
LOWER LIMIT	104971	11.72				
EPA SAMPLE NO.						
BSF0606S1	202900	12.22				
BSF0606S2	207684	12.22				
IDW-053112	161482	12.23				
VBF0606S1	210898	12.22				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: D2950 SAS No.: D2950 SDG NO.: D2950

Lab File ID: VG042935.D Date Analyzed: 06/05/2012

Instrument ID: MSVOAG Time Analyzed: 18:40

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	1413059	13.29				
UPPER LIMIT	2826118	13.79				
LOWER LIMIT	706529.5	12.79				
EPA SAMPLE NO.						
BSG0605W1	1337231	13.29				
TRIPBLANK	1163428	13.29				
PZ-11	1055281	13.28				
DUP-053112	1050471	13.26				
PZ-14	1021740	13.25				
PZ-12	1011347	13.25				
PZ-15	1057072	13.25				
PZ-16	997537	13.25				
VBG0605W1	1168002	13.29				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: D2950 SAS No.: D2950 SDG NO.: D2950

Lab File ID: VH047943.D Date Analyzed: 06/05/2012

Instrument ID: MSVOAH Time Analyzed: 18:28

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	273231	12.53				
UPPER LIMIT	546462	13.03				
LOWER LIMIT	136615.5	12.03				
EPA SAMPLE NO.						
BSH0605M1	207597	12.53				
IDW-060412	409941	12.52				
VBH0605M1	209718	12.53				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: D2950 SAS No.: D2950 SDG NO.: D2950

Lab File ID: VR005751.D Date Analyzed: 06/06/2012

Instrument ID: MSVOA_R Time Analyzed: 10:07

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	746452	13.24				
UPPER LIMIT	1492904	13.74				
LOWER LIMIT	373226	12.74				
EPA SAMPLE NO.						
BSR0606W1	745809	13.24				
PZ-13	696335	13.24				
PZ-13MS	734024	13.24				
PZ-13MSD	758379	13.24				
VBR0606W1	763401	13.24				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-11	SDG No.:	D2950
Lab Sample ID:	D2950-02	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077729.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	10	U	0.79	5	10	ug/L
108-95-2	Phenol	10	U	0.22	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.57	5	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.56	5	10	ug/L
95-48-7	2-Methylphenol	10	U	0.25	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.18	5	10	ug/L
98-86-2	Acetophenone	10	U	0.14	5	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.39	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.21	5	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	5	10	ug/L
98-95-3	Nitrobenzene	10	U	0.7	5	10	ug/L
78-59-1	Isophorone	10	U	0.31	5	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.54	5	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.73	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.57	5	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.68	5	10	ug/L
91-20-3	Naphthalene	10	U	0.12	5	10	ug/L
106-47-8	4-Chloroaniline	10	U	2.9	5	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	5	10	ug/L
105-60-2	Caprolactam	10	U	2.1	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.41	5	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.25	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.58	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.41	5	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.15	5	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.16	5	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.51	5	10	ug/L
131-11-3	Dimethylphthalate	10	UQ	0.23	5	10	ug/L
208-96-8	Acenaphthylene	10	U	0.72	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	5	10	ug/L

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-11	SDG No.:	D2950
Lab Sample ID:	D2950-02	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077729.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10	U	1.1	5	10	ug/L
83-32-9	Acenaphthene	10	U	0.22	5	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.2	5	10	ug/L
100-02-7	4-Nitrophenol	10	U	2.1	5	10	ug/L
132-64-9	Dibenzofuran	10	U	0.25	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	5	10	ug/L
84-66-2	Diethylphthalate	10	U	0.39	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.22	5	10	ug/L
86-73-7	Fluorene	10	U	0.32	5	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.76	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.62	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.24	5	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.19	5	10	ug/L
1912-24-9	Atrazine	10	U	0.41	5	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	5	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	5	10	ug/L
120-12-7	Anthracene	10	U	0.16	5	10	ug/L
86-74-8	Carbazole	10	U	0.23	5	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2.1	5	10	ug/L
206-44-0	Fluoranthene	10	U	0.41	5	10	ug/L
129-00-0	Pyrene	10	U	0.21	5	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.2	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	5	10	ug/L
218-01-9	Chrysene	10	U	0.19	5	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.16	5	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.53	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.19	5	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.15	5	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.43	5	10	ug/L

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-11	SDG No.:	D2950
Lab Sample ID:	D2950-02	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077729.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	5	10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	0.21	5	10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	0.21	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	44.2		10 - 130		29%	SPK: 150
13127-88-3	Phenol-d5	25		10 - 130		17%	SPK: 150
4165-60-0	Nitrobenzene-d5	67.8		36 - 131		68%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.4		39 - 131		84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		25 - 155		82%	SPK: 150
1718-51-0	Terphenyl-d14	52.5		23 - 130		53%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	97601	8.68				
1146-65-2	Naphthalene-d8	361240	10.85				
15067-26-2	Acenaphthene-d10	218969	13.8				
1517-22-2	Phenanthrene-d10	433954	16.28				
1719-03-5	Chrysene-d12	501321	20.72				
1520-96-3	Perylene-d12	384417	24.44				
TENTATIVE IDENTIFIED COMPOUNDS							
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.2	AB			5.94	ug/L
103-23-1	Hexanedioic acid, bis(2-ethylhexyl	2.7	JB			19.74	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-11	SDG No.:	D2950
Lab Sample ID:	D2950-02	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077729.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	DUP-053112	SDG No.:	D2950
Lab Sample ID:	D2950-03	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077730.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	10	U	0.8	5	10	ug/L
108-95-2	Phenol	10	U	0.22	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.57	5	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.56	5	10	ug/L
95-48-7	2-Methylphenol	10	U	0.25	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.18	5	10	ug/L
98-86-2	Acetophenone	10	U	0.15	5	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.4	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.21	5	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	5	10	ug/L
98-95-3	Nitrobenzene	10	U	0.71	5	10	ug/L
78-59-1	Isophorone	10	U	0.31	5	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.54	5	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.74	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.57	5	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.69	5	10	ug/L
91-20-3	Naphthalene	10	U	0.12	5	10	ug/L
106-47-8	4-Chloroaniline	10	U	3	5	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	5	10	ug/L
105-60-2	Caprolactam	10	U	2.1	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.42	5	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.25	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.58	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.42	5	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.16	5	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.17	5	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.51	5	10	ug/L
131-11-3	Dimethylphthalate	10	UQ	0.23	5	10	ug/L
208-96-8	Acenaphthylene	10	U	0.73	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	5	10	ug/L

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	DUP-053112	SDG No.:	D2950
Lab Sample ID:	D2950-03	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077730.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10	U	1.1	5	10	ug/L
83-32-9	Acenaphthene	10	U	0.22	5	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.2	5	10	ug/L
100-02-7	4-Nitrophenol	10	U	2.1	5	10	ug/L
132-64-9	Dibenzofuran	10	U	0.25	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	5	10	ug/L
84-66-2	Diethylphthalate	10	U	0.4	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.22	5	10	ug/L
86-73-7	Fluorene	10	U	0.32	5	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.77	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.62	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.24	5	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.19	5	10	ug/L
1912-24-9	Atrazine	10	U	0.42	5	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	5	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	5	10	ug/L
120-12-7	Anthracene	10	U	0.17	5	10	ug/L
86-74-8	Carbazole	10	U	0.23	5	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2.1	5	10	ug/L
206-44-0	Fluoranthene	10	U	0.42	5	10	ug/L
129-00-0	Pyrene	10	U	0.21	5	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.2	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.17	5	10	ug/L
218-01-9	Chrysene	10	U	0.19	5	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.17	5	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.53	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.19	5	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.15	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.16	5	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.44	5	10	ug/L

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	DUP-053112	SDG No.:	D2950
Lab Sample ID:	D2950-03	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077730.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	5	10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	0.21	5	10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	0.21	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	44.3		10 - 130		30%	SPK: 150
13127-88-3	Phenol-d5	25.2		10 - 130		17%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.8		36 - 131		66%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.6		39 - 131		81%	SPK: 100
118-79-6	2,4,6-Tribromophenol	122		25 - 155		82%	SPK: 150
1718-51-0	Terphenyl-d14	57.4		23 - 130		57%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	89872	8.68				
1146-65-2	Naphthalene-d8	340717	10.85				
15067-26-2	Acenaphthene-d10	214403	13.8				
1517-22-2	Phenanthrene-d10	415068	16.28				
1719-03-5	Chrysene-d12	471309	20.72				
1520-96-3	Perylene-d12	369386	24.44				
TENTATIVE IDENTIFIED COMPOUNDS							
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.0	AB			5.94	ug/L
1330-86-5	Diisooctyl adipate	2.8	J			19.74	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	DUP-053112	SDG No.:	D2950
Lab Sample ID:	D2950-03	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077730.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-13	SDG No.:	D2950
Lab Sample ID:	D2950-04	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	950 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077731.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	11	U	0.81	5.5	11	ug/L
108-95-2	Phenol	11	U	0.22	5.5	11	ug/L
111-44-4	bis(2-Chloroethyl)ether	11	U	0.58	5.5	11	ug/L
95-57-8	2-Chlorophenol	11	U	0.57	5.5	11	ug/L
95-48-7	2-Methylphenol	11	U	0.25	5.5	11	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	11	U	0.18	5.5	11	ug/L
98-86-2	Acetophenone	11	U	0.15	5.5	11	ug/L
65794-96-9	3+4-Methylphenols	11	U	0.4	5.5	11	ug/L
621-64-7	N-Nitroso-di-n-propylamine	11	U	0.21	5.5	11	ug/L
67-72-1	Hexachloroethane	11	U	0.26	5.5	11	ug/L
98-95-3	Nitrobenzene	11	U	0.72	5.5	11	ug/L
78-59-1	Isophorone	11	U	0.32	5.5	11	ug/L
88-75-5	2-Nitrophenol	11	U	0.55	5.5	11	ug/L
105-67-9	2,4-Dimethylphenol	11	U	0.75	5.5	11	ug/L
111-91-1	bis(2-Chloroethoxy)methane	11	U	0.58	5.5	11	ug/L
120-83-2	2,4-Dichlorophenol	11	U	0.69	5.5	11	ug/L
91-20-3	Naphthalene	11	U	0.13	5.5	11	ug/L
106-47-8	4-Chloroaniline	11	U	3	5.5	11	ug/L
87-68-3	Hexachlorobutadiene	11	U	0.26	5.5	11	ug/L
105-60-2	Caprolactam	11	U	2.1	5.5	11	ug/L
59-50-7	4-Chloro-3-methylphenol	11	U	0.42	5.5	11	ug/L
91-57-6	2-Methylnaphthalene	11	U	0.34	5.5	11	ug/L
77-47-4	Hexachlorocyclopentadiene	11	U	0.25	5.5	11	ug/L
88-06-2	2,4,6-Trichlorophenol	11	U	0.59	5.5	11	ug/L
95-95-4	2,4,5-Trichlorophenol	11	U	0.42	5.5	11	ug/L
92-52-4	1,1-Biphenyl	11	U	0.16	5.5	11	ug/L
91-58-7	2-Chloronaphthalene	11	U	0.17	5.5	11	ug/L
88-74-4	2-Nitroaniline	11	U	0.52	5.5	11	ug/L
131-11-3	Dimethylphthalate	11	UQ	0.23	5.5	11	ug/L
208-96-8	Acenaphthylene	11	U	0.74	5.5	11	ug/L
606-20-2	2,6-Dinitrotoluene	11	U	0.34	5.5	11	ug/L

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-13	SDG No.:	D2950
Lab Sample ID:	D2950-04	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	950 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077731.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	11	U	1.1	5.5	11	ug/L
83-32-9	Acenaphthene	11	U	0.22	5.5	11	ug/L
51-28-5	2,4-Dinitrophenol	11	U	2.2	5.5	11	ug/L
100-02-7	4-Nitrophenol	11	U	2.1	5.5	11	ug/L
132-64-9	Dibenzofuran	11	U	0.25	5.5	11	ug/L
121-14-2	2,4-Dinitrotoluene	11	U	1.1	5.5	11	ug/L
84-66-2	Diethylphthalate	11	U	0.4	5.5	11	ug/L
7005-72-3	4-Chlorophenyl-phenylether	11	U	0.22	5.5	11	ug/L
86-73-7	Fluorene	11	U	0.33	5.5	11	ug/L
100-01-6	4-Nitroaniline	11	U	1.4	5.5	11	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	11	U	0.78	5.5	11	ug/L
86-30-6	N-Nitrosodiphenylamine	11	U	0.63	5.5	11	ug/L
101-55-3	4-Bromophenyl-phenylether	11	U	0.24	5.5	11	ug/L
118-74-1	Hexachlorobenzene	11	U	0.19	5.5	11	ug/L
1912-24-9	Atrazine	11	U	0.42	5.5	11	ug/L
87-86-5	Pentachlorophenol	11	U	1.8	5.5	11	ug/L
85-01-8	Phenanthrene	11	U	0.27	5.5	11	ug/L
120-12-7	Anthracene	11	U	0.17	5.5	11	ug/L
86-74-8	Carbazole	11	U	0.23	5.5	11	ug/L
84-74-2	Di-n-butylphthalate	11	U	2.1	5.5	11	ug/L
206-44-0	Fluoranthene	11	U	0.42	5.5	11	ug/L
129-00-0	Pyrene	11	U	0.21	5.5	11	ug/L
85-68-7	Butylbenzylphthalate	11	U	0.2	5.5	11	ug/L
91-94-1	3,3-Dichlorobenzidine	11	U	2.1	5.5	11	ug/L
56-55-3	Benzo(a)anthracene	11	U	0.17	5.5	11	ug/L
218-01-9	Chrysene	11	U	0.19	5.5	11	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	11	U	0.17	5.5	11	ug/L
117-84-0	Di-n-octyl phthalate	11	U	0.54	5.5	11	ug/L
205-99-2	Benzo(b)fluoranthene	11	U	0.31	5.5	11	ug/L
207-08-9	Benzo(k)fluoranthene	11	U	0.19	5.5	11	ug/L
50-32-8	Benzo(a)pyrene	11	U	0.15	5.5	11	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	11	U	0.16	5.5	11	ug/L
53-70-3	Dibenz(a,h)anthracene	11	U	0.44	5.5	11	ug/L

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-13	SDG No.:	D2950
Lab Sample ID:	D2950-04	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	950 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077731.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	11	U	0.31	5.5	11	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	11	U	0.21	5.5	11	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	11	U	0.21	5.5	11	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	43.3		10 - 130		29%	SPK: 150
13127-88-3	Phenol-d5	24.3		10 - 130		16%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.1		36 - 131		68%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.5		39 - 131		86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	130		25 - 155		87%	SPK: 150
1718-51-0	Terphenyl-d14	65.6		23 - 130		66%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	95182	8.68				
1146-65-2	Naphthalene-d8	350264	10.85				
15067-26-2	Acenaphthene-d10	214351	13.81				
1517-22-2	Phenanthrene-d10	426754	16.28				
1719-03-5	Chrysene-d12	479427	20.72				
1520-96-3	Perylene-d12	368491	24.44				
TENTATIVE IDENTIFIED COMPOUNDS							
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.1	AB			5.94	ug/L
103-23-1	Hexanedioic acid, bis(2-ethylhexyl	3.5	JB			19.74	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-13	SDG No.:	D2950
Lab Sample ID:	D2950-04	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	950 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077731.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-14	SDG No.:	D2950
Lab Sample ID:	D2950-08	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077734.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	10	U	0.8	5	10	ug/L
108-95-2	Phenol	10	U	0.22	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.57	5	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.56	5	10	ug/L
95-48-7	2-Methylphenol	10	U	0.25	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.18	5	10	ug/L
98-86-2	Acetophenone	10	U	0.15	5	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.4	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.21	5	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	5	10	ug/L
98-95-3	Nitrobenzene	10	U	0.71	5	10	ug/L
78-59-1	Isophorone	10	U	0.31	5	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.54	5	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.74	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.57	5	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.69	5	10	ug/L
91-20-3	Naphthalene	10	U	0.12	5	10	ug/L
106-47-8	4-Chloroaniline	10	U	3	5	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	5	10	ug/L
105-60-2	Caprolactam	10	U	2.1	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.42	5	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.25	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.58	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.42	5	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.16	5	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.17	5	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.51	5	10	ug/L
131-11-3	Dimethylphthalate	10	UQ	0.23	5	10	ug/L
208-96-8	Acenaphthylene	10	U	0.73	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	5	10	ug/L

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-14	SDG No.:	D2950
Lab Sample ID:	D2950-08	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077734.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10	U	1.1	5	10	ug/L
83-32-9	Acenaphthene	10	U	0.22	5	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.2	5	10	ug/L
100-02-7	4-Nitrophenol	10	U	2.1	5	10	ug/L
132-64-9	Dibenzofuran	10	U	0.25	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	5	10	ug/L
84-66-2	Diethylphthalate	10	U	0.4	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.22	5	10	ug/L
86-73-7	Fluorene	10	U	0.32	5	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.77	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.62	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.24	5	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.19	5	10	ug/L
1912-24-9	Atrazine	10	U	0.42	5	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	5	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	5	10	ug/L
120-12-7	Anthracene	10	U	0.17	5	10	ug/L
86-74-8	Carbazole	10	U	0.23	5	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2.1	5	10	ug/L
206-44-0	Fluoranthene	10	U	0.42	5	10	ug/L
129-00-0	Pyrene	10	U	0.21	5	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.2	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.17	5	10	ug/L
218-01-9	Chrysene	10	U	0.19	5	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.17	5	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.53	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.19	5	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.15	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.16	5	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.44	5	10	ug/L

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-14	SDG No.:	D2950
Lab Sample ID:	D2950-08	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077734.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	5	10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	0.21	5	10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	0.21	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	47.6		10 - 130		32%	SPK: 150
13127-88-3	Phenol-d5	27.2		10 - 130		18%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.6		36 - 131		64%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.8		39 - 131		77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	117		25 - 155		78%	SPK: 150
1718-51-0	Terphenyl-d14	62.6		23 - 130		63%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	103921	8.68				
1146-65-2	Naphthalene-d8	397355	10.85				
15067-26-2	Acenaphthene-d10	243721	13.8				
1517-22-2	Phenanthrene-d10	459216	16.28				
1719-03-5	Chrysene-d12	533671	20.72				
1520-96-3	Perylene-d12	430947	24.44				
TENTATIVE IDENTIFIED COMPOUNDS							
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.7	AB			5.94	ug/L
764-13-6	2,4-Hexadiene, 2,5-dimethyl-	2.9	J			11.99	ug/L
41406-00-2	m-Isopropoxyaniline	2.3	J			12.84	ug/L
103-23-1	Hexanedioic acid, bis(2-ethylhexyl	4.1	JB			19.74	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-14	SDG No.:	D2950
Lab Sample ID:	D2950-08	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077734.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-12	SDG No.:	D2950
Lab Sample ID:	D2950-09	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	950 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077735.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	11	U	0.81	5.5	11	ug/L
108-95-2	Phenol	11	U	0.22	5.5	11	ug/L
111-44-4	bis(2-Chloroethyl)ether	11	U	0.58	5.5	11	ug/L
95-57-8	2-Chlorophenol	11	U	0.57	5.5	11	ug/L
95-48-7	2-Methylphenol	11	U	0.25	5.5	11	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	11	U	0.18	5.5	11	ug/L
98-86-2	Acetophenone	11	U	0.15	5.5	11	ug/L
65794-96-9	3+4-Methylphenols	11	U	0.4	5.5	11	ug/L
621-64-7	N-Nitroso-di-n-propylamine	11	U	0.21	5.5	11	ug/L
67-72-1	Hexachloroethane	11	U	0.26	5.5	11	ug/L
98-95-3	Nitrobenzene	11	U	0.72	5.5	11	ug/L
78-59-1	Isophorone	11	U	0.32	5.5	11	ug/L
88-75-5	2-Nitrophenol	11	U	0.55	5.5	11	ug/L
105-67-9	2,4-Dimethylphenol	11	U	0.75	5.5	11	ug/L
111-91-1	bis(2-Chloroethoxy)methane	11	U	0.58	5.5	11	ug/L
120-83-2	2,4-Dichlorophenol	11	U	0.69	5.5	11	ug/L
91-20-3	Naphthalene	11	U	0.13	5.5	11	ug/L
106-47-8	4-Chloroaniline	11	U	3	5.5	11	ug/L
87-68-3	Hexachlorobutadiene	11	U	0.26	5.5	11	ug/L
105-60-2	Caprolactam	11	U	2.1	5.5	11	ug/L
59-50-7	4-Chloro-3-methylphenol	11	U	0.42	5.5	11	ug/L
91-57-6	2-Methylnaphthalene	11	U	0.34	5.5	11	ug/L
77-47-4	Hexachlorocyclopentadiene	11	U	0.25	5.5	11	ug/L
88-06-2	2,4,6-Trichlorophenol	11	U	0.59	5.5	11	ug/L
95-95-4	2,4,5-Trichlorophenol	11	U	0.42	5.5	11	ug/L
92-52-4	1,1-Biphenyl	11	U	0.16	5.5	11	ug/L
91-58-7	2-Chloronaphthalene	11	U	0.17	5.5	11	ug/L
88-74-4	2-Nitroaniline	11	U	0.52	5.5	11	ug/L
131-11-3	Dimethylphthalate	11	UQ	0.23	5.5	11	ug/L
208-96-8	Acenaphthylene	11	U	0.74	5.5	11	ug/L
606-20-2	2,6-Dinitrotoluene	11	U	0.34	5.5	11	ug/L

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-12	SDG No.:	D2950
Lab Sample ID:	D2950-09	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	950 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077735.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	11	U	1.1	5.5	11	ug/L
83-32-9	Acenaphthene	11	U	0.22	5.5	11	ug/L
51-28-5	2,4-Dinitrophenol	11	U	2.2	5.5	11	ug/L
100-02-7	4-Nitrophenol	11	U	2.1	5.5	11	ug/L
132-64-9	Dibenzofuran	11	U	0.25	5.5	11	ug/L
121-14-2	2,4-Dinitrotoluene	11	U	1.1	5.5	11	ug/L
84-66-2	Diethylphthalate	11	U	0.4	5.5	11	ug/L
7005-72-3	4-Chlorophenyl-phenylether	11	U	0.22	5.5	11	ug/L
86-73-7	Fluorene	11	U	0.33	5.5	11	ug/L
100-01-6	4-Nitroaniline	11	U	1.4	5.5	11	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	11	U	0.78	5.5	11	ug/L
86-30-6	N-Nitrosodiphenylamine	11	U	0.63	5.5	11	ug/L
101-55-3	4-Bromophenyl-phenylether	11	U	0.24	5.5	11	ug/L
118-74-1	Hexachlorobenzene	11	U	0.19	5.5	11	ug/L
1912-24-9	Atrazine	11	U	0.42	5.5	11	ug/L
87-86-5	Pentachlorophenol	11	U	1.8	5.5	11	ug/L
85-01-8	Phenanthrene	11	U	0.27	5.5	11	ug/L
120-12-7	Anthracene	11	U	0.17	5.5	11	ug/L
86-74-8	Carbazole	11	U	0.23	5.5	11	ug/L
84-74-2	Di-n-butylphthalate	11	U	2.1	5.5	11	ug/L
206-44-0	Fluoranthene	11	U	0.42	5.5	11	ug/L
129-00-0	Pyrene	11	U	0.21	5.5	11	ug/L
85-68-7	Butylbenzylphthalate	11	U	0.2	5.5	11	ug/L
91-94-1	3,3-Dichlorobenzidine	11	U	2.1	5.5	11	ug/L
56-55-3	Benzo(a)anthracene	11	U	0.17	5.5	11	ug/L
218-01-9	Chrysene	11	U	0.19	5.5	11	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	11	U	0.17	5.5	11	ug/L
117-84-0	Di-n-octyl phthalate	11	U	0.54	5.5	11	ug/L
205-99-2	Benzo(b)fluoranthene	11	U	0.31	5.5	11	ug/L
207-08-9	Benzo(k)fluoranthene	11	U	0.19	5.5	11	ug/L
50-32-8	Benzo(a)pyrene	11	U	0.15	5.5	11	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	11	U	0.16	5.5	11	ug/L
53-70-3	Dibenz(a,h)anthracene	11	U	0.44	5.5	11	ug/L

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-12	SDG No.:	D2950
Lab Sample ID:	D2950-09	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	950 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077735.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	11	U	0.31	5.5	11	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	11	U	0.21	5.5	11	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	11	U	0.21	5.5	11	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	45.9		10 - 130		31%	SPK: 150
13127-88-3	Phenol-d5	25.6		10 - 130		17%	SPK: 150
4165-60-0	Nitrobenzene-d5	69		36 - 131		69%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.2		39 - 131		82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121		25 - 155		81%	SPK: 150
1718-51-0	Terphenyl-d14	61		23 - 130		61%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	101765	8.68				
1146-65-2	Naphthalene-d8	383191	10.85				
15067-26-2	Acenaphthene-d10	231537	13.8				
1517-22-2	Phenanthrene-d10	464953	16.28				
1719-03-5	Chrysene-d12	527249	20.72				
1520-96-3	Perylene-d12	425871	24.45				
TENTATIVE IDENTIFIED COMPOUNDS							
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.2	AB			5.94	ug/L
103-23-1	Hexanedioic acid, bis(2-ethylhexyl	2.7	JB			19.74	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-12	SDG No.:	D2950
Lab Sample ID:	D2950-09	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	950 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077735.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	06/01/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-15	SDG No.:	D2950
Lab Sample ID:	D2950-10	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	950 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077736.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	11	U	0.81	5.5	11	ug/L
108-95-2	Phenol	11	U	0.22	5.5	11	ug/L
111-44-4	bis(2-Chloroethyl)ether	11	U	0.58	5.5	11	ug/L
95-57-8	2-Chlorophenol	11	U	0.57	5.5	11	ug/L
95-48-7	2-Methylphenol	11	U	0.25	5.5	11	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	11	U	0.18	5.5	11	ug/L
98-86-2	Acetophenone	11	U	0.15	5.5	11	ug/L
65794-96-9	3+4-Methylphenols	11	U	0.4	5.5	11	ug/L
621-64-7	N-Nitroso-di-n-propylamine	11	U	0.21	5.5	11	ug/L
67-72-1	Hexachloroethane	11	U	0.26	5.5	11	ug/L
98-95-3	Nitrobenzene	11	U	0.72	5.5	11	ug/L
78-59-1	Isophorone	11	U	0.32	5.5	11	ug/L
88-75-5	2-Nitrophenol	11	U	0.55	5.5	11	ug/L
105-67-9	2,4-Dimethylphenol	11	U	0.75	5.5	11	ug/L
111-91-1	bis(2-Chloroethoxy)methane	11	U	0.58	5.5	11	ug/L
120-83-2	2,4-Dichlorophenol	11	U	0.69	5.5	11	ug/L
91-20-3	Naphthalene	11	U	0.13	5.5	11	ug/L
106-47-8	4-Chloroaniline	11	U	3	5.5	11	ug/L
87-68-3	Hexachlorobutadiene	11	U	0.26	5.5	11	ug/L
105-60-2	Caprolactam	11	U	2.1	5.5	11	ug/L
59-50-7	4-Chloro-3-methylphenol	11	U	0.42	5.5	11	ug/L
91-57-6	2-Methylnaphthalene	11	U	0.34	5.5	11	ug/L
77-47-4	Hexachlorocyclopentadiene	11	U	0.25	5.5	11	ug/L
88-06-2	2,4,6-Trichlorophenol	11	U	0.59	5.5	11	ug/L
95-95-4	2,4,5-Trichlorophenol	11	U	0.42	5.5	11	ug/L
92-52-4	1,1-Biphenyl	11	U	0.16	5.5	11	ug/L
91-58-7	2-Chloronaphthalene	11	U	0.17	5.5	11	ug/L
88-74-4	2-Nitroaniline	11	U	0.52	5.5	11	ug/L
131-11-3	Dimethylphthalate	11	UQ	0.23	5.5	11	ug/L
208-96-8	Acenaphthylene	11	U	0.74	5.5	11	ug/L
606-20-2	2,6-Dinitrotoluene	11	U	0.34	5.5	11	ug/L

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	06/01/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-15	SDG No.:	D2950
Lab Sample ID:	D2950-10	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	950 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077736.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	11	U	1.1	5.5	11	ug/L
83-32-9	Acenaphthene	11	U	0.22	5.5	11	ug/L
51-28-5	2,4-Dinitrophenol	11	U	2.2	5.5	11	ug/L
100-02-7	4-Nitrophenol	11	U	2.1	5.5	11	ug/L
132-64-9	Dibenzofuran	11	U	0.25	5.5	11	ug/L
121-14-2	2,4-Dinitrotoluene	11	U	1.1	5.5	11	ug/L
84-66-2	Diethylphthalate	11	U	0.4	5.5	11	ug/L
7005-72-3	4-Chlorophenyl-phenylether	11	U	0.22	5.5	11	ug/L
86-73-7	Fluorene	11	U	0.33	5.5	11	ug/L
100-01-6	4-Nitroaniline	11	U	1.4	5.5	11	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	11	U	0.78	5.5	11	ug/L
86-30-6	N-Nitrosodiphenylamine	11	U	0.63	5.5	11	ug/L
101-55-3	4-Bromophenyl-phenylether	11	U	0.24	5.5	11	ug/L
118-74-1	Hexachlorobenzene	11	U	0.19	5.5	11	ug/L
1912-24-9	Atrazine	11	U	0.42	5.5	11	ug/L
87-86-5	Pentachlorophenol	11	U	1.8	5.5	11	ug/L
85-01-8	Phenanthrene	11	U	0.27	5.5	11	ug/L
120-12-7	Anthracene	11	U	0.17	5.5	11	ug/L
86-74-8	Carbazole	11	U	0.23	5.5	11	ug/L
84-74-2	Di-n-butylphthalate	11	U	2.1	5.5	11	ug/L
206-44-0	Fluoranthene	11	U	0.42	5.5	11	ug/L
129-00-0	Pyrene	11	U	0.21	5.5	11	ug/L
85-68-7	Butylbenzylphthalate	11	U	0.2	5.5	11	ug/L
91-94-1	3,3-Dichlorobenzidine	11	U	2.1	5.5	11	ug/L
56-55-3	Benzo(a)anthracene	11	U	0.17	5.5	11	ug/L
218-01-9	Chrysene	11	U	0.19	5.5	11	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	11	U	0.17	5.5	11	ug/L
117-84-0	Di-n-octyl phthalate	11	U	0.54	5.5	11	ug/L
205-99-2	Benzo(b)fluoranthene	11	U	0.31	5.5	11	ug/L
207-08-9	Benzo(k)fluoranthene	11	U	0.19	5.5	11	ug/L
50-32-8	Benzo(a)pyrene	11	U	0.15	5.5	11	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	11	U	0.16	5.5	11	ug/L
53-70-3	Dibenz(a,h)anthracene	11	U	0.44	5.5	11	ug/L

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	06/01/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-15	SDG No.:	D2950
Lab Sample ID:	D2950-10	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	950 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077736.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	11	U	0.31	5.5	11	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	11	U	0.21	5.5	11	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	11	U	0.21	5.5	11	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	41.2		10 - 130		27%	SPK: 150
13127-88-3	Phenol-d5	22.8		10 - 130		15%	SPK: 150
4165-60-0	Nitrobenzene-d5	66.8		36 - 131		67%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.9		39 - 131		82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	122		25 - 155		82%	SPK: 150
1718-51-0	Terphenyl-d14	60.7		23 - 130		61%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	98754	8.68				
1146-65-2	Naphthalene-d8	376357	10.85				
15067-26-2	Acenaphthene-d10	229014	13.81				
1517-22-2	Phenanthrene-d10	452515	16.27				
1719-03-5	Chrysene-d12	516726	20.72				
1520-96-3	Perylene-d12	410212	24.44				
TENTATIVE IDENTIFIED COMPOUNDS							
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.3	AB			5.94	ug/L
103-23-1	Hexanedioic acid, bis(2-ethylhexyl	3.0	JB			19.74	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	06/01/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-15	SDG No.:	D2950
Lab Sample ID:	D2950-10	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	950 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077736.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	06/01/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-16	SDG No.:	D2950
Lab Sample ID:	D2950-11	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077737.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	11	U	0.82	5.5	11	ug/L
108-95-2	Phenol	11	U	0.22	5.5	11	ug/L
111-44-4	bis(2-Chloroethyl)ether	11	U	0.59	5.5	11	ug/L
95-57-8	2-Chlorophenol	11	U	0.57	5.5	11	ug/L
95-48-7	2-Methylphenol	11	U	0.26	5.5	11	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	11	U	0.18	5.5	11	ug/L
98-86-2	Acetophenone	11	U	0.15	5.5	11	ug/L
65794-96-9	3+4-Methylphenols	11	U	0.4	5.5	11	ug/L
621-64-7	N-Nitroso-di-n-propylamine	11	U	0.21	5.5	11	ug/L
67-72-1	Hexachloroethane	11	U	0.27	5.5	11	ug/L
98-95-3	Nitrobenzene	11	U	0.72	5.5	11	ug/L
78-59-1	Isophorone	11	U	0.32	5.5	11	ug/L
88-75-5	2-Nitrophenol	11	U	0.55	5.5	11	ug/L
105-67-9	2,4-Dimethylphenol	11	U	0.76	5.5	11	ug/L
111-91-1	bis(2-Chloroethoxy)methane	11	U	0.59	5.5	11	ug/L
120-83-2	2,4-Dichlorophenol	11	U	0.7	5.5	11	ug/L
91-20-3	Naphthalene	11	U	0.13	5.5	11	ug/L
106-47-8	4-Chloroaniline	11	U	3	5.5	11	ug/L
87-68-3	Hexachlorobutadiene	11	U	0.27	5.5	11	ug/L
105-60-2	Caprolactam	11	U	2.1	5.5	11	ug/L
59-50-7	4-Chloro-3-methylphenol	11	U	0.43	5.5	11	ug/L
91-57-6	2-Methylnaphthalene	11	U	0.34	5.5	11	ug/L
77-47-4	Hexachlorocyclopentadiene	11	U	0.26	5.5	11	ug/L
88-06-2	2,4,6-Trichlorophenol	11	U	0.6	5.5	11	ug/L
95-95-4	2,4,5-Trichlorophenol	11	U	0.43	5.5	11	ug/L
92-52-4	1,1-Biphenyl	11	U	0.16	5.5	11	ug/L
91-58-7	2-Chloronaphthalene	11	U	0.17	5.5	11	ug/L
88-74-4	2-Nitroaniline	11	U	0.52	5.5	11	ug/L
131-11-3	Dimethylphthalate	11	UQ	0.23	5.5	11	ug/L
208-96-8	Acenaphthylene	11	U	0.74	5.5	11	ug/L
606-20-2	2,6-Dinitrotoluene	11	U	0.34	5.5	11	ug/L

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	06/01/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-16	SDG No.:	D2950
Lab Sample ID:	D2950-11	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077737.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	11	U	1.2	5.5	11	ug/L
83-32-9	Acenaphthene	11	U	0.22	5.5	11	ug/L
51-28-5	2,4-Dinitrophenol	11	U	2.2	5.5	11	ug/L
100-02-7	4-Nitrophenol	11	U	2.1	5.5	11	ug/L
132-64-9	Dibenzofuran	11	U	0.26	5.5	11	ug/L
121-14-2	2,4-Dinitrotoluene	11	U	1.1	5.5	11	ug/L
84-66-2	Diethylphthalate	11	U	0.4	5.5	11	ug/L
7005-72-3	4-Chlorophenyl-phenylether	11	U	0.22	5.5	11	ug/L
86-73-7	Fluorene	11	U	0.33	5.5	11	ug/L
100-01-6	4-Nitroaniline	11	U	1.4	5.5	11	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	11	U	0.79	5.5	11	ug/L
86-30-6	N-Nitrosodiphenylamine	11	U	0.64	5.5	11	ug/L
101-55-3	4-Bromophenyl-phenylether	11	U	0.24	5.5	11	ug/L
118-74-1	Hexachlorobenzene	11	U	0.19	5.5	11	ug/L
1912-24-9	Atrazine	11	U	0.43	5.5	11	ug/L
87-86-5	Pentachlorophenol	11	U	1.8	5.5	11	ug/L
85-01-8	Phenanthrene	11	U	0.28	5.5	11	ug/L
120-12-7	Anthracene	11	U	0.17	5.5	11	ug/L
86-74-8	Carbazole	11	U	0.23	5.5	11	ug/L
84-74-2	Di-n-butylphthalate	11	U	2.1	5.5	11	ug/L
206-44-0	Fluoranthene	11	U	0.43	5.5	11	ug/L
129-00-0	Pyrene	11	U	0.21	5.5	11	ug/L
85-68-7	Butylbenzylphthalate	11	U	0.2	5.5	11	ug/L
91-94-1	3,3-Dichlorobenzidine	11	U	2.1	5.5	11	ug/L
56-55-3	Benzo(a)anthracene	11	U	0.17	5.5	11	ug/L
218-01-9	Chrysene	11	U	0.19	5.5	11	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	11	U	0.17	5.5	11	ug/L
117-84-0	Di-n-octyl phthalate	11	U	0.54	5.5	11	ug/L
205-99-2	Benzo(b)fluoranthene	11	U	0.31	5.5	11	ug/L
207-08-9	Benzo(k)fluoranthene	11	U	0.19	5.5	11	ug/L
50-32-8	Benzo(a)pyrene	11	U	0.15	5.5	11	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	11	U	0.16	5.5	11	ug/L
53-70-3	Dibenz(a,h)anthracene	11	U	0.45	5.5	11	ug/L

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	06/01/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-16	SDG No.:	D2950
Lab Sample ID:	D2950-11	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077737.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	11	U	0.31	5.5	11	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	11	U	0.21	5.5	11	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	11	U	0.21	5.5	11	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	37.3		10 - 130		25%	SPK: 150
13127-88-3	Phenol-d5	20.6		10 - 130		14%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.7		36 - 131		64%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.4		39 - 131		75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	111		25 - 155		75%	SPK: 150
1718-51-0	Terphenyl-d14	53		23 - 130		53%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	101581	8.68				
1146-65-2	Naphthalene-d8	376135	10.85				
15067-26-2	Acenaphthene-d10	232525	13.81				
1517-22-2	Phenanthrene-d10	449072	16.27				
1719-03-5	Chrysene-d12	513031	20.72				
1520-96-3	Perylene-d12	415363	24.43				
TENTATIVE IDENTIFIED COMPOUNDS							
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.1	AB			5.94	ug/L
103-23-1	Hexanedioic acid, bis(2-ethylhexyl	2.7	JB			19.73	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	06/01/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	PZ-16	SDG No.:	D2950
Lab Sample ID:	D2950-11	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077737.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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Surrogate Summary

SW-846

SDG No.: D2950

Client: Arcadis Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
D2950-02	PZ-11	2-Fluorophenol	150	44.17	29		10	130
		Phenol-d5	150	25.04	17		10	130
		Nitrobenzene-d5	100	67.80	68		36	131
		2-Fluorobiphenyl	100	84.38	84		39	131
		2,4,6-Tribromophenol	150	123.21	82		25	155
		Terphenyl-d14	100	52.54	53		23	130
D2950-03	DUP-053112	2-Fluorophenol	150	44.31	30		10	130
		Phenol-d5	150	25.23	17		10	130
		Nitrobenzene-d5	100	65.77	66		36	131
		2-Fluorobiphenyl	100	80.55	81		39	131
		2,4,6-Tribromophenol	150	122.56	82		25	155
		Terphenyl-d14	100	57.37	57		23	130
D2950-04	PZ-13	2-Fluorophenol	150	43.33	29		10	130
		Phenol-d5	150	24.29	16		10	130
		Nitrobenzene-d5	100	68.10	68		36	131
		2-Fluorobiphenyl	100	86.46	86		39	131
		2,4,6-Tribromophenol	150	130.48	87		25	155
		Terphenyl-d14	100	65.64	66		23	130
D2950-05MS	PZ-13MS	2-Fluorophenol	150	51.91	35		10	130
		Phenol-d5	150	31.71	21		10	130
		Nitrobenzene-d5	100	75.96	76		36	131
		2-Fluorobiphenyl	100	83.26	83		39	131
		2,4,6-Tribromophenol	150	138.09	92		25	155
		Terphenyl-d14	100	64.69	65		23	130
D2950-06MSD	PZ-13MSD	2-Fluorophenol	150	44.44	30		10	130
		Phenol-d5	150	25.84	17		10	130
		Nitrobenzene-d5	100	73.44	73		36	131
		2-Fluorobiphenyl	100	81.28	81		39	131
		2,4,6-Tribromophenol	150	134.06	89		25	155
		Terphenyl-d14	100	60.71	61		23	130
D2950-08	PZ-14	2-Fluorophenol	150	47.63	32		10	130
		Phenol-d5	150	27.24	18		10	130
		Nitrobenzene-d5	100	63.59	64		36	131
		2-Fluorobiphenyl	100	76.85	77		39	131
		2,4,6-Tribromophenol	150	117.42	78		25	155
		Terphenyl-d14	100	62.55	63		23	130
D2950-09	PZ-12	2-Fluorophenol	150	45.87	31		10	130
		Phenol-d5	150	25.62	17		10	130
		Nitrobenzene-d5	100	68.99	69		36	131
		2-Fluorobiphenyl	100	82.21	82		39	131
		2,4,6-Tribromophenol	150	121.22	81		25	155
		Terphenyl-d14	100	61.05	61		23	130
D2950-10	PZ-15	2-Fluorophenol	150	41.19	27		10	130
		Phenol-d5	150	22.85	15		10	130
		Nitrobenzene-d5	100	66.83	67		36	131
		2-Fluorobiphenyl	100	81.94	82		39	131
		2,4,6-Tribromophenol	150	122.69	82		25	155
		Terphenyl-d14	100	60.69	61		23	130
D2950-11	PZ-16	2-Fluorophenol	150	37.29	25		10	130
		Phenol-d5	150	20.60	14		10	130
		Nitrobenzene-d5	100	63.66	64		36	131
		2-Fluorobiphenyl	100	75.42	75		39	131

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Surrogate Summary

SW-846

SDG No.: D2950

Client: Arcadis Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
D2950-11	PZ-16	2,4,6-Tribromophenol	150	111.76	75		25	155
		Terphenyl-d14	100	53.01	53		23	130
PB63588B	PB63588B	2-Fluorophenol	150	123.33	82		10	130
		Phenol-d5	150	121.38	81		10	130
		Nitrobenzene-d5	100	72.90	73		36	131
		2-Fluorobiphenyl	100	87.63	88		39	131
		2,4,6-Tribromophenol	150	132.52	88		25	155
		Terphenyl-d14	100	82.61	83		23	130
PB63588BS	PB63588BS	2-Fluorophenol	150	115.47	77		10	130
		Phenol-d5	150	117.37	78		10	130
		Nitrobenzene-d5	100	71.42	71		36	131
		2-Fluorobiphenyl	100	74.77	75		39	131
		2,4,6-Tribromophenol	150	125.36	84		25	155
		Terphenyl-d14	100	67.88	68		23	130

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: D2950

Client: Arcadis Inc.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: D2950-05MS	**Client Sample ID: PZ-13MS**										
Benzaldehyde	50	0	26		52				10	137	
Phenol	50	0	8.5		17				10	130	
bis(2-Chloroethyl)ether	50	0	35		70				29	141	
2-Chlorophenol	50	0	26		52				23	127	
2-Methylphenol	50	0	23		46				14	118	
2,2-oxybis(1-Chloropropane)	50	0	32		64				36	141	
Acetophenone	50	0	38		76				31	164	
3+4-Methylphenols	50	0	19		38				12	109	
N-Nitroso-di-n-propylamine	50	0	33		66				36	147	
Hexachloroethane	50	0	33		66				19	149	
Nitrobenzene	50	0	35		70				30	150	
Isophorone	50	0	36		72				39	146	
2-Nitrophenol	50	0	31		62				30	148	
2,4-Dimethylphenol	50	0	29		58				17	143	
bis(2-Chloroethoxy)methane	50	0	36		72				39	143	
2,4-Dichlorophenol	50	0	31		62				22	146	
Naphthalene	50	0	36		72				17	157	
4-Chloroaniline	50	0	16		32				10	95	
Hexachlorobutadiene	50	0	35		70				20	150	
Caprolactam	50	0	4.8		10				10	130	
4-Chloro-3-methylphenol	50	0	28		56				17	148	
2-Methylnaphthalene	50	0	39		78				38	146	
Hexachlorocyclopentadiene	100	0	84		84				20	153	
2,4,6-Trichlorophenol	50	0	32		64				24	155	
2,4,5-Trichlorophenol	50	0	35		70				26	154	
1,1-Biphenyl	50	0	37		74				38	154	
2-Chloronaphthalene	50	0	35		70				41	145	
2-Nitroaniline	50	0	31		62				39	151	
Dimethylphthalate	50	0	31		62				42	147	
Acenaphthylene	50	0	37		74				40	141	
2,6-Dinitrotoluene	50	0	37		74				43	148	
3-Nitroaniline	50	0	18		36				10	111	
Acenaphthene	50	0	40		80				37	146	
2,4-Dinitrophenol	100	0	60		60				14	167	
4-Nitrophenol	100	0	25		25				10	130	
Dibenzofuran	50	0	35		70				41	145	
2,4-Dinitrotoluene	50	0	37		74				41	152	
Diethylphthalate	50	0	31		62				41	148	
4-Chlorophenyl-phenylether	50	0	36		72				38	149	
Fluorene	50	0	38		76				39	144	
4-Nitroaniline	50	0	32		64				27	138	
4,6-Dinitro-2-methylphenol	50	0	31		62				32	175	
N-Nitrosodiphenylamine	50	0	35		70				40	150	
4-Bromophenyl-phenylether	50	0	36		72				42	151	
Hexachlorobenzene	50	0	37		74				33	154	
Atrazine	50	0	37		74				20	162	
Pentachlorophenol	100	0	73		73				28	171	
Phenanthrene	50	0	37		74				40	147	

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: D2950

Client: Arcadis Inc.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Anthracene	50	0	39		78				41	146	
Carbazole	50	0	35		70				37	154	
Di-n-butylphthalate	50	0	32		64				40	151	
Fluoranthene	50	0	39		78				42	146	
Pyrene	50	0	38		76				41	149	
Butylbenzylphthalate	50	0	33		66				39	155	
3,3-Dichlorobenzidine	50	0	27		54				10	114	
Benzo(a)anthracene	50	0	38		76				41	147	
Chrysene	50	0	37		74				44	144	
bis(2-Ethylhexyl)phthalate	50	0	31		62				33	160	
Di-n-octyl phthalate	50	0	32		64				36	158	
Benzo(b)fluoranthene	50	0	38		76				40	150	
Benzo(k)fluoranthene	50	0	38		76				40	147	
Benzo(a)pyrene	50	0	40		80				42	147	
Indeno(1,2,3-cd)pyrene	50	0	39		78				30	166	
Dibenz(a,h)anthracene	50	0	37		74				23	172	
Benzo(g,h,i)perylene	50	0	38		76				27	167	
1,2,4,5-Tetrachlorobenzene	50	0	37		74	*			89	102	
2,3,4,6-Tetrachlorophenol	50	0	34		68	*			91	111	

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: D2950

Client: Arcadis Inc.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: D2950-06MSD	**Client Sample ID: PZ-13MSD**										
Benzaldehyde	50	0	27		54		4		10	137	20
Phenol	50	0	7.8		16		6		10	130	20
bis(2-Chloroethyl)ether	50	0	35		70		0		29	141	20
2-Chlorophenol	50	0	25		50		4		23	127	20
2-Methylphenol	50	0	22		44		4		14	118	20
2,2-oxybis(1-Chloropropane)	50	0	31		62		3		36	141	20
Acetophenone	50	0	39		78		3		31	164	20
3+4-Methylphenols	50	0	19		38		0		12	109	20
N-Nitroso-di-n-propylamine	50	0	34		68		3		36	147	20
Hexachloroethane	50	0	31		62		6		19	149	20
Nitrobenzene	50	0	35		70		0		30	150	20
Isophorone	50	0	37		74		3		39	146	20
2-Nitrophenol	50	0	33		66		6		30	148	20
2,4-Dimethylphenol	50	0	29		58		0		17	143	20
bis(2-Chloroethoxy)methane	50	0	37		74		3		39	143	20
2,4-Dichlorophenol	50	0	33		66		6		22	146	20
Naphthalene	50	0	37		74		3		17	157	20
4-Chloroaniline	50	0	16		32		0		10	95	20
Hexachlorobutadiene	50	0	34		68		3		20	150	20
Caprolactam	50	0	4.4		9	*	11		10	130	20
4-Chloro-3-methylphenol	50	0	28		56		0		17	148	20
2-Methylnaphthalene	50	0	39		78		0		38	146	20
Hexachlorocyclopentadiene	100	0	87		87		4		20	153	20
2,4,6-Trichlorophenol	50	0	36		72		12		24	155	20
2,4,5-Trichlorophenol	50	0	36		72		3		26	154	20
1,1-Biphenyl	50	0	39		78		5		38	154	20
2-Chloronaphthalene	50	0	36		72		3		41	145	20
2-Nitroaniline	50	0	34		68		9		39	151	20
Dimethylphthalate	50	0	32		64		3		42	147	20
Acenaphthylene	50	0	39		78		5		40	141	20
2,6-Dinitrotoluene	50	0	39		78		5		43	148	20
3-Nitroaniline	50	0	18		36		0		10	111	20
Acenaphthene	50	0	41		82		2		37	146	20
2,4-Dinitrophenol	100	0	66		66		10		14	167	20
4-Nitrophenol	100	0	24		24		4		10	130	20
Dibenzofuran	50	0	37		74		6		41	145	20
2,4-Dinitrotoluene	50	0	40		80		8		41	152	20
Diethylphthalate	50	0	32		64		3		41	148	20
4-Chlorophenyl-phenylether	50	0	38		76		5		38	149	20
Fluorene	50	0	40		80		5		39	144	20
4-Nitroaniline	50	0	34		68		6		27	138	20
4,6-Dinitro-2-methylphenol	50	0	34		68		9		32	175	20
N-Nitrosodiphenylamine	50	0	37		74		6		40	150	20
4-Bromophenyl-phenylether	50	0	38		76		5		42	151	20
Hexachlorobenzene	50	0	38		76		3		33	154	20
Atrazine	50	0	40		80		8		20	162	20
Pentachlorophenol	100	0	78		78		7		28	171	20
Phenanthrene	50	0	39		78		5		40	147	20

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: D2950

Client: Arcadis Inc.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Anthracene	50	0	40		80		3		41	146	20
Carbazole	50	0	36		72		3		37	154	20
Di-n-butylphthalate	50	0	33		66		3		40	151	20
Fluoranthene	50	0	41		82		5		42	146	20
Pyrene	50	0	40		80		5		41	149	20
Butylbenzylphthalate	50	0	34		68		3		39	155	20
3,3-Dichlorobenzidine	50	0	28		56		4		10	114	20
Benzo(a)anthracene	50	0	39		78		3		41	147	20
Chrysene	50	0	38		76		3		44	144	20
bis(2-Ethylhexyl)phthalate	50	0	33		66		6		33	160	20
Di-n-octyl phthalate	50	0	34		68		6		36	158	20
Benzo(b)fluoranthene	50	0	39		78		3		40	150	20
Benzo(k)fluoranthene	50	0	39		78		3		40	147	20
Benzo(a)pyrene	50	0	42		84		5		42	147	20
Indeno(1,2,3-cd)pyrene	50	0	40		80		3		30	166	20
Dibenz(a,h)anthracene	50	0	39		78		5		23	172	20
Benzo(g,h,i)perylene	50	0	39		78		3		27	167	20
1,2,4,5-Tetrachlorobenzene	50	0	39		78	*	5		89	102	20
2,3,4,6-Tetrachlorophenol	50	0	37		74	*	8		91	111	20

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: D2950

Client: Arcadis Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB63588BS	Benzaldehyde	50	12	ug/L	24				10	109	
	Phenol	50	36	ug/L	72				10	130	
	bis(2-Chloroethyl)ether	50	38	ug/L	76				46	116	
	2-Chlorophenol	50	35	ug/L	70				40	105	
	2-Methylphenol	50	39	ug/L	78				32	94	
	2,2-oxybis(1-Chloropropan	50	34	ug/L	68				60	113	
	Acetophenone	50	42	ug/L	84				64	120	
	3+4-Methylphenols	50	39	ug/L	78				24	91	
	N-Nitroso-di-n-propylamine	50	36	ug/L	72				61	115	
	Hexachloroethane	50	36	ug/L	72				52	104	
	Nitrobenzene	50	37	ug/L	74				49	120	
	Isophorone	50	39	ug/L	78				65	114	
	2-Nitrophenol	50	36	ug/L	72				57	116	
	2,4-Dimethylphenol	50	38	ug/L	76				43	108	
	bis(2-Chloroethoxy)methar	50	40	ug/L	80				65	111	
	2,4-Dichlorophenol	50	38	ug/L	76				49	113	
	Naphthalene	50	39	ug/L	78				61	107	
	4-Chloroaniline	50	17	ug/L	34				10	93	
	Hexachlorobutadiene	50	38	ug/L	76				35	120	
	Caprolactam	50	48	ug/L	96				10	130	
	4-Chloro-3-methylphenol	50	37	ug/L	74				51	109	
	2-Methylnaphthalene	50	41	ug/L	82				63	110	
	Hexachlorocyclopentadien	100	96	ug/L	96				42	121	
	2,4,6-Trichlorophenol	50	37	ug/L	74				62	114	
	2,4,5-Trichlorophenol	50	39	ug/L	78				58	116	
	1,1-Biphenyl	50	39	ug/L	78				65	117	
	2-Chloronaphthalene	50	37	ug/L	74				65	111	
	2-Nitroaniline	50	35	ug/L	70				63	119	
	Dimethylphthalate	50	33	ug/L	66		*		68	112	
	Acenaphthylene	50	40	ug/L	80				65	110	
	2,6-Dinitrotoluene	50	41	ug/L	82				68	115	
	3-Nitroaniline	50	23	ug/L	46				16	104	
	Acenaphthene	50	42	ug/L	84				66	114	
	2,4-Dinitrophenol	100	65	ug/L	65				35	129	
	4-Nitrophenol	100	72	ug/L	72				10	130	
	Dibenzofuran	50	37	ug/L	74				66	111	
	2,4-Dinitrotoluene	50	40	ug/L	80				65	119	
	Diethylphthalate	50	33	ug/L	66				66	116	
	4-Chlorophenyl-phenylethe	50	38	ug/L	76				66	113	
	Fluorene	50	40	ug/L	80				66	112	
	4-Nitroaniline	50	37	ug/L	74				53	115	
	4,6-Dinitro-2-methylphenol	50	34	ug/L	68				47	137	
	N-Nitrosodiphenylamine	50	38	ug/L	76				65	116	
	4-Bromophenyl-phenylethe	50	39	ug/L	78				66	119	
	Hexachlorobenzene	50	38	ug/L	76				57	121	
	Atrazine	50	43	ug/L	86				53	130	

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: D2950

Client: Arcadis Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB63588BS	Pentachlorophenol	100	79	ug/L	79				51	128	
	Phenanthrene	50	39	ug/L	78				68	112	
	Anthracene	50	41	ug/L	82				69	112	
	Carbazole	50	37	ug/L	74				65	115	
	Di-n-butylphthalate	50	34	ug/L	68				67	117	
	Fluoranthene	50	41	ug/L	82				67	115	
	Pyrene	50	40	ug/L	80				67	116	
	Butylbenzylphthalate	50	34	ug/L	68				66	121	
	3,3-Dichlorobenzidine	50	25	ug/L	50				13	119	
	Benzo(a)anthracene	50	39	ug/L	78				64	117	
	Chrysene	50	38	ug/L	76				65	116	
	bis(2-Ethylhexyl)phthalate	50	32	ug/L	64				61	123	
	Di-n-octyl phthalate	50	35	ug/L	70				63	123	
	Benzo(b)fluoranthene	50	40	ug/L	80				62	122	
	Benzo(k)fluoranthene	50	41	ug/L	82				60	123	
	Benzo(a)pyrene	50	42	ug/L	84				65	118	
	Indeno(1,2,3-cd)pyrene	50	40	ug/L	80				50	133	
	Dibenz(a,h)anthracene	50	39	ug/L	78				45	150	
	Benzo(g,h,i)perylene	50	40	ug/L	80				64	123	
	1,2,4,5-Tetrachlorobenzen	50	40	ug/L	80				60	105	
	2,3,4,6-Tetrachlorophenol	50	37	ug/L	74				66	110	

CHEMTECH

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB63588B

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: D2950 SAS No.: D2950 SDG NO.: D2950

Lab File ID: BE077727.D Lab Sample ID: PB63588B

Instrument ID: BNA_E Date Extracted: 06/05/2012

Matrix: (soil/water) WATER Date Analyzed: 06/06/2012

Level: (low/med) LOW Time Analyzed: 12:52

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PZ-16	D2950-11	BE077737.D	06/06/2012
PZ-15	D2950-10	BE077736.D	06/06/2012
PZ-12	D2950-09	BE077735.D	06/06/2012
PZ-14	D2950-08	BE077734.D	06/06/2012
PZ-13MSD	D2950-06MSD	BE077733.D	06/06/2012
PZ-13MS	D2950-05MS	BE077732.D	06/06/2012
PZ-13	D2950-04	BE077731.D	06/06/2012
DUP-053112	D2950-03	BE077730.D	06/06/2012
PZ-11	D2950-02	BE077729.D	06/06/2012
PB63588BS	PB63588BS	BE077726.D	06/06/2012

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	PB63588B	SDG No.:	D2950
Lab Sample ID:	PB63588B	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077727.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	10	U	0.77	5	10	ug/L
108-95-2	Phenol	10	U	0.21	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.55	5	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.54	5	10	ug/L
95-48-7	2-Methylphenol	10	U	0.24	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.17	5	10	ug/L
98-86-2	Acetophenone	10	U	0.14	5	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.38	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.2	5	10	ug/L
67-72-1	Hexachloroethane	10	U	0.25	5	10	ug/L
98-95-3	Nitrobenzene	10	U	0.68	5	10	ug/L
78-59-1	Isophorone	10	U	0.3	5	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.52	5	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.71	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.55	5	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.66	5	10	ug/L
91-20-3	Naphthalene	10	U	0.12	5	10	ug/L
106-47-8	4-Chloroaniline	10	U	2.9	5	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.25	5	10	ug/L
105-60-2	Caprolactam	10	U	2	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.4	5	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.32	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.24	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.56	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.4	5	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.15	5	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.16	5	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.49	5	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.22	5	10	ug/L
208-96-8	Acenaphthylene	10	U	0.7	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.32	5	10	ug/L

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	PB63588B	SDG No.:	D2950
Lab Sample ID:	PB63588B	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077727.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10	U	1.1	5	10	ug/L
83-32-9	Acenaphthene	10	U	0.21	5	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.1	5	10	ug/L
100-02-7	4-Nitrophenol	10	U	2	5	10	ug/L
132-64-9	Dibenzofuran	10	U	0.24	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1	5	10	ug/L
84-66-2	Diethylphthalate	10	U	0.38	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.21	5	10	ug/L
86-73-7	Fluorene	10	U	0.31	5	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.74	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.6	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.23	5	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.18	5	10	ug/L
1912-24-9	Atrazine	10	U	0.4	5	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.7	5	10	ug/L
85-01-8	Phenanthrene	10	U	0.26	5	10	ug/L
120-12-7	Anthracene	10	U	0.16	5	10	ug/L
86-74-8	Carbazole	10	U	0.22	5	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2	5	10	ug/L
206-44-0	Fluoranthene	10	U	0.4	5	10	ug/L
129-00-0	Pyrene	10	U	0.2	5	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.19	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2	5	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	5	10	ug/L
218-01-9	Chrysene	10	U	0.18	5	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.16	5	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.51	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.29	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.18	5	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.15	5	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.42	5	10	ug/L

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	02-66-384 Former Majestic cleaners	Date Received:	
Client Sample ID:	PB63588B	SDG No.:	D2950
Lab Sample ID:	PB63588B	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE077727.D	1	06/05/12	06/06/12	PB63588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.29	5	10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	0.2	5	10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	0.2	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	123		10 - 130		82%	SPK: 150
13127-88-3	Phenol-d5	121		10 - 130		81%	SPK: 150
4165-60-0	Nitrobenzene-d5	72.9		36 - 131		73%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.6		39 - 131		88%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		25 - 155		88%	SPK: 150
1718-51-0	Terphenyl-d14	82.6		23 - 130		83%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	106544	8.68				
1146-65-2	Naphthalene-d8	379016	10.85				
15067-26-2	Acenaphthene-d10	226803	13.81				
1517-22-2	Phenanthrene-d10	448537	16.28				
1719-03-5	Chrysene-d12	507813	20.72				
1520-96-3	Perylene-d12	392128	24.44				
TENTATIVE IDENTIFIED COMPOUNDS							
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	12	A			5.94	ug/L
103-23-1	Hexanedioic acid, bis(2-ethylhexyl	2.2	J			19.74	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: D2950 SAS No.: D2950 SDG NO.: D2950

EPA Sample No.: SSTD040 Date Analyzed: 06/06/2012

Lab File ID: BE077725.D Time Analyzed: 11:19

Instrument ID: BNA_E GC Column: RXI-5 ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	120719	8.68	448101	10.84	286376	13.81
	UPPER LIMIT	241438	9.18	896202	11.34	572752	14.31
	LOWER LIMIT	60359.5	8.18	224050.5	10.34	143188	13.31
	EPA SAMPLE NO.						
01	PB63588BS	106335	8.68	391749	10.84	255148	13.80
02	PB63588B	106544	8.68	379016	10.85	226803	13.81
03	PZ-11	97601	8.68	361240	10.85	218969	13.80
04	DUP-053112	89872	8.68	340717	10.85	214403	13.80
05	PZ-13	95182	8.68	350264	10.85	214351	13.81
06	PZ-13MS	98158	8.68	372953	10.84	240694	13.81
07	PZ-13MSD	104851	8.68	389652	10.84	247685	13.80
08	PZ-14	103921	8.68	397355	10.85	243721	13.80
09	PZ-12	101765	8.68	383191	10.85	231537	13.80
10	PZ-15	98754	8.68	376357	10.85	229014	13.81
11	PZ-16	101581	8.68	376135	10.85	232525	13.81

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: D2950 SAS No.: D2950 SDG NO.: D2950

EPA Sample No.: SSTD040 Date Analyzed: 06/06/2012

Lab File ID: BE077725.D Time Analyzed: 11:19

Instrument ID: BNA_E GC Column: RXI-5 ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	552643	16.27	648284	20.73	538031	24.44
	UPPER LIMIT	1105286	16.77	1296568	21.23	1076062	24.94
	LOWER LIMIT	276321.5	15.77	324142	20.23	269015.5	23.94
	EPA SAMPLE NO.						
01	PB63588BS	476943	16.27	575459	20.73	466387	24.45
02	PB63588B	448537	16.28	507813	20.72	392128	24.44
03	PZ-11	433954	16.28	501321	20.72	384417	24.44
04	DUP-053112	415068	16.28	471309	20.72	369386	24.44
05	PZ-13	426754	16.28	479427	20.72	368491	24.44
06	PZ-13MS	461206	16.27	556853	20.72	453829	24.43
07	PZ-13MSD	469685	16.27	559207	20.72	461684	24.44
08	PZ-14	459216	16.28	533671	20.72	430947	24.44
09	PZ-12	464953	16.28	527249	20.72	425871	24.45
10	PZ-15	452515	16.27	516726	20.72	410212	24.44
11	PZ-16	449072	16.27	513031	20.72	415363	24.43

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: D2950 **Order ID:** D2950

Client: Arcadis Inc. **Project ID:** 02-66-384 Former Majestic cleaners

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : IDW-053112									
D2950-07	IDW-053112	SOIL	Aluminum	1,960.000		0.81	2.405	4.810	mg/Kg
D2950-07	IDW-053112	SOIL	Arsenic	0.440	J	0.32	0.48	0.96	mg/Kg
D2950-07	IDW-053112	SOIL	Barium	11.300		0.38	2.405	4.810	mg/Kg
D2950-07	IDW-053112	SOIL	Beryllium	0.100	J	0.06	0.145	0.29	mg/Kg
D2950-07	IDW-053112	SOIL	Calcium	931.000		1.030	48.05	96.1	mg/Kg
D2950-07	IDW-053112	SOIL	Chromium	6.220		0.12	0.24	0.48	mg/Kg
D2950-07	IDW-053112	SOIL	Cobalt	2.650		0.55	0.72	1.440	mg/Kg
D2950-07	IDW-053112	SOIL	Copper	5.630		0.31	0.48	0.96	mg/Kg
D2950-07	IDW-053112	SOIL	Iron	6,440.000		1.280	2.405	4.810	mg/Kg
D2950-07	IDW-053112	SOIL	Lead	2.270		0.12	0.29	0.58	mg/Kg
D2950-07	IDW-053112	SOIL	Magnesium	1,290.000		4.400	48.05	96.1	mg/Kg
D2950-07	IDW-053112	SOIL	Manganese	75.900		0.18	0.48	0.96	mg/Kg
D2950-07	IDW-053112	SOIL	Nickel	6.930		0.44	0.96	1.920	mg/Kg
D2950-07	IDW-053112	SOIL	Potassium	337.000		3.360	48.05	96.1	mg/Kg
D2950-07	IDW-053112	SOIL	Sodium	97.600		2.420	48.05	96.1	mg/Kg
D2950-07	IDW-053112	SOIL	Vanadium	9.310		0.57	0.96	1.920	mg/Kg
D2950-07	IDW-053112	SOIL	Zinc	27.100		0.67	0.96	1.920	mg/Kg
Client ID : IDW-060412									
D2950-12	IDW-060412	SOIL	Aluminum	5,280.000		0.76	2.275	4.550	mg/Kg
D2950-12	IDW-060412	SOIL	Antimony	0.960	J	0.51	1.14	2.280	mg/Kg
D2950-12	IDW-060412	SOIL	Arsenic	2.220		0.30	0.455	0.91	mg/Kg
D2950-12	IDW-060412	SOIL	Barium	33.100		0.36	2.275	4.550	mg/Kg
D2950-12	IDW-060412	SOIL	Beryllium	0.220	J	0.05	0.135	0.27	mg/Kg
D2950-12	IDW-060412	SOIL	Calcium	9,560.000		0.97	45.5	91.0	mg/Kg
D2950-12	IDW-060412	SOIL	Chromium	14.300		0.12	0.23	0.46	mg/Kg
D2950-12	IDW-060412	SOIL	Cobalt	3.520		0.52	0.685	1.370	mg/Kg
D2950-12	IDW-060412	SOIL	Copper	72.500		0.29	0.455	0.91	mg/Kg
D2950-12	IDW-060412	SOIL	Iron	7,630.000		1.210	2.275	4.550	mg/Kg
D2950-12	IDW-060412	SOIL	Lead	44.600		0.11	0.275	0.55	mg/Kg
D2950-12	IDW-060412	SOIL	Magnesium	2,330.000		4.170	45.5	91.0	mg/Kg
D2950-12	IDW-060412	SOIL	Manganese	129.000		0.17	0.455	0.91	mg/Kg
D2950-12	IDW-060412	SOIL	Mercury	0.125		0.002	0.0055	0.011	mg/Kg
D2950-12	IDW-060412	SOIL	Nickel	15.800		0.42	0.91	1.820	mg/Kg
D2950-12	IDW-060412	SOIL	Potassium	499.000		3.190	45.5	91.0	mg/Kg
D2950-12	IDW-060412	SOIL	Sodium	168.000		2.290	45.5	91.0	mg/Kg
D2950-12	IDW-060412	SOIL	Vanadium	15.900		0.54	0.91	1.820	mg/Kg
D2950-12	IDW-060412	SOIL	Zinc	117.000		0.64	0.91	1.820	mg/Kg

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	05/31/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/02/12
Client Sample ID:	IDW-053112	SDG No.:	D2950
Lab Sample ID:	D2950-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	78.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	1960		1	0.81	2.405	4.81	mg/Kg	06/06/12	06/07/12	SW6010B
7440-36-0	Antimony	2.4	UN	1	0.54	1.2	2.4	mg/Kg	06/06/12	06/07/12	SW6010B
7440-38-2	Arsenic	0.44	J	1	0.32	0.48	0.96	mg/Kg	06/06/12	06/07/12	SW6010B
7440-39-3	Barium	11.3	N*	1	0.38	2.405	4.81	mg/Kg	06/06/12	06/07/12	SW6010B
7440-41-7	Beryllium	0.1	J	1	0.06	0.145	0.29	mg/Kg	06/06/12	06/07/12	SW6010B
7440-43-9	Cadmium	0.29	U	1	0.06	0.145	0.29	mg/Kg	06/06/12	06/07/12	SW6010B
7440-70-2	Calcium	931	*	1	1.03	48.05	96.1	mg/Kg	06/06/12	06/07/12	SW6010B
7440-47-3	Chromium	6.22		1	0.12	0.24	0.48	mg/Kg	06/06/12	06/07/12	SW6010B
7440-48-4	Cobalt	2.65		1	0.55	0.72	1.44	mg/Kg	06/06/12	06/07/12	SW6010B
7440-50-8	Copper	5.63	N*	1	0.31	0.48	0.96	mg/Kg	06/06/12	06/07/12	SW6010B
7439-89-6	Iron	6440		1	1.28	2.405	4.81	mg/Kg	06/06/12	06/07/12	SW6010B
7439-92-1	Lead	2.27	N*	1	0.12	0.29	0.58	mg/Kg	06/06/12	06/07/12	SW6010B
7439-95-4	Magnesium	1290	*	1	4.4	48.05	96.1	mg/Kg	06/06/12	06/07/12	SW6010B
7439-96-5	Manganese	75.9	*	1	0.18	0.48	0.96	mg/Kg	06/06/12	06/07/12	SW6010B
7439-97-6	Mercury	0.012	U*	1	0.002	0.006	0.012	mg/Kg	06/04/12	06/05/12	SW7471A
7440-02-0	Nickel	6.93	*	1	0.44	0.96	1.92	mg/Kg	06/06/12	06/07/12	SW6010B
7440-09-7	Potassium	337		1	3.36	48.05	96.1	mg/Kg	06/06/12	06/07/12	SW6010B
7782-49-2	Selenium	0.96	U	1	0.39	0.48	0.96	mg/Kg	06/06/12	06/07/12	SW6010B
7440-22-4	Silver	0.48	U	1	0.14	0.24	0.48	mg/Kg	06/06/12	06/07/12	SW6010B
7440-23-5	Sodium	97.6		1	2.42	48.05	96.1	mg/Kg	06/06/12	06/07/12	SW6010B
7440-28-0	Thallium	1.92	U	1	0.26	0.96	1.92	mg/Kg	06/06/12	06/07/12	SW6010B
7440-62-2	Vanadium	9.31	*	1	0.57	0.96	1.92	mg/Kg	06/06/12	06/07/12	SW6010B
7440-66-6	Zinc	27.1	*	1	0.67	0.96	1.92	mg/Kg	06/06/12	06/07/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Arcadis Inc.	Date Collected:	06/04/12
Project:	02-66-384 Former Majestic cleaners	Date Received:	06/05/12
Client Sample ID:	IDW-060412	SDG No.:	D2950
Lab Sample ID:	D2950-12	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	5280		1	0.76	2.275	4.55	mg/Kg	06/06/12	06/07/12	SW6010B
7440-36-0	Antimony	0.96	JN	1	0.51	1.14	2.28	mg/Kg	06/06/12	06/07/12	SW6010B
7440-38-2	Arsenic	2.22		1	0.3	0.455	0.91	mg/Kg	06/06/12	06/07/12	SW6010B
7440-39-3	Barium	33.1	N*	1	0.36	2.275	4.55	mg/Kg	06/06/12	06/07/12	SW6010B
7440-41-7	Beryllium	0.22	J	1	0.05	0.135	0.27	mg/Kg	06/06/12	06/07/12	SW6010B
7440-43-9	Cadmium	0.27	U	1	0.05	0.135	0.27	mg/Kg	06/06/12	06/07/12	SW6010B
7440-70-2	Calcium	9560	*	1	0.97	45.5	91	mg/Kg	06/06/12	06/07/12	SW6010B
7440-47-3	Chromium	14.3		1	0.12	0.23	0.46	mg/Kg	06/06/12	06/07/12	SW6010B
7440-48-4	Cobalt	3.52		1	0.52	0.685	1.37	mg/Kg	06/06/12	06/07/12	SW6010B
7440-50-8	Copper	72.5	N*	1	0.29	0.455	0.91	mg/Kg	06/06/12	06/07/12	SW6010B
7439-89-6	Iron	7630		1	1.21	2.275	4.55	mg/Kg	06/06/12	06/07/12	SW6010B
7439-92-1	Lead	44.6	N*	1	0.11	0.275	0.55	mg/Kg	06/06/12	06/07/12	SW6010B
7439-95-4	Magnesium	2330	*	1	4.17	45.5	91	mg/Kg	06/06/12	06/07/12	SW6010B
7439-96-5	Manganese	129	*	1	0.17	0.455	0.91	mg/Kg	06/06/12	06/07/12	SW6010B
7439-97-6	Mercury	0.125		1	0.002	0.0055	0.011	mg/Kg	06/06/12	06/08/12	SW7471A
7440-02-0	Nickel	15.8	*	1	0.42	0.91	1.82	mg/Kg	06/06/12	06/07/12	SW6010B
7440-09-7	Potassium	499		1	3.19	45.5	91	mg/Kg	06/06/12	06/07/12	SW6010B
7782-49-2	Selenium	0.91	U	1	0.37	0.455	0.91	mg/Kg	06/06/12	06/07/12	SW6010B
7440-22-4	Silver	0.46	U	1	0.14	0.23	0.46	mg/Kg	06/06/12	06/07/12	SW6010B
7440-23-5	Sodium	168		1	2.29	45.5	91	mg/Kg	06/06/12	06/07/12	SW6010B
7440-28-0	Thallium	1.82	U	1	0.25	0.91	1.82	mg/Kg	06/06/12	06/07/12	SW6010B
7440-62-2	Vanadium	15.9	*	1	0.54	0.91	1.82	mg/Kg	06/06/12	06/07/12	SW6010B
7440-66-6	Zinc	117	*	1	0.64	0.91	1.82	mg/Kg	06/06/12	06/07/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Arcadis Inc. **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Initial Calibration Source: EPA

Continuing Calibration Source: INORGANIC-VENTURES

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2456.60	2521.0	97.4	90 - 110	P	06/07/2012	12:07	LB61078
	Antimony	995.07	994.0	100.1	90 - 110	P	06/07/2012	12:07	LB61078
	Arsenic	1000.50	999.0	100.2	90 - 110	P	06/07/2012	12:07	LB61078
	Barium	518.96	503.0	103.2	90 - 110	P	06/07/2012	12:07	LB61078
	Beryllium	497.06	495.0	100.4	90 - 110	P	06/07/2012	12:07	LB61078
	Cadmium	499.07	496.0	100.6	90 - 110	P	06/07/2012	12:07	LB61078
	Calcium	10029.00	10026.0	100.0	90 - 110	P	06/07/2012	12:07	LB61078
	Chromium	502.40	490.0	102.5	90 - 110	P	06/07/2012	12:07	LB61078
	Cobalt	493.37	499.0	98.9	90 - 110	P	06/07/2012	12:07	LB61078
	Copper	519.27	492.0	105.5	90 - 110	P	06/07/2012	12:07	LB61078
	Iron	5270.50	5082.0	103.7	90 - 110	P	06/07/2012	12:07	LB61078
	Lead	999.40	1002.0	99.7	90 - 110	P	06/07/2012	12:07	LB61078
	Magnesium	6046.10	6074.0	99.5	90 - 110	P	06/07/2012	12:07	LB61078
	Manganese	508.07	499.0	101.8	90 - 110	P	06/07/2012	12:07	LB61078
	Nickel	500.66	503.0	99.5	90 - 110	P	06/07/2012	12:07	LB61078
	Potassium	10036.00	10021.0	100.1	90 - 110	P	06/07/2012	12:07	LB61078
	Selenium	981.92	1003.0	97.9	90 - 110	P	06/07/2012	12:07	LB61078
	Silver	495.45	501.0	98.9	90 - 110	P	06/07/2012	12:07	LB61078
	Sodium	9932.20	10097.0	98.4	90 - 110	P	06/07/2012	12:07	LB61078
	Thallium	1018.50	1003.0	101.5	90 - 110	P	06/07/2012	12:07	LB61078
	Vanadium	510.44	501.0	101.9	90 - 110	P	06/07/2012	12:07	LB61078
	Zinc	993.32	1025.0	96.9	90 - 110	P	06/07/2012	12:07	LB61078
CCV01	Aluminum	10083.00	10000.0	100.8	90 - 110	P	06/07/2012	12:33	LB61078
	Antimony	4948.40	5000.0	99.0	90 - 110	P	06/07/2012	12:33	LB61078
	Arsenic	4985.90	5000.0	99.7	90 - 110	P	06/07/2012	12:33	LB61078
	Barium	10075.00	10000.0	100.8	90 - 110	P	06/07/2012	12:33	LB61078
	Beryllium	258.08	250.0	103.2	90 - 110	P	06/07/2012	12:33	LB61078
	Cadmium	2506.80	2500.0	100.3	90 - 110	P	06/07/2012	12:33	LB61078
	Calcium	25340.00	25000.0	101.4	90 - 110	P	06/07/2012	12:33	LB61078
	Chromium	1023.30	1000.0	102.3	90 - 110	P	06/07/2012	12:33	LB61078
	Cobalt	2502.60	2500.0	100.1	90 - 110	P	06/07/2012	12:33	LB61078
	Copper	1281.20	1250.0	102.5	90 - 110	P	06/07/2012	12:33	LB61078

CHEMTECH

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Arcadis Inc. **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Initial Calibration Source: EPA

Continuing Calibration Source: INORGANIC-VENTURES

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	5195.70	5000.0	103.9	90 - 110	P	06/07/2012	12:33	LB61078
	Lead	4980.50	5000.0	99.6	90 - 110	P	06/07/2012	12:33	LB61078
	Magnesium	25700.00	25000.0	102.8	90 - 110	P	06/07/2012	12:33	LB61078
	Manganese	2528.90	2500.0	101.2	90 - 110	P	06/07/2012	12:33	LB61078
	Nickel	2500.90	2500.0	100.0	90 - 110	P	06/07/2012	12:33	LB61078
	Potassium	25003.00	25000.0	100.0	90 - 110	P	06/07/2012	12:33	LB61078
	Selenium	5033.50	5000.0	100.7	90 - 110	P	06/07/2012	12:33	LB61078
	Silver	1257.70	1250.0	100.6	90 - 110	P	06/07/2012	12:33	LB61078
	Sodium	24912.00	25000.0	99.6	90 - 110	P	06/07/2012	12:33	LB61078
	Thallium	5018.10	5000.0	100.4	90 - 110	P	06/07/2012	12:33	LB61078
	Vanadium	2565.20	2500.0	102.6	90 - 110	P	06/07/2012	12:33	LB61078
	Zinc	2520.80	2500.0	100.8	90 - 110	P	06/07/2012	12:33	LB61078
CCV02	Aluminum	10053.00	10000.0	100.5	90 - 110	P	06/07/2012	13:23	LB61078
	Antimony	4905.20	5000.0	98.1	90 - 110	P	06/07/2012	13:23	LB61078
	Arsenic	4943.80	5000.0	98.9	90 - 110	P	06/07/2012	13:23	LB61078
	Barium	10073.00	10000.0	100.7	90 - 110	P	06/07/2012	13:23	LB61078
	Beryllium	254.53	250.0	101.8	90 - 110	P	06/07/2012	13:23	LB61078
	Cadmium	2458.00	2500.0	98.3	90 - 110	P	06/07/2012	13:23	LB61078
	Calcium	25187.00	25000.0	100.7	90 - 110	P	06/07/2012	13:23	LB61078
	Chromium	1002.40	1000.0	100.2	90 - 110	P	06/07/2012	13:23	LB61078
	Cobalt	2455.90	2500.0	98.2	90 - 110	P	06/07/2012	13:23	LB61078
	Copper	1266.70	1250.0	101.3	90 - 110	P	06/07/2012	13:23	LB61078
	Iron	5119.50	5000.0	102.4	90 - 110	P	06/07/2012	13:23	LB61078
	Lead	4904.50	5000.0	98.1	90 - 110	P	06/07/2012	13:23	LB61078
	Magnesium	25425.00	25000.0	101.7	90 - 110	P	06/07/2012	13:23	LB61078
	Manganese	2493.30	2500.0	99.7	90 - 110	P	06/07/2012	13:23	LB61078
	Nickel	2453.50	2500.0	98.1	90 - 110	P	06/07/2012	13:23	LB61078
	Potassium	24726.00	25000.0	98.9	90 - 110	P	06/07/2012	13:23	LB61078
	Selenium	4974.70	5000.0	99.5	90 - 110	P	06/07/2012	13:23	LB61078
	Silver	1240.60	1250.0	99.2	90 - 110	P	06/07/2012	13:23	LB61078
	Sodium	24796.00	25000.0	99.2	90 - 110	P	06/07/2012	13:23	LB61078
	Thallium	4957.90	5000.0	99.2	90 - 110	P	06/07/2012	13:23	LB61078
	Vanadium	2536.20	2500.0	101.4	90 - 110	P	06/07/2012	13:23	LB61078
	Zinc	2472.20	2500.0	98.9	90 - 110	P	06/07/2012	13:23	LB61078
CCV03	Aluminum	10090.00	10000.0	100.9	90 - 110	P	06/07/2012	14:14	LB61078

CHEMTECH

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Arcadis Inc. **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Initial Calibration Source: EPA

Continuing Calibration Source: INORGANIC-VENTURES

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV03	Antimony	4950.20	5000.0	99.0	90 - 110	P	06/07/2012	14:14	LB61078
	Arsenic	4900.00	5000.0	98.0	90 - 110	P	06/07/2012	14:14	LB61078
	Barium	10006.00	10000.0	100.1	90 - 110	P	06/07/2012	14:14	LB61078
	Beryllium	255.41	250.0	102.2	90 - 110	P	06/07/2012	14:14	LB61078
	Cadmium	2491.50	2500.0	99.7	90 - 110	P	06/07/2012	14:14	LB61078
	Calcium	25463.00	25000.0	101.9	90 - 110	P	06/07/2012	14:14	LB61078
	Chromium	1015.80	1000.0	101.6	90 - 110	P	06/07/2012	14:14	LB61078
	Cobalt	2461.20	2500.0	98.4	90 - 110	P	06/07/2012	14:14	LB61078
	Copper	1273.20	1250.0	101.9	90 - 110	P	06/07/2012	14:14	LB61078
	Iron	5137.10	5000.0	102.7	90 - 110	P	06/07/2012	14:14	LB61078
	Lead	4977.10	5000.0	99.5	90 - 110	P	06/07/2012	14:14	LB61078
	Magnesium	25603.00	25000.0	102.4	90 - 110	P	06/07/2012	14:14	LB61078
	Manganese	2567.10	2500.0	102.7	90 - 110	P	06/07/2012	14:14	LB61078
	Nickel	2478.70	2500.0	99.1	90 - 110	P	06/07/2012	14:14	LB61078
	Potassium	25086.00	25000.0	100.3	90 - 110	P	06/07/2012	14:14	LB61078
	Selenium	4955.40	5000.0	99.1	90 - 110	P	06/07/2012	14:14	LB61078
	Silver	1252.30	1250.0	100.2	90 - 110	P	06/07/2012	14:14	LB61078
	Sodium	24086.00	25000.0	96.3	90 - 110	P	06/07/2012	14:14	LB61078
	Thallium	4977.00	5000.0	99.5	90 - 110	P	06/07/2012	14:14	LB61078
	Vanadium	2586.70	2500.0	103.5	90 - 110	P	06/07/2012	14:14	LB61078
	Zinc	2476.40	2500.0	99.1	90 - 110	P	06/07/2012	14:14	LB61078
CCV04	Aluminum	10262.00	10000.0	102.6	90 - 110	P	06/07/2012	15:05	LB61078
	Antimony	4993.50	5000.0	99.9	90 - 110	P	06/07/2012	15:05	LB61078
	Arsenic	4941.50	5000.0	98.8	90 - 110	P	06/07/2012	15:05	LB61078
	Barium	10117.00	10000.0	101.2	90 - 110	P	06/07/2012	15:05	LB61078
	Beryllium	261.40	250.0	104.6	90 - 110	P	06/07/2012	15:05	LB61078
	Cadmium	2549.20	2500.0	102.0	90 - 110	P	06/07/2012	15:05	LB61078
	Calcium	25941.00	25000.0	103.8	90 - 110	P	06/07/2012	15:05	LB61078
	Chromium	1037.80	1000.0	103.8	90 - 110	P	06/07/2012	15:05	LB61078
	Cobalt	2495.80	2500.0	99.8	90 - 110	P	06/07/2012	15:05	LB61078
	Copper	1295.90	1250.0	103.7	90 - 110	P	06/07/2012	15:05	LB61078
	Iron	5254.80	5000.0	105.1	90 - 110	P	06/07/2012	15:05	LB61078
	Lead	5067.00	5000.0	101.3	90 - 110	P	06/07/2012	15:05	LB61078
	Magnesium	26196.00	25000.0	104.8	90 - 110	P	06/07/2012	15:05	LB61078
	Manganese	2617.30	2500.0	104.7	90 - 110	P	06/07/2012	15:05	LB61078

CHEMTECH

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Arcadis Inc. **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Initial Calibration Source: EPA

Continuing Calibration Source: INORGANIC-VENTURES

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Nickel	2519.00	2500.0	100.8	90 - 110	P	06/07/2012	15:05	LB61078
	Potassium	25337.00	25000.0	101.3	90 - 110	P	06/07/2012	15:05	LB61078
	Selenium	5115.60	5000.0	102.3	90 - 110	P	06/07/2012	15:05	LB61078
	Silver	1270.20	1250.0	101.6	90 - 110	P	06/07/2012	15:05	LB61078
	Sodium	24872.00	25000.0	99.5	90 - 110	P	06/07/2012	15:05	LB61078
	Thallium	5047.40	5000.0	100.9	90 - 110	P	06/07/2012	15:05	LB61078
	Vanadium	2652.00	2500.0	106.1	90 - 110	P	06/07/2012	15:05	LB61078
	Zinc	2562.40	2500.0	102.5	90 - 110	P	06/07/2012	15:05	LB61078
CCV05	Aluminum	10217.00	10000.0	102.2	90 - 110	P	06/07/2012	15:55	LB61078
	Antimony	4926.30	5000.0	98.5	90 - 110	P	06/07/2012	15:55	LB61078
	Arsenic	4885.00	5000.0	97.7	90 - 110	P	06/07/2012	15:55	LB61078
	Barium	10173.00	10000.0	101.7	90 - 110	P	06/07/2012	15:55	LB61078
	Beryllium	259.27	250.0	103.7	90 - 110	P	06/07/2012	15:55	LB61078
	Cadmium	2502.60	2500.0	100.1	90 - 110	P	06/07/2012	15:55	LB61078
	Calcium	25925.00	25000.0	103.7	90 - 110	P	06/07/2012	15:55	LB61078
	Chromium	1017.50	1000.0	101.8	90 - 110	P	06/07/2012	15:55	LB61078
	Cobalt	2462.60	2500.0	98.5	90 - 110	P	06/07/2012	15:55	LB61078
	Copper	1284.90	1250.0	102.8	90 - 110	P	06/07/2012	15:55	LB61078
	Iron	5221.40	5000.0	104.4	90 - 110	P	06/07/2012	15:55	LB61078
	Lead	4996.70	5000.0	99.9	90 - 110	P	06/07/2012	15:55	LB61078
	Magnesium	26060.00	25000.0	104.2	90 - 110	P	06/07/2012	15:55	LB61078
	Manganese	2604.90	2500.0	104.2	90 - 110	P	06/07/2012	15:55	LB61078
	Nickel	2488.80	2500.0	99.6	90 - 110	P	06/07/2012	15:55	LB61078
	Potassium	25186.00	25000.0	100.7	90 - 110	P	06/07/2012	15:55	LB61078
	Selenium	5037.70	5000.0	100.8	90 - 110	P	06/07/2012	15:55	LB61078
	Silver	1251.20	1250.0	100.1	90 - 110	P	06/07/2012	15:55	LB61078
	Sodium	24453.00	25000.0	97.8	90 - 110	P	06/07/2012	15:55	LB61078
	Thallium	4982.60	5000.0	99.7	90 - 110	P	06/07/2012	15:55	LB61078
	Vanadium	2616.80	2500.0	104.7	90 - 110	P	06/07/2012	15:55	LB61078
	Zinc	2515.60	2500.0	100.6	90 - 110	P	06/07/2012	15:55	LB61078
CCV06	Aluminum	9645.40	10000.0	96.5	90 - 110	P	06/07/2012	16:47	LB61078
	Antimony	4979.20	5000.0	99.6	90 - 110	P	06/07/2012	16:47	LB61078
	Arsenic	4899.30	5000.0	98.0	90 - 110	P	06/07/2012	16:47	LB61078
	Barium	9945.90	10000.0	99.5	90 - 110	P	06/07/2012	16:47	LB61078
	Beryllium	243.27	250.0	97.3	90 - 110	P	06/07/2012	16:47	LB61078

CHEMTECH

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Arcadis Inc. **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Initial Calibration Source: EPA

Continuing Calibration Source: INORGANIC-VENTURES

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV06	Cadmium	2431.80	2500.0	97.3	90 - 110	P	06/07/2012	16:47	LB61078
	Calcium	24888.00	25000.0	99.6	90 - 110	P	06/07/2012	16:47	LB61078
	Chromium	944.35	1000.0	94.4	90 - 110	P	06/07/2012	16:47	LB61078
	Cobalt	2388.90	2500.0	95.6	90 - 110	P	06/07/2012	16:47	LB61078
	Copper	1218.90	1250.0	97.5	90 - 110	P	06/07/2012	16:47	LB61078
	Iron	4852.00	5000.0	97.0	90 - 110	P	06/07/2012	16:47	LB61078
	Lead	4868.20	5000.0	97.4	90 - 110	P	06/07/2012	16:47	LB61078
	Magnesium	24690.00	25000.0	98.8	90 - 110	P	06/07/2012	16:47	LB61078
	Manganese	2530.10	2500.0	101.2	90 - 110	P	06/07/2012	16:47	LB61078
	Nickel	2418.90	2500.0	96.8	90 - 110	P	06/07/2012	16:47	LB61078
	Potassium	24698.00	25000.0	98.8	90 - 110	P	06/07/2012	16:47	LB61078
	Selenium	4834.80	5000.0	96.7	90 - 110	P	06/07/2012	16:47	LB61078
	Silver	1181.90	1250.0	94.6	90 - 110	P	06/07/2012	16:47	LB61078
	Sodium	23139.00	25000.0	92.6	90 - 110	P	06/07/2012	16:47	LB61078
	Thallium	4879.80	5000.0	97.6	90 - 110	P	06/07/2012	16:47	LB61078
	Vanadium	2461.20	2500.0	98.4	90 - 110	P	06/07/2012	16:47	LB61078
	Zinc	2430.50	2500.0	97.2	90 - 110	P	06/07/2012	16:47	LB61078
CCV07	Aluminum	10075.00	10000.0	100.8	90 - 110	P	06/07/2012	17:37	LB61078
	Antimony	4787.50	5000.0	95.8	90 - 110	P	06/07/2012	17:37	LB61078
	Arsenic	4727.90	5000.0	94.6	90 - 110	P	06/07/2012	17:37	LB61078
	Barium	9888.90	10000.0	98.9	90 - 110	P	06/07/2012	17:37	LB61078
	Beryllium	260.31	250.0	104.1	90 - 110	P	06/07/2012	17:37	LB61078
	Cadmium	2506.40	2500.0	100.3	90 - 110	P	06/07/2012	17:37	LB61078
	Calcium	25695.00	25000.0	102.8	90 - 110	P	06/07/2012	17:37	LB61078
	Chromium	1014.10	1000.0	101.4	90 - 110	P	06/07/2012	17:37	LB61078
	Cobalt	2437.90	2500.0	97.5	90 - 110	P	06/07/2012	17:37	LB61078
	Copper	1283.60	1250.0	102.7	90 - 110	P	06/07/2012	17:37	LB61078
	Iron	5211.40	5000.0	104.2	90 - 110	P	06/07/2012	17:37	LB61078
	Lead	4966.70	5000.0	99.3	90 - 110	P	06/07/2012	17:37	LB61078
	Magnesium	26032.00	25000.0	104.1	90 - 110	P	06/07/2012	17:37	LB61078
	Manganese	2589.80	2500.0	103.6	90 - 110	P	06/07/2012	17:37	LB61078
	Nickel	2469.30	2500.0	98.8	90 - 110	P	06/07/2012	17:37	LB61078
	Potassium	24605.00	25000.0	98.4	90 - 110	P	06/07/2012	17:37	LB61078
	Selenium	4961.20	5000.0	99.2	90 - 110	P	06/07/2012	17:37	LB61078
	Silver	1235.20	1250.0	98.8	90 - 110	P	06/07/2012	17:37	LB61078

CHEMTECH

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Arcadis Inc. **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Initial Calibration Source: EPA

Continuing Calibration Source: INORGANIC-VENTURES

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Sodium	23693.00	25000.0	94.8	90 - 110	P	06/07/2012	17:37	LB61078
	Thallium	4907.40	5000.0	98.1	90 - 110	P	06/07/2012	17:37	LB61078
	Vanadium	2644.50	2500.0	105.8	90 - 110	P	06/07/2012	17:37	LB61078
	Zinc	2524.40	2500.0	101.0	90 - 110	P	06/07/2012	17:37	LB61078
CCV08	Aluminum	9902.10	10000.0	99.0	90 - 110	P	06/07/2012	18:28	LB61078
	Antimony	4717.90	5000.0	94.4	90 - 110	P	06/07/2012	18:28	LB61078
	Arsenic	4708.80	5000.0	94.2	90 - 110	P	06/07/2012	18:28	LB61078
	Barium	9623.10	10000.0	96.2	90 - 110	P	06/07/2012	18:28	LB61078
	Beryllium	259.53	250.0	103.8	90 - 110	P	06/07/2012	18:28	LB61078
	Cadmium	2512.20	2500.0	100.5	90 - 110	P	06/07/2012	18:28	LB61078
	Calcium	25274.00	25000.0	101.1	90 - 110	P	06/07/2012	18:28	LB61078
	Chromium	1034.00	1000.0	103.4	90 - 110	P	06/07/2012	18:28	LB61078
	Cobalt	2446.70	2500.0	97.9	90 - 110	P	06/07/2012	18:28	LB61078
	Copper	1279.80	1250.0	102.4	90 - 110	P	06/07/2012	18:28	LB61078
	Iron	5193.80	5000.0	103.9	90 - 110	P	06/07/2012	18:28	LB61078
	Lead	4950.80	5000.0	99.0	90 - 110	P	06/07/2012	18:28	LB61078
	Magnesium	25694.00	25000.0	102.8	90 - 110	P	06/07/2012	18:28	LB61078
	Manganese	2541.10	2500.0	101.6	90 - 110	P	06/07/2012	18:28	LB61078
	Nickel	2466.30	2500.0	98.7	90 - 110	P	06/07/2012	18:28	LB61078
	Potassium	23940.00	25000.0	95.8	90 - 110	P	06/07/2012	18:28	LB61078
	Selenium	4760.30	5000.0	95.2	90 - 110	P	06/07/2012	18:28	LB61078
	Silver	1250.60	1250.0	100.0	90 - 110	P	06/07/2012	18:28	LB61078
	Sodium	23354.00	25000.0	93.4	90 - 110	P	06/07/2012	18:28	LB61078
	Thallium	4900.60	5000.0	98.0	90 - 110	P	06/07/2012	18:28	LB61078
	Vanadium	2621.00	2500.0	104.8	90 - 110	P	06/07/2012	18:28	LB61078
	Zinc	2422.90	2500.0	96.9	90 - 110	P	06/07/2012	18:28	LB61078
CCV09	Aluminum	9902.30	10000.0	99.0	90 - 110	P	06/07/2012	18:57	LB61078
	Antimony	4703.40	5000.0	94.1	90 - 110	P	06/07/2012	18:57	LB61078
	Arsenic	4675.20	5000.0	93.5	90 - 110	P	06/07/2012	18:57	LB61078
	Barium	9770.80	10000.0	97.7	90 - 110	P	06/07/2012	18:57	LB61078
	Beryllium	259.13	250.0	103.7	90 - 110	P	06/07/2012	18:57	LB61078
	Cadmium	2464.60	2500.0	98.6	90 - 110	P	06/07/2012	18:57	LB61078
	Calcium	25465.00	25000.0	101.9	90 - 110	P	06/07/2012	18:57	LB61078
	Chromium	1016.40	1000.0	101.6	90 - 110	P	06/07/2012	18:57	LB61078
	Cobalt	2402.10	2500.0	96.1	90 - 110	P	06/07/2012	18:57	LB61078

CHEMTECH

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Arcadis Inc. **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Initial Calibration Source: EPA

Continuing Calibration Source: INORGANIC-VENTURES

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV09	Copper	1272.30	1250.0	101.8	90 - 110	P	06/07/2012	18:57	LB61078
	Iron	5183.90	5000.0	103.7	90 - 110	P	06/07/2012	18:57	LB61078
	Lead	4876.70	5000.0	97.5	90 - 110	P	06/07/2012	18:57	LB61078
	Magnesium	25707.00	25000.0	102.8	90 - 110	P	06/07/2012	18:57	LB61078
	Manganese	2552.20	2500.0	102.1	90 - 110	P	06/07/2012	18:57	LB61078
	Nickel	2429.70	2500.0	97.2	90 - 110	P	06/07/2012	18:57	LB61078
	Potassium	24137.00	25000.0	96.5	90 - 110	P	06/07/2012	18:57	LB61078
	Selenium	4801.30	5000.0	96.0	90 - 110	P	06/07/2012	18:57	LB61078
	Silver	1229.90	1250.0	98.4	90 - 110	P	06/07/2012	18:57	LB61078
	Sodium	23654.00	25000.0	94.6	90 - 110	P	06/07/2012	18:57	LB61078
	Thallium	4832.60	5000.0	96.7	90 - 110	P	06/07/2012	18:57	LB61078
	Vanadium	2606.60	2500.0	104.3	90 - 110	P	06/07/2012	18:57	LB61078
	Zinc	2449.30	2500.0	98.0	90 - 110	P	06/07/2012	18:57	LB61078

CHEMTECH

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Arcadis Inc. **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Mercury	4.03	4.0	100.8	90 - 110	CV	06/05/2012	10:13	LB61019
CCV01	Mercury	5.02	5.0	100.4	90 - 110	CV	06/05/2012	10:17	LB61019
CCV02	Mercury	4.92	5.0	98.4	90 - 110	CV	06/05/2012	10:41	LB61019
CCV03	Mercury	4.95	5.0	99.0	90 - 110	CV	06/05/2012	11:08	LB61019
CCV04	Mercury	4.86	5.0	97.2	90 - 110	CV	06/05/2012	11:31	LB61019
CCV05	Mercury	4.51	5.0	90.2	90 - 110	CV	06/05/2012	11:55	LB61019
CCV06	Mercury	4.68	5.0	93.6	90 - 110	CV	06/05/2012	12:18	LB61019
CCV07	Mercury	4.83	5.0	96.6	90 - 110	CV	06/05/2012	12:42	LB61019
CCV08	Mercury	4.80	5.0	96.0	90 - 110	CV	06/05/2012	13:05	LB61019
CCV09	Mercury	4.64	5.0	92.8	90 - 110	CV	06/05/2012	13:11	LB61019
ICV01	Mercury	3.88	4.0	97.0	90 - 110	CV	06/08/2012	09:07	LB61081
CCV01	Mercury	4.98	5.0	99.6	90 - 110	CV	06/08/2012	09:11	LB61081
CCV02	Mercury	4.90	5.0	98.0	90 - 110	CV	06/08/2012	09:36	LB61081
CCV03	Mercury	4.93	5.0	98.6	90 - 110	CV	06/08/2012	10:01	LB61081
CCV04	Mercury	4.95	5.0	99.0	90 - 110	CV	06/08/2012	10:09	LB61081

CHEMTECH

Metals

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CRDL STANDARD FOR AA & ICP

Client: Arcadis Inc. **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Initial Calibration Source: PLASMA-PURE

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Mercury	0.19	0.2	95.0	70 - 130	CV	06/05/2012	10:21	LB61019
CRI01	Aluminum	49.36	50.0	98.7	50 - 150	P	06/07/2012	12:16	LB61078
	Antimony	22.45	25.0	89.8	50 - 150	P	06/07/2012	12:16	LB61078
	Arsenic	8.01	10.0	80.1	70 - 130	P	06/07/2012	12:16	LB61078
	Barium	47.31	50.0	94.6	70 - 130	P	06/07/2012	12:16	LB61078
	Beryllium	2.87	3.0	95.7	70 - 130	P	06/07/2012	12:16	LB61078
	Cadmium	2.91	3.0	97.0	70 - 130	P	06/07/2012	12:16	LB61078
	Chromium	4.66	5.0	93.2	70 - 130	P	06/07/2012	12:16	LB61078
	Cobalt	14.25	15.0	95.0	70 - 130	P	06/07/2012	12:16	LB61078
	Copper	9.93	10.0	99.3	70 - 130	P	06/07/2012	12:16	LB61078
	Iron	55.450	50.0	110.90	50 - 150	P	06/07/2012	12:16	LB61078
	Lead	5.69	6.0	94.8	50 - 150	P	06/07/2012	12:16	LB61078
	Manganese	10.14	10.0	101.4	70 - 130	P	06/07/2012	12:16	LB61078
	Nickel	19.48	20.0	97.4	70 - 130	P	06/07/2012	12:16	LB61078
	Selenium	8.16	10.0	81.6	70 - 130	P	06/07/2012	12:16	LB61078
	Silver	5.15	5.0	103.0	70 - 130	P	06/07/2012	12:16	LB61078
	Thallium	20.74	20.0	103.7	50 - 150	P	06/07/2012	12:16	LB61078
	Vanadium	19.53	20.0	97.6	70 - 130	P	06/07/2012	12:16	LB61078
	Zinc	21.27	20.0	106.4	70 - 130	P	06/07/2012	12:16	LB61078
CRI02	Calcium	974.60	1000.0	97.5	50 - 150	P	06/07/2012	12:20	LB61078
	Magnesium	1027.00	1000.0	102.7	50 - 150	P	06/07/2012	12:20	LB61078
	Potassium	977.31	1000.0	97.7	50 - 150	P	06/07/2012	12:20	LB61078
	Sodium	1000.70	1000.0	100.1	50 - 150	P	06/07/2012	12:20	LB61078
CRI01	Mercury	0.22	0.2	110.0	70 - 130	CV	06/08/2012	09:15	LB61081

CHEMTECH

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Arcadis Inc. **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	06/05/2012	10:15	LB61019
CCB01	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	06/05/2012	10:19	LB61019
CCB02	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	06/05/2012	10:43	LB61019
CCB03	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	06/05/2012	11:10	LB61019
CCB04	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	06/05/2012	11:33	LB61019
CCB05	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	06/05/2012	11:57	LB61019
CCB06	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	06/05/2012	12:20	LB61019
CCB07	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	06/05/2012	12:43	LB61019
CCB08	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	06/05/2012	13:07	LB61019
CCB09	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	06/05/2012	13:13	LB61019
ICB01	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	06/07/2012	12:11	LB61078
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	06/07/2012	12:11	LB61078
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	06/07/2012	12:11	LB61078
	Barium	4.0	+/-50.0	U	4.0	50.0	P	06/07/2012	12:11	LB61078
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	06/07/2012	12:11	LB61078
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	06/07/2012	12:11	LB61078
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	06/07/2012	12:11	LB61078
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	06/07/2012	12:11	LB61078
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	06/07/2012	12:11	LB61078
	Copper	2.0	+/-10.0	U	2.0	10.0	P	06/07/2012	12:11	LB61078
	Iron	20.4	+/-50.0	U	20.4	50.0	P	06/07/2012	12:11	LB61078
	Lead	2.6	+/-6.0	U	2.6	6.0	P	06/07/2012	12:11	LB61078
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	06/07/2012	12:11	LB61078
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	06/07/2012	12:11	LB61078
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	06/07/2012	12:11	LB61078
	Potassium	60.9	+/-1000.0	J	38.8	1000.0	P	06/07/2012	12:11	LB61078
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	06/07/2012	12:11	LB61078
	Silver	1.5	+/-5.0	U	1.5	5.0	P	06/07/2012	12:11	LB61078
	Sodium	22.9	+/-1000.0	J	13.9	1000.0	P	06/07/2012	12:11	LB61078
	Thallium	2.9	+/-20.0	J	2.4	20.0	P	06/07/2012	12:11	LB61078
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	06/07/2012	12:11	LB61078
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	06/07/2012	12:11	LB61078
CCB01	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	06/07/2012	12:37	LB61078
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	06/07/2012	12:37	LB61078
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	06/07/2012	12:37	LB61078
	Barium	4.0	+/-50.0	U	4.0	50.0	P	06/07/2012	12:37	LB61078
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	06/07/2012	12:37	LB61078
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	06/07/2012	12:37	LB61078

CHEMTECH

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Arcadis Inc. **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	06/07/2012	12:37	LB61078
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	06/07/2012	12:37	LB61078
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	06/07/2012	12:37	LB61078
	Copper	2.0	+/-10.0	U	2.0	10.0	P	06/07/2012	12:37	LB61078
	Iron	20.4	+/-50.0	U	20.4	50.0	P	06/07/2012	12:37	LB61078
	Lead	2.6	+/-6.0	U	2.6	6.0	P	06/07/2012	12:37	LB61078
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	06/07/2012	12:37	LB61078
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	06/07/2012	12:37	LB61078
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	06/07/2012	12:37	LB61078
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	06/07/2012	12:37	LB61078
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	06/07/2012	12:37	LB61078
	Silver	1.5	+/-5.0	U	1.5	5.0	P	06/07/2012	12:37	LB61078
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	06/07/2012	12:37	LB61078
	Thallium	3.8	+/-20.0	J	2.4	20.0	P	06/07/2012	12:37	LB61078
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	06/07/2012	12:37	LB61078
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	06/07/2012	12:37	LB61078
CCB02	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	06/07/2012	13:27	LB61078
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	06/07/2012	13:27	LB61078
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	06/07/2012	13:27	LB61078
	Barium	4.0	+/-50.0	U	4.0	50.0	P	06/07/2012	13:27	LB61078
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	06/07/2012	13:27	LB61078
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	06/07/2012	13:27	LB61078
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	06/07/2012	13:27	LB61078
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	06/07/2012	13:27	LB61078
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	06/07/2012	13:27	LB61078
	Copper	2.0	+/-10.0	U	2.0	10.0	P	06/07/2012	13:27	LB61078
	Iron	20.4	+/-50.0	U	20.4	50.0	P	06/07/2012	13:27	LB61078
	Lead	2.6	+/-6.0	U	2.6	6.0	P	06/07/2012	13:27	LB61078
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	06/07/2012	13:27	LB61078
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	06/07/2012	13:27	LB61078
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	06/07/2012	13:27	LB61078
	Potassium	70.7	+/-1000.0	J	38.8	1000.0	P	06/07/2012	13:27	LB61078
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	06/07/2012	13:27	LB61078
	Silver	1.5	+/-5.0	U	1.5	5.0	P	06/07/2012	13:27	LB61078
	Sodium	40.7	+/-1000.0	J	13.9	1000.0	P	06/07/2012	13:27	LB61078
	Thallium	3.4	+/-20.0	J	2.4	20.0	P	06/07/2012	13:27	LB61078
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	06/07/2012	13:27	LB61078
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	06/07/2012	13:27	LB61078
CCB03	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	06/07/2012	14:18	LB61078
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	06/07/2012	14:18	LB61078
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	06/07/2012	14:18	LB61078
	Barium	4.0	+/-50.0	U	4.0	50.0	P	06/07/2012	14:18	LB61078

CHEMTECH

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Arcadis Inc. **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB03	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	06/07/2012	14:18	LB61078
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	06/07/2012	14:18	LB61078
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	06/07/2012	14:18	LB61078
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	06/07/2012	14:18	LB61078
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	06/07/2012	14:18	LB61078
	Copper	2.0	+/-10.0	U	2.0	10.0	P	06/07/2012	14:18	LB61078
	Iron	20.4	+/-50.0	U	20.4	50.0	P	06/07/2012	14:18	LB61078
	Lead	2.6	+/-6.0	U	2.6	6.0	P	06/07/2012	14:18	LB61078
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	06/07/2012	14:18	LB61078
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	06/07/2012	14:18	LB61078
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	06/07/2012	14:18	LB61078
	Potassium	57.4	+/-1000.0	J	38.8	1000.0	P	06/07/2012	14:18	LB61078
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	06/07/2012	14:18	LB61078
	Silver	1.5	+/-5.0	U	1.5	5.0	P	06/07/2012	14:18	LB61078
	Sodium	90.9	+/-1000.0	J	13.9	1000.0	P	06/07/2012	14:18	LB61078
	Thallium	4.7	+/-20.0	J	2.4	20.0	P	06/07/2012	14:18	LB61078
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	06/07/2012	14:18	LB61078
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	06/07/2012	14:18	LB61078
CCB04	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	06/07/2012	15:09	LB61078
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	06/07/2012	15:09	LB61078
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	06/07/2012	15:09	LB61078
	Barium	4.0	+/-50.0	U	4.0	50.0	P	06/07/2012	15:09	LB61078
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	06/07/2012	15:09	LB61078
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	06/07/2012	15:09	LB61078
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	06/07/2012	15:09	LB61078
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	06/07/2012	15:09	LB61078
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	06/07/2012	15:09	LB61078
	Copper	2.0	+/-10.0	U	2.0	10.0	P	06/07/2012	15:09	LB61078
	Iron	20.4	+/-50.0	U	20.4	50.0	P	06/07/2012	15:09	LB61078
	Lead	2.6	+/-6.0	U	2.6	6.0	P	06/07/2012	15:09	LB61078
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	06/07/2012	15:09	LB61078
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	06/07/2012	15:09	LB61078
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	06/07/2012	15:09	LB61078
	Potassium	49.6	+/-1000.0	J	38.8	1000.0	P	06/07/2012	15:09	LB61078
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	06/07/2012	15:09	LB61078
	Silver	1.5	+/-5.0	U	1.5	5.0	P	06/07/2012	15:09	LB61078
	Sodium	75.1	+/-1000.0	J	13.9	1000.0	P	06/07/2012	15:09	LB61078
	Thallium	4.1	+/-20.0	J	2.4	20.0	P	06/07/2012	15:09	LB61078
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	06/07/2012	15:09	LB61078
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	06/07/2012	15:09	LB61078
CCB05	Aluminum	22.4	+/-50.0	J	6.5	50.0	P	06/07/2012	15:59	LB61078
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	06/07/2012	15:59	LB61078

CHEMTECH

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Arcadis Inc. **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB05	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	06/07/2012	15:59	LB61078
	Barium	4.0	+/-50.0	U	4.0	50.0	P	06/07/2012	15:59	LB61078
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	06/07/2012	15:59	LB61078
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	06/07/2012	15:59	LB61078
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	06/07/2012	15:59	LB61078
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	06/07/2012	15:59	LB61078
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	06/07/2012	15:59	LB61078
	Copper	2.0	+/-10.0	U	2.0	10.0	P	06/07/2012	15:59	LB61078
	Iron	20.4	+/-50.0	U	20.4	50.0	P	06/07/2012	15:59	LB61078
	Lead	2.6	+/-6.0	U	2.6	6.0	P	06/07/2012	15:59	LB61078
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	06/07/2012	15:59	LB61078
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	06/07/2012	15:59	LB61078
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	06/07/2012	15:59	LB61078
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	06/07/2012	15:59	LB61078
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	06/07/2012	15:59	LB61078
	Silver	1.5	+/-5.0	U	1.5	5.0	P	06/07/2012	15:59	LB61078
	Sodium	62.2	+/-1000.0	J	13.9	1000.0	P	06/07/2012	15:59	LB61078
	Thallium	5.4	+/-20.0	J	2.4	20.0	P	06/07/2012	15:59	LB61078
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	06/07/2012	15:59	LB61078
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	06/07/2012	15:59	LB61078
CCB06	Aluminum	14.3	+/-50.0	J	6.5	50.0	P	06/07/2012	16:51	LB61078
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	06/07/2012	16:51	LB61078
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	06/07/2012	16:51	LB61078
	Barium	4.0	+/-50.0	U	4.0	50.0	P	06/07/2012	16:51	LB61078
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	06/07/2012	16:51	LB61078
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	06/07/2012	16:51	LB61078
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	06/07/2012	16:51	LB61078
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	06/07/2012	16:51	LB61078
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	06/07/2012	16:51	LB61078
	Copper	2.0	+/-10.0	U	2.0	10.0	P	06/07/2012	16:51	LB61078
	Iron	20.4	+/-50.0	U	20.4	50.0	P	06/07/2012	16:51	LB61078
	Lead	2.6	+/-6.0	U	2.6	6.0	P	06/07/2012	16:51	LB61078
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	06/07/2012	16:51	LB61078
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	06/07/2012	16:51	LB61078
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	06/07/2012	16:51	LB61078
	Potassium	233.7	+/-1000.0	J	38.8	1000.0	P	06/07/2012	16:51	LB61078
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	06/07/2012	16:51	LB61078
	Silver	1.5	+/-5.0	U	1.5	5.0	P	06/07/2012	16:51	LB61078
	Sodium	251.4	+/-1000.0	J	13.9	1000.0	P	06/07/2012	16:51	LB61078
	Thallium	2.4	+/-20.0	U	2.4	20.0	P	06/07/2012	16:51	LB61078
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	06/07/2012	16:51	LB61078
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	06/07/2012	16:51	LB61078

CHEMTECH

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Arcadis Inc. **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB07	Aluminum	12.5	+/-50.0	J	6.5	50.0	P	06/07/2012	17:41	LB61078
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	06/07/2012	17:41	LB61078
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	06/07/2012	17:41	LB61078
	Barium	4.0	+/-50.0	U	4.0	50.0	P	06/07/2012	17:41	LB61078
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	06/07/2012	17:41	LB61078
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	06/07/2012	17:41	LB61078
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	06/07/2012	17:41	LB61078
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	06/07/2012	17:41	LB61078
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	06/07/2012	17:41	LB61078
	Copper	2.0	+/-10.0	U	2.0	10.0	P	06/07/2012	17:41	LB61078
	Iron	20.4	+/-50.0	U	20.4	50.0	P	06/07/2012	17:41	LB61078
	Lead	2.6	+/-6.0	U	2.6	6.0	P	06/07/2012	17:41	LB61078
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	06/07/2012	17:41	LB61078
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	06/07/2012	17:41	LB61078
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	06/07/2012	17:41	LB61078
	Potassium	102.9	+/-1000.0	J	38.8	1000.0	P	06/07/2012	17:41	LB61078
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	06/07/2012	17:41	LB61078
	Silver	1.5	+/-5.0	U	1.5	5.0	P	06/07/2012	17:41	LB61078
	Sodium	112.4	+/-1000.0	J	13.9	1000.0	P	06/07/2012	17:41	LB61078
	Thallium	3.8	+/-20.0	J	2.4	20.0	P	06/07/2012	17:41	LB61078
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	06/07/2012	17:41	LB61078
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	06/07/2012	17:41	LB61078
CCB08	Aluminum	6.8	+/-50.0	J	6.5	50.0	P	06/07/2012	18:32	LB61078
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	06/07/2012	18:32	LB61078
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	06/07/2012	18:32	LB61078
	Barium	4.0	+/-50.0	U	4.0	50.0	P	06/07/2012	18:32	LB61078
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	06/07/2012	18:32	LB61078
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	06/07/2012	18:32	LB61078
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	06/07/2012	18:32	LB61078
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	06/07/2012	18:32	LB61078
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	06/07/2012	18:32	LB61078
	Copper	2.0	+/-10.0	U	2.0	10.0	P	06/07/2012	18:32	LB61078
	Iron	20.4	+/-50.0	U	20.4	50.0	P	06/07/2012	18:32	LB61078
	Lead	2.6	+/-6.0	U	2.6	6.0	P	06/07/2012	18:32	LB61078
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	06/07/2012	18:32	LB61078
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	06/07/2012	18:32	LB61078
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	06/07/2012	18:32	LB61078
	Potassium	44.1	+/-1000.0	J	38.8	1000.0	P	06/07/2012	18:32	LB61078
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	06/07/2012	18:32	LB61078
	Silver	1.5	+/-5.0	U	1.5	5.0	P	06/07/2012	18:32	LB61078
	Sodium	72.2	+/-1000.0	J	13.9	1000.0	P	06/07/2012	18:32	LB61078
	Thallium	4.3	+/-20.0	J	2.4	20.0	P	06/07/2012	18:32	LB61078

CHEMTECH

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Arcadis Inc. **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	06/07/2012	18:32	LB61078
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	06/07/2012	18:32	LB61078
CCB09	Aluminum	7.7	+/-50.0	J	6.5	50.0	P	06/07/2012	19:01	LB61078
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	06/07/2012	19:01	LB61078
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	06/07/2012	19:01	LB61078
	Barium	4.0	+/-50.0	U	4.0	50.0	P	06/07/2012	19:01	LB61078
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	06/07/2012	19:01	LB61078
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	06/07/2012	19:01	LB61078
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	06/07/2012	19:01	LB61078
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	06/07/2012	19:01	LB61078
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	06/07/2012	19:01	LB61078
	Copper	2.0	+/-10.0	U	2.0	10.0	P	06/07/2012	19:01	LB61078
	Iron	20.4	+/-50.0	U	20.4	50.0	P	06/07/2012	19:01	LB61078
	Lead	2.6	+/-6.0	U	2.6	6.0	P	06/07/2012	19:01	LB61078
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	06/07/2012	19:01	LB61078
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	06/07/2012	19:01	LB61078
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	06/07/2012	19:01	LB61078
	Potassium	38.8	+/-1000.0	U	38.8	1000.0	P	06/07/2012	19:01	LB61078
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	06/07/2012	19:01	LB61078
	Silver	1.5	+/-5.0	U	1.5	5.0	P	06/07/2012	19:01	LB61078
	Sodium	71.0	+/-1000.0	J	13.9	1000.0	P	06/07/2012	19:01	LB61078
	Thallium	3.2	+/-20.0	J	2.4	20.0	P	06/07/2012	19:01	LB61078
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	06/07/2012	19:01	LB61078
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	06/07/2012	19:01	LB61078
ICB01	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	06/08/2012	09:09	LB61081
CCB01	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	06/08/2012	09:13	LB61081
CCB02	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	06/08/2012	09:39	LB61081
CCB03	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	06/08/2012	10:03	LB61081
CCB04	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	06/08/2012	10:11	LB61081

CHEMTECH

Metals
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PREPARATION BLANK SUMMARY

Client: Arcadis Inc. **SDG No.:** D2950

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	MDL mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB63575BL		**SOIL**		**Batch Number:**	**PB63575**			**Prep Date:**	**06/04/2012**	
	Mercury	0.002	<0.010	U	0.002	0.010	CV	06/05/2012	10:27	LB61019
PB63620BL		**SOIL**		**Batch Number:**	**PB63620**			**Prep Date:**	**06/06/2012**	
	Aluminum	0.840	<5.000	U	0.840	5.000	P	06/07/2012	16:25	LB61078
	Antimony	0.560	<2.500	U	0.560	2.500	P	06/07/2012	16:25	LB61078
	Arsenic	0.330	<1.000	U	0.330	1.000	P	06/07/2012	16:25	LB61078
	Barium	0.400	<5.000	U	0.400	5.000	P	06/07/2012	16:25	LB61078
	Beryllium	0.060	<0.300	U	0.060	0.300	P	06/07/2012	16:25	LB61078
	Cadmium	0.060	<0.300	U	0.060	0.300	P	06/07/2012	16:25	LB61078
	Calcium	1.070	<100.000	U	1.070	100.000	P	06/07/2012	16:25	LB61078
	Chromium	0.130	<0.500	U	0.130	0.500	P	06/07/2012	16:25	LB61078
	Cobalt	0.570	<1.500	U	0.570	1.500	P	06/07/2012	16:25	LB61078
	Copper	0.320	<1.000	U	0.320	1.000	P	06/07/2012	16:25	LB61078
	Iron	1.330	<5.000	U	1.330	5.000	P	06/07/2012	16:25	LB61078
	Lead	0.120	<0.600	U	0.120	0.600	P	06/07/2012	16:25	LB61078
	Magnesium	4.580	<100.000	U	4.580	100.000	P	06/07/2012	16:25	LB61078
	Manganese	0.190	<1.000	U	0.190	1.000	P	06/07/2012	16:25	LB61078
	Nickel	0.460	<2.000	U	0.460	2.000	P	06/07/2012	16:25	LB61078
	Potassium	36.600	<100.000	J	3.500	100.000	P	06/07/2012	16:25	LB61078
	Selenium	0.529	<1.000	J	0.410	1.000	P	06/07/2012	16:25	LB61078
	Silver	0.150	<0.500	U	0.150	0.500	P	06/07/2012	16:25	LB61078
	Sodium	51.710	<100.000	J	2.520	100.000	P	06/07/2012	16:25	LB61078
	Thallium	0.270	<2.000	U	0.270	2.000	P	06/07/2012	16:25	LB61078
	Vanadium	0.590	<2.000	U	0.590	2.000	P	06/07/2012	16:25	LB61078
	Zinc	0.700	<2.000	U	0.700	2.000	P	06/07/2012	16:25	LB61078
PB63627BL		**SOIL**		**Batch Number:**	**PB63627**			**Prep Date:**	**06/06/2012**	
	Mercury	0.002	<0.010	U	0.002	0.010	CV	06/08/2012	09:21	LB61081

CHEMTECH

Metals
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INTERFERENCE CHECK SAMPLE

Client: Arcadis Inc. **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	242000	244100	99.1	80 - 120%	06/07/2012	12:24	LB61078
	Antimony	10.2				06/07/2012	12:24	LB61078
	Arsenic	11.5				06/07/2012	12:24	LB61078
	Barium	0.44				06/07/2012	12:24	LB61078
	Beryllium	0.66				06/07/2012	12:24	LB61078
	Cadmium	-6.2				06/07/2012	12:24	LB61078
	Calcium	247000	234900	105.2	80 - 120%	06/07/2012	12:24	LB61078
	Chromium	44.6	43	103.7	80 - 120%	06/07/2012	12:24	LB61078
	Cobalt	5.8				06/07/2012	12:24	LB61078
	Copper	15.7				06/07/2012	12:24	LB61078
	Iron	90400	95600	94.6	80 - 120%	06/07/2012	12:24	LB61078
	Lead	7.5				06/07/2012	12:24	LB61078
	Magnesium	241000	247500	97.4	80 - 120%	06/07/2012	12:24	LB61078
	Manganese	21.8	19	114.7	80 - 120%	06/07/2012	12:24	LB61078
	Nickel	23.6				06/07/2012	12:24	LB61078
	Potassium	11.0				06/07/2012	12:24	LB61078
	Selenium	-4.0				06/07/2012	12:24	LB61078
	Silver	-5.7				06/07/2012	12:24	LB61078
	Sodium	821				06/07/2012	12:24	LB61078
	Thallium	-0.93				06/07/2012	12:24	LB61078
	Vanadium	-3.1				06/07/2012	12:24	LB61078
	Zinc	22.1				06/07/2012	12:24	LB61078
ICSAB01	Aluminum	236000	241100	97.9	80 - 120%	06/07/2012	12:28	LB61078
	Antimony	595	589	101.0	80 - 120%	06/07/2012	12:28	LB61078
	Arsenic	98.9	101	97.9	80 - 120%	06/07/2012	12:28	LB61078
	Barium	493	495	99.6	80 - 120%	06/07/2012	12:28	LB61078
	Beryllium	497	475	104.6	80 - 120%	06/07/2012	12:28	LB61078
	Cadmium	995	940	105.9	80 - 120%	06/07/2012	12:28	LB61078
	Calcium	246000	231100	106.4	80 - 120%	06/07/2012	12:28	LB61078
	Chromium	505	511	98.8	80 - 120%	06/07/2012	12:28	LB61078
	Cobalt	499	461	108.2	80 - 120%	06/07/2012	12:28	LB61078
	Copper	477	548	87.0	80 - 120%	06/07/2012	12:28	LB61078
	Iron	89000	94800	93.9	80 - 120%	06/07/2012	12:28	LB61078
	Lead	58.3	61	95.6	80 - 120%	06/07/2012	12:28	LB61078
	Magnesium	238000	251100	94.8	80 - 120%	06/07/2012	12:28	LB61078
	Manganese	502	502	100.0	80 - 120%	06/07/2012	12:28	LB61078
	Nickel	1010	984	102.6	80 - 120%	06/07/2012	12:28	LB61078
	Potassium	-0.75				06/07/2012	12:28	LB61078
	Selenium	42.7	53	80.6	80 - 120%	06/07/2012	12:28	LB61078
	Silver	179	206	86.9	80 - 120%	06/07/2012	12:28	LB61078
	Sodium	805				06/07/2012	12:28	LB61078
	Thallium	96.0	103	93.2	80 - 120%	06/07/2012	12:28	LB61078
	Vanadium	465	494	94.1	80 - 120%	06/07/2012	12:28	LB61078
	Zinc	955	1028	92.9	80 - 120%	06/07/2012	12:28	LB61078

CHEMTECH

Metals
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MATRIX SPIKE SUMMARY

Client: Arcadis Inc. **Level:** LOW **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Matrix: SOIL **Sample ID:** D2919-11 **Client ID:** B1222SS-35BS

Percent Solids for Sample: 94.5 **Spiked ID:** D2919-11S **Percent Solids for Spike Sample:** 94.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.3014		0.0506		0.21	119.4		CV

CHEMTECH

Metals
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MATRIX SPIKE DUPLICATE SUMMARY

Client: Arcadis Inc. **Level:** LOW **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Matrix: SOIL **Sample ID:** D2919-11 **Client ID:** B1222SS-35BSD

Percent Solids for Sample: 94.5 **Spiked ID:** D2919-11SD **Percent Solids for Spike Sample:** 94.5

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.2554		0.0506		0.21	97.5		CV

CHEMTECH

Metals
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MATRIX SPIKE SUMMARY

Client: Arcadis Inc. **Level:** LOW **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Matrix: SOIL **Sample ID:** D2950-12 **Client ID:** IDW-060412S

Percent Solids for Sample: 87.2 **Spiked ID:** D2950-12S **Percent Solids for Spike Sample:** 87.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	80 - 120	5349.7710		5279.3260		194.37	36.2		P
Antimony	mg/Kg	80 - 120	46.0018		0.9593	J	77.75	57.9	N	P
Arsenic	mg/Kg	80 - 120	72.5441		2.2235		77.75	90.4		P
Barium	mg/Kg	80 - 120	60.6156		33.0776		19.44	141.7	N	P
Beryllium	mg/Kg	80 - 120	19.3108		0.2184	J	19.44	98.2		P
Cadmium	mg/Kg	80 - 120	18.5304		0.0583	U	19.44	95.3		P
Calcium	mg/Kg	80 - 120	8609.1790		9562.9470		97.19	-981.3		P
Chromium	mg/Kg	80 - 120	50.7493		14.2548		38.87	93.9		P
Cobalt	mg/Kg	80 - 120	21.9095		3.5223		19.44	94.6		P
Copper	mg/Kg	80 - 120	50.0233		72.5153		29.16	-77.1	N	P
Iron	mg/Kg	80 - 120	7270.3510		7633.9750		291.56	-124.7		P
Lead	mg/Kg	80 - 120	138.3047		44.6465		97.19	96.4		P
Magnesium	mg/Kg	80 - 120	2516.9100		2331.8040		194.37	95.2		P
Manganese	mg/Kg	80 - 120	119.9075		129.1776		19.44	-47.7		P
Nickel	mg/Kg	80 - 120	59.6379		15.8266		48.59	90.2		P
Potassium	mg/Kg	80 - 120	1375.6610		498.6348		971.86	90.2		P
Selenium	mg/Kg	80 - 120	167.4506		0.3985	U	194.37	86.2		P
Silver	mg/Kg	75 - 120	6.4162		0.1458	U	7.29	88.0		P
Sodium	mg/Kg	80 - 120	438.9481		167.8135		291.56	93.0		P
Thallium	mg/Kg	80 - 120	180.2111		0.2624	U	194.37	92.7		P
Vanadium	mg/Kg	80 - 120	46.2525		15.8803		29.16	104.2		P
Zinc	mg/Kg	80 - 120	105.6018		117.1363		19.44	-59.3		P

CHEMTECH

Metals
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MATRIX SPIKE DUPLICATE SUMMARY

Client: Arcadis Inc. **Level:** LOW **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Matrix: SOIL **Sample ID:** D2950-12 **Client ID:** IDW-060412SD

Percent Solids for Sample: 87.2 **Spiked ID:** D2950-12SD **Percent Solids for Spike Sample:** 87.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	80 - 120	6193.7300		5279.3260		194.37	470.4		P
Antimony	mg/Kg	80 - 120	40.5196		0.9593	J	77.75	50.9	N	P
Arsenic	mg/Kg	80 - 120	72.5626		2.2235		77.75	90.5		P
Barium	mg/Kg	80 - 120	84.4008		33.0776		19.44	264.0	N	P
Beryllium	mg/Kg	80 - 120	18.8754		0.2184	J	19.44	96.0		P
Cadmium	mg/Kg	80 - 120	18.5576		0.0583	U	19.44	95.5		P
Calcium	mg/Kg	80 - 120	10828.4100		9562.9470		97.19	1302.1		P
Chromium	mg/Kg	80 - 120	53.4307		14.2548		38.87	100.8		P
Cobalt	mg/Kg	80 - 120	22.3089		3.5223		19.44	96.6		P
Copper	mg/Kg	80 - 120	59.2608		72.5153		29.16	-45.5	N	P
Iron	mg/Kg	80 - 120	8648.6370		7633.9750		291.56	348.0		P
Lead	mg/Kg	80 - 120	164.4476		44.6465		97.19	123.3	N	P
Magnesium	mg/Kg	80 - 120	2575.1250		2331.8040		194.37	125.2		P
Manganese	mg/Kg	80 - 120	149.1215		129.1776		19.44	102.6		P
Nickel	mg/Kg	80 - 120	61.8012		15.8266		48.59	94.6		P
Potassium	mg/Kg	80 - 120	1377.7020		498.6348		971.86	90.5		P
Selenium	mg/Kg	80 - 120	164.2144		0.3985	U	194.37	84.5		P
Silver	mg/Kg	75 - 120	6.3297		0.1458	U	7.29	86.8		P
Sodium	mg/Kg	80 - 120	442.4662		167.8135		291.56	94.2		P
Thallium	mg/Kg	80 - 120	180.6873		0.2624	U	194.37	93.0		P
Vanadium	mg/Kg	80 - 120	48.7016		15.8803		29.16	112.6		P
Zinc	mg/Kg	80 - 120	103.8719		117.1363		19.44	-68.2		P

CHEMTECH

Metals
- 5a -
MATRIX SPIKE SUMMARY

Client: Arcadis Inc. **Level:** LOW **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Matrix: SOIL **Sample ID:** D2975-01 **Client ID:** SB-2S

Percent Solids for Sample: 85 **Spiked ID:** D2975-01S **Percent Solids for Spike Sample:** 85

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	34 - 153	2.8537		2.4966		0.24	148.8		CV

CHEMTECH

Metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

Client: Arcadis Inc. **Level:** LOW **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Matrix: SOIL **Sample ID:** D2975-01 **Client ID:** SB-2SD

Percent Solids for Sample: 85 **Spiked ID:** D2975-01SD **Percent Solids for Spike Sample:** 85

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	34 - 153	2.9260		2.4966		0.24	178.9		CV

CHEMTECH

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Arcadis Inc. **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Matrix: WATER **Level:** LOW **Client ID:** IDW-060412A

Sample ID: D2950-12 **Spiked ID:** D2950-12A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	80 - 120	709.86		10.54	J	800.0	87.4		P
Barium	ug/L	80 - 120	525.68		363.43		200.0	81.1		P
Copper	ug/L	80 - 120	1056.00		796.74		300.0	86.4		P
Lead	ug/L	80 - 120	1414.50		490.54		1000.0	92.4		P

CHEMTECH

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Arcadis Inc. **Level:** LOW **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Matrix: SOIL **Sample ID:** D2919-11 **Client ID:** B1222SS-35BD

Percent Solids for Sample: 94.5 **Duplicate ID** D2919-11D **Percent Solids for Spike Sample:** 94.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.0506		0.0704		32.7	*	CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

CHEMTECH

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Arcadis Inc. **Level:** LOW **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Matrix: SOIL **Sample ID:** D2919-11 **Client ID:** B1222SS-35BSD

Percent Solids for Sample: 94.5 **Duplicate ID** D2919-11SD **Percent Solids for Spike Sample:** 94.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.3014		0.2554		16.5		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

CHEMTECH

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Arcadis Inc. **Level:** LOW **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Matrix: SOIL **Sample ID:** D2950-12 **Client ID:** IDW-060412D

Percent Solids for Sample: 87.2 **Duplicate ID** D2950-12D **Percent Solids for Spike Sample:** 87.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5279.3260		4845.4810		8.6		P
Antimony	mg/Kg	20	0.9593	J	0.8522	J	11.8		P
Arsenic	mg/Kg	20	2.2235		2.0563		7.8		P
Barium	mg/Kg	20	33.0776		42.3828		24.7	*	P
Beryllium	mg/Kg	20	0.2184	J	0.1868	J	15.6		P
Cadmium	mg/Kg	20	0.0593	U	0.0593	U			P
Calcium	mg/Kg	20	9562.9470		5134.6490		60.3	*	P
Chromium	mg/Kg	20	14.2548		12.9647		9.5		P
Cobalt	mg/Kg	20	3.5223		3.2506		8.0		P
Copper	mg/Kg	20	72.5153		19.2542		116.1	*	P
Iron	mg/Kg	20	7633.9750		7642.0640		0.1		P
Lead	mg/Kg	20	44.6465		64.2568		36.0	*	P
Magnesium	mg/Kg	20	2331.8040		1817.7600		24.8	*	P
Manganese	mg/Kg	20	129.1776		93.5385		32.0	*	P
Nickel	mg/Kg	20	15.8266		12.3853		24.4	*	P
Potassium	mg/Kg	20	498.6348		460.7324		7.9		P
Selenium	mg/Kg	20	0.4053	U	1.1774		200.0		P
Silver	mg/Kg	20	0.1483	U	0.1483	U			P
Sodium	mg/Kg	20	167.8135		177.7721		5.8		P
Thallium	mg/Kg	20	0.2669	U	0.2669	U			P
Vanadium	mg/Kg	20	15.8803		22.8132		35.8	*	P
Zinc	mg/Kg	20	117.1363		59.8802		64.7	*	P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

CHEMTECH

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Arcadis Inc. **Level:** LOW **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Matrix: SOIL **Sample ID:** D2950-12 **Client ID:** IDW-060412SD

Percent Solids for Sample: 87.2 **Duplicate ID** D2950-12SD **Percent Solids for Spike Sample:** 87.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5349.7710		6193.7300		14.6		P
Antimony	mg/Kg	20	46.0018		40.5196		12.7		P
Arsenic	mg/Kg	20	72.5441		72.5626		0.0		P
Barium	mg/Kg	20	60.6156		84.4008		32.8	*	P
Beryllium	mg/Kg	20	19.3108		18.8754		2.3		P
Cadmium	mg/Kg	20	18.5304		18.5576		0.1		P
Calcium	mg/Kg	20	8609.1800		10828.4100		22.8	*	P
Chromium	mg/Kg	20	50.7493		53.4307		5.1		P
Cobalt	mg/Kg	20	21.9095		22.3089		1.8		P
Copper	mg/Kg	20	50.0233		59.2608		16.9		P
Iron	mg/Kg	20	7270.3520		8648.6370		17.3		P
Lead	mg/Kg	20	138.3047		164.4476		17.3		P
Magnesium	mg/Kg	20	2516.9110		2575.1250		2.3		P
Manganese	mg/Kg	20	119.9075		149.1215		21.7	*	P
Nickel	mg/Kg	20	59.6379		61.8012		3.6		P
Potassium	mg/Kg	20	1375.6610		1377.7020		0.1		P
Selenium	mg/Kg	20	167.4507		164.2144		2.0		P
Silver	mg/Kg	20	6.4162		6.3297		1.4		P
Sodium	mg/Kg	20	438.9482		442.4662		0.8		P
Thallium	mg/Kg	20	180.2111		180.6873		0.3		P
Vanadium	mg/Kg	20	46.2525		48.7016		5.2		P
Zinc	mg/Kg	20	105.6018		103.8719		1.7		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

CHEMTECH

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Arcadis Inc. **Level:** LOW **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Matrix: SOIL **Sample ID:** D2975-01 **Client ID:** SB-2D

Percent Solids for Sample: 85 **Duplicate ID** D2975-01D **Percent Solids for Spike Sample:** 85

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	2.4966		2.4975		0.0		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

CHEMTECH

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Arcadis Inc. **Level:** LOW **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Matrix: SOIL **Sample ID:** D2975-01 **Client ID:** SB-2SD

Percent Solids for Sample: 85 **Duplicate ID** D2975-01SD **Percent Solids for Spike Sample:** 85

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	2.8536		2.9260		2.5		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

LABORATORY CONTROL SAMPLE SUMMARY

Client: Arcadis Inc. **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB63575BS							
Mercury	mg/Kg	0.200	0.197		98.5	80 - 120	CV

LABORATORY CONTROL SAMPLE SUMMARY

Client: Arcadis Inc. **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB63620BS							
Aluminum	mg/Kg	200.0	182.2		91.1	80 - 120	P
Antimony	mg/Kg	80.0	77.9		97.4	80 - 120	P
Arsenic	mg/Kg	80.0	76.3		95.4	80 - 120	P
Barium	mg/Kg	20.0	19.8		99.0	80 - 120	P
Beryllium	mg/Kg	20.0	19.1		95.5	80 - 120	P
Cadmium	mg/Kg	20.0	18.9		94.5	80 - 120	P
Calcium	mg/Kg	100.0	85.6	J	85.6	80 - 120	P
Chromium	mg/Kg	40.0	37.2		93.0	80 - 120	P
Cobalt	mg/Kg	20.0	18.4		92.0	80 - 120	P
Copper	mg/Kg	30.0	29.8		99.3	80 - 120	P
Iron	mg/Kg	300.0	299.7		99.9	80 - 120	P
Lead	mg/Kg	100.0	93.7		93.7	80 - 120	P
Magnesium	mg/Kg	200.0	193.9		97.0	80 - 120	P
Manganese	mg/Kg	20.0	20.2		101.0	80 - 120	P
Nickel	mg/Kg	50.0	47.1		94.2	80 - 120	P
Potassium	mg/Kg	1000.0	984.9		98.5	80 - 120	P
Selenium	mg/Kg	200.0	191.1		95.6	80 - 120	P
Silver	mg/Kg	7.5	6.9		92.0	75 - 120	P
Sodium	mg/Kg	300.0	299.1		99.7	80 - 120	P
Thallium	mg/Kg	200.0	187.3		93.6	80 - 120	P
Vanadium	mg/Kg	30.0	29.0		96.7	80 - 120	P
Zinc	mg/Kg	20.0	19.2		96.0	80 - 120	P

LABORATORY CONTROL SAMPLE SUMMARY

Client: Arcadis Inc. **SDG No.:** D2950

Contract: MALC02 **Lab Code:** CHEM **Case No.:** D2950 **SAS No.:** D2950

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB63627BS							
Mercury	mg/Kg	0.200	0.208		104.0	73 - 121	CV

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July 11, 2012

Stefan Bagnato
Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065

Project Location: Majestic Cleaners Brooklyn, NY
Client Job Number:
Project Number: 00266384.0000
Laboratory Work Order Number: 12G0003

Enclosed are results of analyses for samples received by the laboratory on June 29, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Charles W. Balicki
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: Stefan Bagnato

REPORT DATE: 7/11/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 00266384.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12G0003

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Majestic Cleaners Brooklyn, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SVE-1035	12G0003-01	Soil Gas		EPA TO-15	
SVE-1230	12G0003-02	Soil Gas		EPA TO-15	
AS/SVE-1400	12G0003-03	Soil Gas		EPA TO-15	
AS/SVE-1540	12G0003-04	Soil Gas		EPA TO-15	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Michael A. Erickson
Laboratory Director

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners Brooklyn, NY
Date Received: 6/29/2012
Field Sample #: SVE-1035
Sample ID: 12G0003-01
Sample Matrix: Soil Gas
Sampled: 6/26/2012 10:35

Sample Description/Location:
Sub Description/Location:
Canister ID: 1119
Canister Size: 6 liter
Flow Controller ID: 4001
Sample Type: grab

Work Order: 12G0003
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -9.5
Flow Controller Type: fixed-orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: Grab

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	Results	RL	Flag	Results	RL	Dilution	Analyzed	Analyst
Acetone	1100	400		2500	950	200	7/11/12 1:49	WSD
Benzene	130	10		420	32	200	7/11/12 1:49	WSD
Benzyl chloride	ND	10		ND	52	200	7/11/12 1:49	WSD
Bromodichloromethane	ND	10		ND	67	200	7/11/12 1:49	WSD
Bromoform	ND	10		ND	100	200	7/11/12 1:49	WSD
Bromomethane	ND	10		ND	39	200	7/11/12 1:49	WSD
1,3-Butadiene	ND	10		ND	22	200	7/11/12 1:49	WSD
2-Butanone (MEK)	ND	400		ND	1200	200	7/11/12 1:49	WSD
Carbon Disulfide	ND	100		ND	310	200	7/11/12 1:49	WSD
Carbon Tetrachloride	ND	10		ND	63	200	7/11/12 1:49	WSD
Chlorobenzene	ND	10		ND	46	200	7/11/12 1:49	WSD
Chloroethane	ND	10		ND	26	200	7/11/12 1:49	WSD
Chloroform	ND	10		ND	49	200	7/11/12 1:49	WSD
Chloromethane	ND	10		ND	21	200	7/11/12 1:49	WSD
Cyclohexane	88	10		300	34	200	7/11/12 1:49	WSD
Dibromochloromethane	ND	10		ND	85	200	7/11/12 1:49	WSD
1,2-Dibromoethane (EDB)	ND	10		ND	77	200	7/11/12 1:49	WSD
1,2-Dichlorobenzene	ND	10		ND	60	200	7/11/12 1:49	WSD
1,3-Dichlorobenzene	ND	10		ND	60	200	7/11/12 1:49	WSD
1,4-Dichlorobenzene	ND	10		ND	60	200	7/11/12 1:49	WSD
Dichlorodifluoromethane (Freon 12)	ND	10		ND	49	200	7/11/12 1:49	WSD
1,1-Dichloroethane	ND	10		ND	40	200	7/11/12 1:49	WSD
1,2-Dichloroethane	ND	10		ND	40	200	7/11/12 1:49	WSD
1,1-Dichloroethylene	200	10		780	40	200	7/11/12 1:49	WSD
cis-1,2-Dichloroethylene	88000	200		350000	790	4000	7/11/12 2:26	WSD
trans-1,2-Dichloroethylene	430	10		1700	40	200	7/11/12 1:49	WSD
1,2-Dichloropropane	ND	10		ND	46	200	7/11/12 1:49	WSD
cis-1,3-Dichloropropene	ND	10		ND	45	200	7/11/12 1:49	WSD
trans-1,3-Dichloropropene	ND	10		ND	45	200	7/11/12 1:49	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	10		ND	70	200	7/11/12 1:49	WSD
1,4-Dioxane	ND	10		ND	36	200	7/11/12 1:49	WSD
Ethanol	ND	400		ND	750	200	7/11/12 1:49	WSD
Ethyl Acetate	ND	10		ND	36	200	7/11/12 1:49	WSD
Ethylbenzene	15	10		64	43	200	7/11/12 1:49	WSD
4-Ethyltoluene	ND	10		ND	49	200	7/11/12 1:49	WSD
Heptane	65	10		270	41	200	7/11/12 1:49	WSD
Hexachlorobutadiene	ND	10		ND	110	200	7/11/12 1:49	WSD

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners Brooklyn, NY
Date Received: 6/29/2012
Field Sample #: SVE-1035
Sample ID: 12G0003-01
Sample Matrix: Soil Gas
Sampled: 6/26/2012 10:35

Sample Description/Location:
Sub Description/Location:
Canister ID: 1119
Canister Size: 6 liter
Flow Controller ID: 4001
Sample Type: grab

Work Order: 12G0003
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -9.5
Flow Controller Type: fixed-orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: Grab

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	400		ND	1400	200	7/11/12 1:49	WSD
2-Hexanone (MBK)	ND	10		ND	41	200	7/11/12 1:49	WSD
Isopropanol	ND	400		ND	980	200	7/11/12 1:49	WSD
Methyl tert-Butyl Ether (MTBE)	ND	10		ND	36	200	7/11/12 1:49	WSD
Methylene Chloride	250	100		870	350	200	7/11/12 1:49	WSD
4-Methyl-2-pentanone (MIBK)	ND	10		ND	41	200	7/11/12 1:49	WSD
Naphthalene	33	10		170	52	200	7/11/12 1:49	WSD
Propene	ND	400		ND	690	200	7/11/12 1:49	WSD
Styrene	ND	10		ND	43	200	7/11/12 1:49	WSD
1,1,2,2-Tetrachloroethane	ND	10		ND	69	200	7/11/12 1:49	WSD
Tetrachloroethylene	120000	200		830000	1400	4000	7/11/12 2:26	WSD
Tetrahydrofuran	ND	10		ND	29	200	7/11/12 1:49	WSD
Toluene	78	10		290	38	200	7/11/12 1:49	WSD
1,2,4-Trichlorobenzene	ND	20		ND	150	200	7/11/12 1:49	WSD
1,1,1-Trichloroethane	ND	10		ND	55	200	7/11/12 1:49	WSD
1,1,2-Trichloroethane	36	10		200	55	200	7/11/12 1:49	WSD
Trichloroethylene	7500	200		40000	1100	4000	7/11/12 2:26	WSD
Trichlorofluoromethane (Freon 11)	ND	10		ND	56	200	7/11/12 1:49	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10		ND	77	200	7/11/12 1:49	WSD
1,2,4-Trimethylbenzene	21	10		110	49	200	7/11/12 1:49	WSD
1,3,5-Trimethylbenzene	11	10		53	49	200	7/11/12 1:49	WSD
Vinyl Acetate	ND	20		ND	70	200	7/11/12 1:49	WSD
Vinyl Chloride	28000	200		71000	510	4000	7/11/12 2:26	WSD
m&p-Xylene	ND	20		ND	87	200	7/11/12 1:49	WSD
o-Xylene	ND	10		ND	43	200	7/11/12 1:49	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	7/11/12 2:26
4-Bromofluorobenzene (1)	102	70-130	7/11/12 1:49

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners Brooklyn, NY
Date Received: 6/29/2012
Field Sample #: SVE-1230
Sample ID: 12G0003-02
Sample Matrix: Soil Gas
Sampled: 6/26/2012 12:30

Sample Description/Location:
Sub Description/Location:
Canister ID: 1623
Canister Size: 6 liter
Flow Controller ID: 4002
Sample Type: grab

Work Order: 12G0003
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -9.2
Flow Controller Type: fixed-orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: Grab

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	980	400		2300	950	200	7/11/12 3:05	WSD
Benzene	39	10		120	32	200	7/11/12 3:05	WSD
Benzyl chloride	ND	10		ND	52	200	7/11/12 3:05	WSD
Bromodichloromethane	ND	10		ND	67	200	7/11/12 3:05	WSD
Bromoform	ND	10		ND	100	200	7/11/12 3:05	WSD
Bromomethane	ND	10		ND	39	200	7/11/12 3:05	WSD
1,3-Butadiene	ND	10		ND	22	200	7/11/12 3:05	WSD
2-Butanone (MEK)	ND	400		ND	1200	200	7/11/12 3:05	WSD
Carbon Disulfide	ND	100		ND	310	200	7/11/12 3:05	WSD
Carbon Tetrachloride	ND	10		ND	63	200	7/11/12 3:05	WSD
Chlorobenzene	ND	10		ND	46	200	7/11/12 3:05	WSD
Chloroethane	ND	10		ND	26	200	7/11/12 3:05	WSD
Chloroform	ND	10		ND	49	200	7/11/12 3:05	WSD
Chloromethane	ND	10		ND	21	200	7/11/12 3:05	WSD
Cyclohexane	30	10		100	34	200	7/11/12 3:05	WSD
Dibromochloromethane	ND	10		ND	85	200	7/11/12 3:05	WSD
1,2-Dibromoethane (EDB)	ND	10		ND	77	200	7/11/12 3:05	WSD
1,2-Dichlorobenzene	ND	10		ND	60	200	7/11/12 3:05	WSD
1,3-Dichlorobenzene	ND	10		ND	60	200	7/11/12 3:05	WSD
1,4-Dichlorobenzene	ND	10		ND	60	200	7/11/12 3:05	WSD
Dichlorodifluoromethane (Freon 12)	ND	10		ND	49	200	7/11/12 3:05	WSD
1,1-Dichloroethane	ND	10		ND	40	200	7/11/12 3:05	WSD
1,2-Dichloroethane	ND	10		ND	40	200	7/11/12 3:05	WSD
1,1-Dichloroethylene	22	10		88	40	200	7/11/12 3:05	WSD
cis-1,2-Dichloroethylene	19000	200		77000	790	4000	7/11/12 3:43	WSD
trans-1,2-Dichloroethylene	91	10		360	40	200	7/11/12 3:05	WSD
1,2-Dichloropropane	ND	10		ND	46	200	7/11/12 3:05	WSD
cis-1,3-Dichloropropene	ND	10		ND	45	200	7/11/12 3:05	WSD
trans-1,3-Dichloropropene	ND	10		ND	45	200	7/11/12 3:05	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	10		ND	70	200	7/11/12 3:05	WSD
1,4-Dioxane	17	10		63	36	200	7/11/12 3:05	WSD
Ethanol	ND	400		ND	750	200	7/11/12 3:05	WSD
Ethyl Acetate	560	10		2000	36	200	7/11/12 3:05	WSD
Ethylbenzene	11	10		49	43	200	7/11/12 3:05	WSD
4-Ethyltoluene	ND	10		ND	49	200	7/11/12 3:05	WSD
Heptane	33	10		140	41	200	7/11/12 3:05	WSD
Hexachlorobutadiene	ND	10		ND	110	200	7/11/12 3:05	WSD

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners Brooklyn, NY
Date Received: 6/29/2012
Field Sample #: SVE-1230
Sample ID: 12G0003-02
Sample Matrix: Soil Gas
Sampled: 6/26/2012 12:30

Sample Description/Location:
Sub Description/Location:
Canister ID: 1623
Canister Size: 6 liter
Flow Controller ID: 4002
Sample Type: grab

Work Order: 12G0003
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -9.2
Flow Controller Type: fixed-orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: Grab

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	400		ND	1400	200	7/11/12 3:05	WSD
2-Hexanone (MBK)	ND	10		ND	41	200	7/11/12 3:05	WSD
Isopropanol	ND	400		ND	980	200	7/11/12 3:05	WSD
Methyl tert-Butyl Ether (MTBE)	ND	10		ND	36	200	7/11/12 3:05	WSD
Methylene Chloride	170	100		610	350	200	7/11/12 3:05	WSD
4-Methyl-2-pentanone (MIBK)	ND	10		ND	41	200	7/11/12 3:05	WSD
Naphthalene	32	10		170	52	200	7/11/12 3:05	WSD
Propene	ND	400		ND	690	200	7/11/12 3:05	WSD
Styrene	ND	10		ND	43	200	7/11/12 3:05	WSD
1,1,2,2-Tetrachloroethane	ND	10		ND	69	200	7/11/12 3:05	WSD
Tetrachloroethylene	41000	200		280000	1400	4000	7/11/12 3:43	WSD
Tetrahydrofuran	ND	10		ND	29	200	7/11/12 3:05	WSD
Toluene	65	10		240	38	200	7/11/12 3:05	WSD
1,2,4-Trichlorobenzene	ND	20		ND	150	200	7/11/12 3:05	WSD
1,1,1-Trichloroethane	ND	10		ND	55	200	7/11/12 3:05	WSD
1,1,2-Trichloroethane	ND	10		ND	55	200	7/11/12 3:05	WSD
Trichloroethylene	2600	10		14000	54	200	7/11/12 3:05	WSD
Trichlorofluoromethane (Freon 11)	ND	10		ND	56	200	7/11/12 3:05	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10		ND	77	200	7/11/12 3:05	WSD
1,2,4-Trimethylbenzene	17	10		83	49	200	7/11/12 3:05	WSD
1,3,5-Trimethylbenzene	ND	10		ND	49	200	7/11/12 3:05	WSD
Vinyl Acetate	ND	20		ND	70	200	7/11/12 3:05	WSD
Vinyl Chloride	5000	10		13000	26	200	7/11/12 3:05	WSD
m&p-Xylene	ND	20		ND	87	200	7/11/12 3:05	WSD
o-Xylene	ND	10		ND	43	200	7/11/12 3:05	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	7/11/12 3:43
4-Bromofluorobenzene (1)	100	70-130	7/11/12 3:05

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners Brooklyn, NY
Date Received: 6/29/2012
Field Sample #: AS/SVE-1400
Sample ID: 12G0003-03
Sample Matrix: Soil Gas
Sampled: 6/26/2012 14:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1868
Canister Size: 6 liter
Flow Controller ID: 5039
Sample Type: grab

Work Order: 12G0003
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -8.9
Flow Controller Type: fixed-orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: Grab

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Acetone	1100	400		2600	950	200	7/11/12 4:22	WSD
Benzene	61	10		200	32	200	7/11/12 4:22	WSD
Benzyl chloride	ND	10		ND	52	200	7/11/12 4:22	WSD
Bromodichloromethane	ND	10		ND	67	200	7/11/12 4:22	WSD
Bromoform	ND	10		ND	100	200	7/11/12 4:22	WSD
Bromomethane	ND	10		ND	39	200	7/11/12 4:22	WSD
1,3-Butadiene	ND	10		ND	22	200	7/11/12 4:22	WSD
2-Butanone (MEK)	ND	400		ND	1200	200	7/11/12 4:22	WSD
Carbon Disulfide	ND	100		ND	310	200	7/11/12 4:22	WSD
Carbon Tetrachloride	ND	10		ND	63	200	7/11/12 4:22	WSD
Chlorobenzene	ND	10		ND	46	200	7/11/12 4:22	WSD
Chloroethane	ND	10		ND	26	200	7/11/12 4:22	WSD
Chloroform	ND	10		ND	49	200	7/11/12 4:22	WSD
Chloromethane	ND	10		ND	21	200	7/11/12 4:22	WSD
Cyclohexane	130	10		460	34	200	7/11/12 4:22	WSD
Dibromochloromethane	ND	10		ND	85	200	7/11/12 4:22	WSD
1,2-Dibromoethane (EDB)	ND	10		ND	77	200	7/11/12 4:22	WSD
1,2-Dichlorobenzene	ND	10		ND	60	200	7/11/12 4:22	WSD
1,3-Dichlorobenzene	ND	10		ND	60	200	7/11/12 4:22	WSD
1,4-Dichlorobenzene	ND	10		ND	60	200	7/11/12 4:22	WSD
Dichlorodifluoromethane (Freon 12)	ND	10		ND	49	200	7/11/12 4:22	WSD
1,1-Dichloroethane	ND	10		ND	40	200	7/11/12 4:22	WSD
1,2-Dichloroethane	ND	10		ND	40	200	7/11/12 4:22	WSD
1,1-Dichloroethylene	33	10		130	40	200	7/11/12 4:22	WSD
cis-1,2-Dichloroethylene	26000	200		100000	790	4000	7/11/12 4:58	WSD
trans-1,2-Dichloroethylene	130	10		530	40	200	7/11/12 4:22	WSD
1,2-Dichloropropane	ND	10		ND	46	200	7/11/12 4:22	WSD
cis-1,3-Dichloropropene	ND	10		ND	45	200	7/11/12 4:22	WSD
trans-1,3-Dichloropropene	ND	10		ND	45	200	7/11/12 4:22	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	10		ND	70	200	7/11/12 4:22	WSD
1,4-Dioxane	ND	10		ND	36	200	7/11/12 4:22	WSD
Ethanol	ND	400		ND	750	200	7/11/12 4:22	WSD
Ethyl Acetate	600	10		2200	36	200	7/11/12 4:22	WSD
Ethylbenzene	52	10		230	43	200	7/11/12 4:22	WSD
4-Ethyltoluene	ND	10		ND	49	200	7/11/12 4:22	WSD
Heptane	130	10		550	41	200	7/11/12 4:22	WSD
Hexachlorobutadiene	ND	10		ND	110	200	7/11/12 4:22	WSD

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners Brooklyn, NY
Date Received: 6/29/2012
Field Sample #: AS/SVE-1400
Sample ID: 12G0003-03
Sample Matrix: Soil Gas
Sampled: 6/26/2012 14:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1868
Canister Size: 6 liter
Flow Controller ID: 5039
Sample Type: grab

Work Order: 12G0003
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -8.9
Flow Controller Type: fixed-orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: Grab

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	400		ND	1400	200	7/11/12 4:22	WSD
2-Hexanone (MBK)	ND	10		ND	41	200	7/11/12 4:22	WSD
Isopropanol	ND	400		ND	980	200	7/11/12 4:22	WSD
Methyl tert-Butyl Ether (MTBE)	ND	10		ND	36	200	7/11/12 4:22	WSD
Methylene Chloride	230	100		790	350	200	7/11/12 4:22	WSD
4-Methyl-2-pentanone (MIBK)	ND	10		ND	41	200	7/11/12 4:22	WSD
Naphthalene	29	10		150	52	200	7/11/12 4:22	WSD
Propene	ND	400		ND	690	200	7/11/12 4:22	WSD
Styrene	ND	10		ND	43	200	7/11/12 4:22	WSD
1,1,2,2-Tetrachloroethane	ND	10		ND	69	200	7/11/12 4:22	WSD
Tetrachloroethylene	57000	200		390000	1400	4000	7/11/12 4:58	WSD
Tetrahydrofuran	ND	10		ND	29	200	7/11/12 4:22	WSD
Toluene	73	10		270	38	200	7/11/12 4:22	WSD
1,2,4-Trichlorobenzene	ND	20		ND	150	200	7/11/12 4:22	WSD
1,1,1-Trichloroethane	ND	10		ND	55	200	7/11/12 4:22	WSD
1,1,2-Trichloroethane	37	10		200	55	200	7/11/12 4:22	WSD
Trichloroethylene	3500	10		19000	54	200	7/11/12 4:22	WSD
Trichlorofluoromethane (Freon 11)	ND	10		ND	56	200	7/11/12 4:22	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10		ND	77	200	7/11/12 4:22	WSD
1,2,4-Trimethylbenzene	34	10		170	49	200	7/11/12 4:22	WSD
1,3,5-Trimethylbenzene	14	10		67	49	200	7/11/12 4:22	WSD
Vinyl Acetate	ND	20		ND	70	200	7/11/12 4:22	WSD
Vinyl Chloride	6900	10		18000	26	200	7/11/12 4:22	WSD
m&p-Xylene	ND	20		ND	87	200	7/11/12 4:22	WSD
o-Xylene	12	10		53	43	200	7/11/12 4:22	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	7/11/12 4:58
4-Bromofluorobenzene (1)	102	70-130	7/11/12 4:22

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners Brooklyn, NY
Date Received: 6/29/2012
Field Sample #: AS/SVE-1540
Sample ID: 12G0003-04
Sample Matrix: Soil Gas
Sampled: 6/26/2012 15:40

Sample Description/Location:
Sub Description/Location:
Canister ID: 1331
Canister Size: 6 liter
Flow Controller ID: 5040
Sample Type: grab

Work Order: 12G0003
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -9
Flow Controller Type: fixed-orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: Grab

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	Results	RL	Flag	Results	RL	Dilution	Analyzed	Analyst
Acetone	1100	400		2700	950	200	7/11/12 5:37	WSD
Benzene	93	10		300	32	200	7/11/12 5:37	WSD
Benzyl chloride	ND	10		ND	52	200	7/11/12 5:37	WSD
Bromodichloromethane	ND	10		ND	67	200	7/11/12 5:37	WSD
Bromoform	ND	10		ND	100	200	7/11/12 5:37	WSD
Bromomethane	ND	10		ND	39	200	7/11/12 5:37	WSD
1,3-Butadiene	ND	10		ND	22	200	7/11/12 5:37	WSD
2-Butanone (MEK)	ND	400		ND	1200	200	7/11/12 5:37	WSD
Carbon Disulfide	110	100		330	310	200	7/11/12 5:37	WSD
Carbon Tetrachloride	ND	10		ND	63	200	7/11/12 5:37	WSD
Chlorobenzene	ND	10		ND	46	200	7/11/12 5:37	WSD
Chloroethane	ND	10		ND	26	200	7/11/12 5:37	WSD
Chloroform	ND	10		ND	49	200	7/11/12 5:37	WSD
Chloromethane	ND	10		ND	21	200	7/11/12 5:37	WSD
Cyclohexane	300	10		1000	34	200	7/11/12 5:37	WSD
Dibromochloromethane	ND	10		ND	85	200	7/11/12 5:37	WSD
1,2-Dibromoethane (EDB)	ND	10		ND	77	200	7/11/12 5:37	WSD
1,2-Dichlorobenzene	ND	10		ND	60	200	7/11/12 5:37	WSD
1,3-Dichlorobenzene	ND	10		ND	60	200	7/11/12 5:37	WSD
1,4-Dichlorobenzene	ND	10		ND	60	200	7/11/12 5:37	WSD
Dichlorodifluoromethane (Freon 12)	ND	10		ND	49	200	7/11/12 5:37	WSD
1,1-Dichloroethane	ND	10		ND	40	200	7/11/12 5:37	WSD
1,2-Dichloroethane	ND	10		ND	40	200	7/11/12 5:37	WSD
1,1-Dichloroethylene	37	10		150	40	200	7/11/12 5:37	WSD
cis-1,2-Dichloroethylene	32000	200		130000	790	4000	7/11/12 6:13	WSD
trans-1,2-Dichloroethylene	170	10		670	40	200	7/11/12 5:37	WSD
1,2-Dichloropropane	ND	10		ND	46	200	7/11/12 5:37	WSD
cis-1,3-Dichloropropene	ND	10		ND	45	200	7/11/12 5:37	WSD
trans-1,3-Dichloropropene	ND	10		ND	45	200	7/11/12 5:37	WSD
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	10		ND	70	200	7/11/12 5:37	WSD
1,4-Dioxane	ND	10		ND	36	200	7/11/12 5:37	WSD
Ethanol	ND	400		ND	750	200	7/11/12 5:37	WSD
Ethyl Acetate	670	10		2400	36	200	7/11/12 5:37	WSD
Ethylbenzene	67	10		290	43	200	7/11/12 5:37	WSD
4-Ethyltoluene	ND	10		ND	49	200	7/11/12 5:37	WSD
Heptane	290	10		1200	41	200	7/11/12 5:37	WSD
Hexachlorobutadiene	ND	10		ND	110	200	7/11/12 5:37	WSD

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ANALYTICAL RESULTS

Project Location: Majestic Cleaners Brooklyn, NY
Date Received: 6/29/2012
Field Sample #: AS/SVE-1540
Sample ID: 12G0003-04
Sample Matrix: Soil Gas
Sampled: 6/26/2012 15:40

Sample Description/Location:
Sub Description/Location:
Canister ID: 1331
Canister Size: 6 liter
Flow Controller ID: 5040
Sample Type: grab

Work Order: 12G0003
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -9
Flow Controller Type: fixed-orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: Grab

EPA TO-15

Analyte	ppbv Results	ppbv RL	Flag	ug/m3 Results	ug/m3 RL	Dilution	Date/Time Analyzed	Analyst
Hexane	ND	400		ND	1400	200	7/11/12 5:37	WSD
2-Hexanone (MBK)	ND	10		ND	41	200	7/11/12 5:37	WSD
Isopropanol	ND	400		ND	980	200	7/11/12 5:37	WSD
Methyl tert-Butyl Ether (MTBE)	ND	10		ND	36	200	7/11/12 5:37	WSD
Methylene Chloride	270	100		930	350	200	7/11/12 5:37	WSD
4-Methyl-2-pentanone (MIBK)	ND	10		ND	41	200	7/11/12 5:37	WSD
Naphthalene	26	10		130	52	200	7/11/12 5:37	WSD
Propene	ND	400		ND	690	200	7/11/12 5:37	WSD
Styrene	ND	10		ND	43	200	7/11/12 5:37	WSD
1,1,2,2-Tetrachloroethane	ND	10		ND	69	200	7/11/12 5:37	WSD
Tetrachloroethylene	67000	200		460000	1400	4000	7/11/12 6:13	WSD
Tetrahydrofuran	ND	10		ND	29	200	7/11/12 5:37	WSD
Toluene	82	10		310	38	200	7/11/12 5:37	WSD
1,2,4-Trichlorobenzene	ND	20		ND	150	200	7/11/12 5:37	WSD
1,1,1-Trichloroethane	ND	10		ND	55	200	7/11/12 5:37	WSD
1,1,2-Trichloroethane	ND	10		ND	55	200	7/11/12 5:37	WSD
Trichloroethylene	4100	10		22000	54	200	7/11/12 5:37	WSD
Trichlorofluoromethane (Freon 11)	ND	10		ND	56	200	7/11/12 5:37	WSD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10		ND	77	200	7/11/12 5:37	WSD
1,2,4-Trimethylbenzene	35	10		170	49	200	7/11/12 5:37	WSD
1,3,5-Trimethylbenzene	12	10		61	49	200	7/11/12 5:37	WSD
Vinyl Acetate	ND	20		ND	70	200	7/11/12 5:37	WSD
Vinyl Chloride	7400	10		19000	26	200	7/11/12 5:37	WSD
m&p-Xylene	22	20		95	87	200	7/11/12 5:37	WSD
o-Xylene	13	10		58	43	200	7/11/12 5:37	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	100	70-130	7/11/12 6:13
4-Bromofluorobenzene (1)	102	70-130	7/11/12 5:37

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Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
12G0003-01 [SVE-1035]	B054839	2	100	10	1000	400	400	07/10/12
12G0003-01RE1 [SVE-1035]	B054839	2	100	10	1000	400	20	07/10/12
12G0003-02 [SVE-1230]	B054839	2	100	10	1000	400	400	07/10/12
12G0003-02RE1 [SVE-1230]	B054839	2	100	10	1000	400	20	07/10/12
12G0003-03 [AS/SVE-1400]	B054839	2	100	10	1000	400	400	07/10/12
12G0003-03RE1 [AS/SVE-1400]	B054839	2	100	10	1000	400	20	07/10/12
12G0003-04 [AS/SVE-1540]	B054839	2	100	10	1000	400	400	07/10/12
12G0003-04RE1 [AS/SVE-1540]	B054839	2	100	10	1000	400	20	07/10/12

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B054839 - TO-15 Prep											
Blank (B054839-BLK1)					Prepared & Analyzed: 07/10/12						
Acetone	ND	1.0									
Benzene	ND	0.025									
Benzyl chloride	ND	0.025									
Bromodichloromethane	ND	0.025									
Bromoform	ND	0.025									
Bromomethane	ND	0.025									
1,3-Butadiene	ND	0.025									
2-Butanone (MEK)	ND	1.0									
Carbon Disulfide	ND	0.25									
Carbon Tetrachloride	ND	0.025									
Chlorobenzene	ND	0.025									
Chloroethane	ND	0.025									
Chloroform	ND	0.025									
Chloromethane	ND	0.025									
Cyclohexane	ND	0.025									
Dibromochloromethane	ND	0.025									
1,2-Dibromoethane (EDB)	ND	0.025									
1,2-Dichlorobenzene	ND	0.025									
1,3-Dichlorobenzene	ND	0.025									
1,4-Dichlorobenzene	ND	0.025									
Dichlorodifluoromethane (Freon 12)	ND	0.025									
1,1-Dichloroethane	ND	0.025									
1,2-Dichloroethane	ND	0.025									
1,1-Dichloroethylene	ND	0.025									
cis-1,2-Dichloroethylene	ND	0.025									
trans-1,2-Dichloroethylene	ND	0.025									
1,2-Dichloropropane	ND	0.025									
cis-1,3-Dichloropropene	ND	0.025									
trans-1,3-Dichloropropene	ND	0.025									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.025									
1,4-Dioxane	ND	0.025									
Ethanol	ND	1.0									
Ethyl Acetate	ND	0.025									
Ethylbenzene	ND	0.025									
4-Ethyltoluene	ND	0.025									
Heptane	ND	0.025									
Hexachlorobutadiene	ND	0.025									
Hexane	ND	1.0									
2-Hexanone (MBK)	ND	0.025									
Isopropanol	ND	1.0									
Methyl tert-Butyl Ether (MTBE)	ND	0.025									
Methylene Chloride	ND	0.25									
4-Methyl-2-pentanone (MIBK)	ND	0.025									
Naphthalene	ND	0.025									
Propene	ND	1.0									
Styrene	ND	0.025									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B054839 - TO-15 Prep											
Blank (B054839-BLK1)					Prepared & Analyzed: 07/10/12						
1,1,2,2-Tetrachloroethane	ND	0.025									
Tetrachloroethylene	ND	0.025									
Tetrahydrofuran	ND	0.025									
Toluene	ND	0.025									
1,2,4-Trichlorobenzene	ND	0.050									
1,1,1-Trichloroethane	ND	0.025									
1,1,2-Trichloroethane	ND	0.025									
Trichloroethylene	ND	0.025									
Trichlorofluoromethane (Freon 11)	ND	0.025									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.025									
1,2,4-Trimethylbenzene	ND	0.025									
1,3,5-Trimethylbenzene	ND	0.025									
Vinyl Acetate	ND	0.050									
Vinyl Chloride	ND	0.025									
m&p-Xylene	ND	0.050									
o-Xylene	ND	0.025									
Surrogate: 4-Bromofluorobenzene (1)	*7.99*				*8.00*		*99.8*	*70-130*			
LCS (B054839-BS1)					Prepared & Analyzed: 07/10/12						
Acetone	4.04				5.00		80.9	50-150			
Benzene	4.14				5.00		82.8	70-130			
Benzyl chloride	4.15				5.00		83.1	70-130			
Bromodichloromethane	4.17				5.00		83.4	70-130			
Bromoform	5.14				5.00		103	70-130			
Bromomethane	5.47				5.00		109	70-130			
1,3-Butadiene	4.69				5.00		93.8	70-130			
2-Butanone (MEK)	4.02				5.00		80.4	70-130			
Carbon Disulfide	4.23				5.00		84.6	70-130			
Carbon Tetrachloride	4.15				5.00		83.0	70-130			
Chlorobenzene	4.85				5.00		97.0	70-130			
Chloroethane	4.98				5.00		99.5	70-130			
Chloroform	5.14				5.00		103	70-130			
Chloromethane	4.59				5.00		91.9	70-130			
Cyclohexane	3.95				5.00		78.9	50-150			
Dibromochloromethane	4.78				5.00		95.7	70-130			
1,2-Dibromoethane (EDB)	4.80				5.00		96.0	70-130			
1,2-Dichlorobenzene	4.94				5.00		98.7	70-130			
1,3-Dichlorobenzene	5.07				5.00		101	70-130			
1,4-Dichlorobenzene	4.95				5.00		99.0	70-130			
Dichlorodifluoromethane (Freon 12)	5.03				5.00		101	70-130			
1,1-Dichloroethane	4.96				5.00		99.1	70-130			
1,2-Dichloroethane	4.55				5.00		91.1	70-130			
1,1-Dichloroethylene	4.36				5.00		87.2	70-130			
cis-1,2-Dichloroethylene	4.97				5.00		99.4	70-130			
trans-1,2-Dichloroethylene	4.68				5.00		93.7	70-130			
1,2-Dichloropropane	4.17				5.00		83.4	70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch B054839 - TO-15 Prep											
LCS (B054839-BS1)					Prepared & Analyzed: 07/10/12						
cis-1,3-Dichloropropene	4.34				5.00		86.7	70-130			
trans-1,3-Dichloropropene	3.81				5.00		76.3	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.43				5.00		109	70-130			
1,4-Dioxane	4.56				5.00		91.3	70-130			
Ethanol	3.89				5.00		77.8	50-150			
Ethyl Acetate	4.30				5.00		86.0	50-150			
Ethylbenzene	4.44				5.00		88.8	70-130			
4-Ethyltoluene	4.46				5.00		89.2	50-150			
Heptane	3.88				5.00		77.5	50-150			
Hexachlorobutadiene	4.73				5.00		94.7	70-130			
Hexane	3.92				5.00		78.4	70-130			
2-Hexanone (MBK)	3.30				5.00		66.1	50-150			
Isopropanol	3.54				5.00		70.7	50-150			
Methyl tert-Butyl Ether (MTBE)	4.72				5.00		94.5	70-130			
Methylene Chloride	3.92				5.00		78.3	70-130			
4-Methyl-2-pentanone (MIBK)	3.95				5.00		78.9	70-130			
Naphthalene	4.62				5.00		92.4	50-150			
Propene	4.72				5.00		94.4	50-150			
Styrene	4.68				5.00		93.7	70-130			
1,1,2,2-Tetrachloroethane	5.05				5.00		101	70-130			
Tetrachloroethylene	4.76				5.00		95.2	70-130			
Tetrahydrofuran	4.21				5.00		84.3	50-150			
Toluene	4.49				5.00		89.8	70-130			
1,2,4-Trichlorobenzene	5.64				5.00		113	70-130			
1,1,1-Trichloroethane	3.84				5.00		76.9	70-130			
1,1,2-Trichloroethane	4.76				5.00		95.1	70-130			
Trichloroethylene	4.48				5.00		89.6	70-130			
Trichlorofluoromethane (Freon 11)	5.10				5.00		102	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.16				5.00		103	70-130			
1,2,4-Trimethylbenzene	4.54				5.00		90.9	70-130			
1,3,5-Trimethylbenzene	4.54				5.00		90.8	70-130			
Vinyl Acetate	3.57				5.00		71.3	70-130			
Vinyl Chloride	5.06				5.00		101	70-130			
m&p-Xylene	8.63				10.0		86.3	70-130			
o-Xylene	4.56				5.00		91.1	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.13*				*8.00*		*102*	*70-130*			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

con-test® ANALYTICAL LABORATORY

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S002520-CCV1)			Lab File ID: F071002.D			Analyzed: 07/10/12 14:33			
Bromochloromethane (1)	157828	8.587	228536	8.592	69	60 - 140	-0.0050	+/-0.50	
1,4-Difluorobenzene (1)	602371	10.333	684560	10.345	88	60 - 140	-0.0120	+/-0.50	
Chlorobenzene-d5 (1)	527019	14.687	610110	14.697	86	60 - 140	-0.0100	+/-0.50	
LCS (B054839-BS1)			Lab File ID: F071003.D			Analyzed: 07/10/12 15:09			
Bromochloromethane (1)	159673	8.587	157828	8.587	101	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	607636	10.34	602371	10.333	101	60 - 140	0.0070	+/-0.50	
Chlorobenzene-d5 (1)	536362	14.687	527019	14.687	102	60 - 140	0.0000	+/-0.50	
Blank (B054839-BLK1)			Lab File ID: F071005.D			Analyzed: 07/10/12 16:31			
Bromochloromethane (1)	154240	8.572	157828	8.587	98	60 - 140	-0.0150	+/-0.50	
1,4-Difluorobenzene (1)	570698	10.325	602371	10.333	95	60 - 140	-0.0080	+/-0.50	
Chlorobenzene-d5 (1)	505627	14.68	527019	14.687	96	60 - 140	-0.0070	+/-0.50	
SVE-1035 (12G0003-01)			Lab File ID: F071017.D			Analyzed: 07/11/12 01:49			
Bromochloromethane (1)	156556	8.594	157828	8.587	99	60 - 140	0.0070	+/-0.50	
1,4-Difluorobenzene (1)	598866	10.34	602371	10.333	99	60 - 140	0.0070	+/-0.50	
Chlorobenzene-d5 (1)	506413	14.71	527019	14.687	96	60 - 140	0.0230	+/-0.50	
SVE-1035 (12G0003-01RE1)			Lab File ID: F071018.D			Analyzed: 07/11/12 02:26			
Bromochloromethane (1)	160562	8.572	157828	8.587	102	60 - 140	-0.0150	+/-0.50	
1,4-Difluorobenzene (1)	616419	10.325	602371	10.333	102	60 - 140	-0.0080	+/-0.50	
Chlorobenzene-d5 (1)	541985	14.68	527019	14.687	103	60 - 140	-0.0070	+/-0.50	
SVE-1230 (12G0003-02)			Lab File ID: F071019.D			Analyzed: 07/11/12 03:05			
Bromochloromethane (1)	162241	8.572	157828	8.587	103	60 - 140	-0.0150	+/-0.50	
1,4-Difluorobenzene (1)	616794	10.326	602371	10.333	102	60 - 140	-0.0070	+/-0.50	
Chlorobenzene-d5 (1)	541078	14.68	527019	14.687	103	60 - 140	-0.0070	+/-0.50	
SVE-1230 (12G0003-02RE1)			Lab File ID: F071020.D			Analyzed: 07/11/12 03:43			
Bromochloromethane (1)	156939	8.572	157828	8.587	99	60 - 140	-0.0150	+/-0.50	
1,4-Difluorobenzene (1)	602188	10.325	602371	10.333	100	60 - 140	-0.0080	+/-0.50	
Chlorobenzene-d5 (1)	531882	14.68	527019	14.687	101	60 - 140	-0.0070	+/-0.50	
AS/SVE-1400 (12G0003-03)			Lab File ID: F071021.D			Analyzed: 07/11/12 04:22			
Bromochloromethane (1)	162733	8.572	157828	8.587	103	60 - 140	-0.0150	+/-0.50	
1,4-Difluorobenzene (1)	614256	10.325	602371	10.333	102	60 - 140	-0.0080	+/-0.50	
Chlorobenzene-d5 (1)	538654	14.688	527019	14.687	102	60 - 140	0.0010	+/-0.50	
AS/SVE-1400 (12G0003-03RE1)			Lab File ID: F071022.D			Analyzed: 07/11/12 04:58			
Bromochloromethane (1)	156541	8.579	157828	8.587	99	60 - 140	-0.0080	+/-0.50	
1,4-Difluorobenzene (1)	608578	10.325	602371	10.333	101	60 - 140	-0.0080	+/-0.50	
Chlorobenzene-d5 (1)	539961	14.68	527019	14.687	102	60 - 140	-0.0070	+/-0.50	

con-test® ANALYTICAL LABORATORY
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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
AS/SVE-1540 (12G0003-04)			Lab File ID: F071023.D			Analyzed: 07/11/12 05:37			
Bromochloromethane (1)	161584	8.587	157828	8.587	102	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	606420	10.333	602371	10.333	101	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	531544	14.695	527019	14.687	101	60 - 140	0.0080	+/-0.50	
AS/SVE-1540 (12G0003-04RE1)			Lab File ID: F071024.D			Analyzed: 07/11/12 06:13			
Bromochloromethane (1)	158385	8.565	157828	8.587	100	60 - 140	-0.0220	+/-0.50	
1,4-Difluorobenzene (1)	625256	10.318	602371	10.333	104	60 - 140	-0.0150	+/-0.50	
Chlorobenzene-d5 (1)	554386	14.68	527019	14.687	105	60 - 140	-0.0070	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S002520-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	3.97	0.9572932	0.7596928	0.05	-20.6	50
Benzene	A	5.00	4.07	0.7445976	0.6066667	0.05	-18.5	30
Benzyl chloride	A	5.00	4.01	1.039369	0.8339555	0.05	-19.8	30
Bromodichloromethane	A	5.00	4.14	0.5037588	0.4174889	0.05	-17.1	30
Bromoform	A	5.00	5.06	0.5202506	0.5260106	0.05	1.1	30
Bromomethane	A	5.00	5.46	0.6800857	0.7419317	0.05	9.1	30
1,3-Butadiene	A	5.00	4.62	0.5168669	0.4774818	0.05	-7.6	30
2-Butanone (MEK)	A	5.00	3.99	1.442287	1.14992	0.05	-20.3	30
Carbon Disulfide	A	5.00	4.22	1.990114	1.677796	0.05	-15.7	30
Carbon Tetrachloride	A	5.00	4.05	0.4616211	0.3742013	0.05	-18.9	30
Chlorobenzene	A	5.00	4.80	0.7711919	0.7404029	0.05	-4.0	30
Chloroethane	A	5.00	4.74	0.3673746	0.3480751	0.05	-5.3	30
Chloroform	A	5.00	5.09	1.424879	1.451758	0.05	1.9	30
Chloromethane	A	5.00	4.55	0.6045946	0.5503814	0.05	-9.0	30
Cyclohexane	A	5.00	3.95	0.3404812	0.2687274	0.05	-21.1	50
Dibromochloromethane	A	5.00	4.76	0.5565529	0.530431	0.05	-4.7	30
1,2-Dibromoethane (EDB)	A	5.00	4.74	0.5224367	0.4953506	0.05	-5.2	30
1,2-Dichlorobenzene	A	5.00	4.80	0.7350193	0.7055776	0.05	-4.0	30
1,3-Dichlorobenzene	A	5.00	4.89	0.774909	0.7578414	0.05	-2.2	30
1,4-Dichlorobenzene	A	5.00	4.76	0.7899202	0.7521915	0.05	-4.8	30
Dichlorodifluoromethane (Freon 12)	A	5.00	4.98	1.676061	1.668611	0.05	-0.4	30
1,1-Dichloroethane	A	5.00	4.91	1.265918	1.242142	0.05	-1.9	30
1,2-Dichloroethane	A	5.00	4.48	0.9102673	0.8151659	0.05	-10.4	30
1,1-Dichloroethylene	A	5.00	4.18	1.036199	0.8665028	0.05	-16.4	30
cis-1,2-Dichloroethylene	A	5.00	4.89	0.9291754	0.908726	0.05	-2.2	30
trans-1,2-Dichloroethylene	A	5.00	4.77	0.994264	0.9477152	0.05	-4.7	30
1,2-Dichloropropane	A	5.00	4.10	0.2704444	0.221684	0.05	-18.0	30
cis-1,3-Dichloropropene	A	5.00	4.33	0.4016621	0.3478335	0.05	-13.4	30
trans-1,3-Dichloropropene	A	5.00	3.57	0.4003214	0.28578	0.05	-28.6	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	5.11	1.873473	1.915341	0.05	2.2	30
1,4-Dioxane	A	5.00	4.58	0.1553033	0.1422565	0.05	-8.4	30
Ethanol	A	5.00	3.36	0.2417121	0.1625567	0.05	-32.7	50
Ethyl Acetate	A	5.00	4.21	0.2271156	0.1913171	0.05	-15.8	50
Ethylbenzene	A	5.00	4.46	1.276998	1.139915	0.05	-10.7	30
4-Ethyltoluene	A	5.00	4.43	1.413115	1.253274	0.05	-11.3	50
Heptane	A	5.00	3.85	0.2255311	0.1736206	0.05	-23.0	50
Hexachlorobutadiene	A	5.00	4.42	0.4997336	0.4415446	0.05	-11.6	30
Hexane	A	5.00	3.78	0.8010376	0.6049421	0.05	-24.5	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S002520-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	3.35	0.6180448	0.4144579	0.05	-32.9	50
Isopropanol	A	5.00	3.27	1.280226	0.8377525	0.05	-34.6	50
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.73	1.981639	1.873148	0.05	-5.5	30
Methylene Chloride	A	5.00	3.69	0.764772	0.564199	0.05	-26.2	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.00	0.2259675	0.1805744	0.05	-20.1	30
Propene	A	5.00	4.70	0.4763985	0.4482753	0.05	-5.9	50
Styrene	A	5.00	4.60	0.7668346	0.7053712	0.05	-8.0	30
1,1,2,2-Tetrachloroethane	A	5.00	4.94	0.697533	0.6892412	0.05	-1.2	30
Tetrachloroethylene	A	5.00	4.72	0.4642605	0.437862	0.05	-5.7	30
Tetrahydrofuran	A	5.00	4.23	0.7981852	0.6751451	0.05	-15.4	50
Toluene	A	5.00	4.46	0.9857128	0.8794977	0.05	-10.8	30
1,2,4-Trichlorobenzene	A	5.00	4.83	0.5310595	0.5129196	0.05	-3.4	30
1,1,1-Trichloroethane	A	5.00	3.82	0.4743502	0.3619829	0.05	-23.7	30
1,1,2-Trichloroethane	A	5.00	4.72	0.3284759	0.3097422	0.05	-5.7	30
Trichloroethylene	A	5.00	4.42	0.3129761	0.2769961	0.05	-11.5	30
Trichlorofluoromethane (Freon 11)	A	5.00	5.11	1.706165	1.744502	0.05	2.2	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	5.06	1.350825	1.365933	0.05	1.1	30
1,2,4-Trimethylbenzene	A	5.00	4.47	1.153349	1.03138	0.05	-10.6	30
1,3,5-Trimethylbenzene	A	5.00	4.47	1.16111	1.038876	0.05	-10.5	30
Vinyl Acetate	A	5.00	3.60	2.070403	1.489115	0.05	-28.1	30
Vinyl Chloride	A	5.00	5.01	0.6972394	0.6982285	0.05	0.1	30
m&p-Xylene	A	10.0	8.54	1.024508	0.8755085	0.05	-14.5	30
o-Xylene	A	5.00	4.48	1.014615	0.9099998	0.05	-10.3	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Acetone	AIHA
Benzene	AIHA,FL,NJ,NY
Benzyl chloride	AIHA,FL,NJ,NY
Bromodichloromethane	AIHA,NJ
Bromoform	AIHA,NJ
Bromomethane	AIHA,FL,NJ,NY
1,3-Butadiene	AIHA,NJ
2-Butanone (MEK)	AIHA,FL,NJ,NY
Carbon Disulfide	AIHA,NJ
Carbon Tetrachloride	AIHA,FL,NJ,NY
Chlorobenzene	AIHA,FL,NJ,NY
Chloroethane	AIHA,FL,NJ,NY
Chloroform	AIHA,FL,NJ,NY
Chloromethane	AIHA,FL,NJ,NY
Cyclohexane	AIHA,NJ
Dibromochloromethane	AIHA,NY
1,2-Dibromoethane (EDB)	AIHA,NJ,NY
1,2-Dichlorobenzene	AIHA,FL,NJ,NY
1,3-Dichlorobenzene	AIHA,NJ,NY
1,4-Dichlorobenzene	AIHA,FL,NJ,NY
Dichlorodifluoromethane (Freon 12)	AIHA,NY
1,1-Dichloroethane	AIHA,FL,NJ,NY
1,2-Dichloroethane	AIHA,FL,NJ,NY
1,1-Dichloroethylene	AIHA,FL,NJ,NY
cis-1,2-Dichloroethylene	AIHA,FL,NY
trans-1,2-Dichloroethylene	AIHA,NJ,NY
1,2-Dichloropropane	AIHA,FL,NJ,NY
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY
trans-1,3-Dichloropropene	AIHA,NY
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ
1,4-Dioxane	AIHA,NJ
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY
4-Ethyltoluene	AIHA,NJ
Heptane	AIHA,NJ,NY
Hexachlorobutadiene	AIHA,NJ,NY
Hexane	AIHA,FL,NJ,NY
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY
Methylene Chloride	AIHA,FL,NJ,NY
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY
Naphthalene	NY
Propene	AIHA
Styrene	AIHA,FL,NJ,NY
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Tetrachloroethylene	AIHA,FL,NJ,NY
Tetrahydrofuran	AIHA
Toluene	AIHA,FL,NJ,NY
1,2,4-Trichlorobenzene	AIHA,NJ,NY
1,1,1-Trichloroethane	AIHA,FL,NJ,NY
1,1,2-Trichloroethane	AIHA,FL,NJ,NY
Trichloroethylene	AIHA,FL,NJ,NY
Trichlorofluoromethane (Freon 11)	AIHA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	AIHA,NJ,NY
1,2,4-Trimethylbenzene	AIHA,NJ,NY
1,3,5-Trimethylbenzene	AIHA,NJ,NY
Vinyl Acetate	AIHA,FL,NJ,NY
Vinyl Chloride	AIHA,FL,NJ,NY
m&p-Xylene	AIHA,FL,NJ,NY
o-Xylene	AIHA,FL,NJ,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2013
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2013
FL	Florida Department of Health	E871027 NELAP	06/30/2013
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

AIR SAMPLE CHAIN OF CUSTODY RECORD

39 SPRUCE ST
EAST LONGMEADOW, MA 01028

Page 1 of 1

1260003

Company Name: ARCADIS U.S. INC.
Address: 855 ROUTE 146, SUITE 210
CLIFTON PARK, NY 12065
Attention: STEFAN BAGNATO
MAJESTIC CLEANERS
Project Location: BROOKLYN, NY
Sampled By: STEFAN BAGNATO

Telephone: (518) 250 7300
Project # 00266384.0000
Client PO #

DATA DELIVERY (check one):
☐ FAX ☑ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email: stefan.bagnato@arcadis-us.com
Format: ☑ EXCEL ☑ PDF ☐ GIS KEY ☐ OTHER___

Proposal Provided? (For Billing purposes)
☐ yes _____ proposal date

Field ID	Sample Description	Media	Lab #	Date Sampled Start Date Time	Date Sampled Stop Date Time	ONLY USE WHEN USING PUMPS Total Minutes Sampled	Flow Rate M^3/Min. or L / Min.	Volume Liters or M^3	Matrix Code*	ANALYSIS REQUESTED Tedlar	" Hg Initial pressure	" Hg Final Pressure	" Hg Lab Receipt Pressure	Summa Canister ID	Flow Controller ID
SVE1035	GRAB	S	01	6/26/12 1035	6/26/12 1035				SG	X	-30	-9	9.5	1119	4009
SVE-1230	GRAB	S	02	6/26/12 1230	6/26/12 1230				SG	X	-28	-8	9.2	1623	4002
AS/SVE-1400	GRAB	S	03	6/26/12 1400	6/26/12 1400				SG	X	-28	-8	9.9	1868	5039
AS/SVE-1540	GRAB	S	04	6/26/12 1540	6/26/12 1540				SG	X	-28	-8	9	1331	5040

Please fill out completely, sign, d and retain the yello copy for your record.

Summa canisters and flow controllers must be returned within 14 days of receipt or rental fees will apply.

Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.

Laboratory Comments:

CLIENT COMMENTS: STD + NYSPEC EDD

Relinquished by: (signature)	Date/Time: 6/27/12 1230
Received by: (signature) Paula	Date/Time: 6.29.12 10:16
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other STD
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
*Approval Required

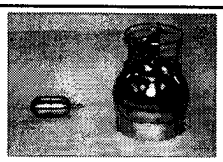
Special Requirements
Regulations:_____
Data Enhancement/RCP? ☐ Y ☐ N
Enhanced Data Package ☒ Y ☐ N
(Surchage Applies)
Required Detection Limits:_____
Other:_____

***Matrix Code:**
SG= SOIL GAS
IA= INDOOR AIR
AMB=AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = other_____

****Media Codes:**
S=summa can
TB=tedlar bag
P=PUF
T=tube
F= filter
C=cassette
O = Other_____

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WBE/DBE Certified



www.contestlabs.com

con-test® ANALYTICAL LABORATORY

AIR Only Receipt Checklist

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

CLIENT NAME: Arcadis **RECEIVED BY:** PB **DATE:** ~~7-2~~ 6.29.12

1) Was the chain(s) of custody relinquished and signed? (Yes) No

2) Does the chain agree with the samples? (Yes) No
If not, explain:

3) Are all the samples in good condition? (Yes) No
If not, explain:

4) Are there any samples "On Hold"? Yes (No) Stored where: _____

5) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)
Who was notified _____ Date _____ Time _____

6) Location where samples are stored: Air Lab

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

Containers received at Con-Test

	# of Containers	Types (Size, Duration)
Summa Cans	5	6 L
Tedlar Bags		
Tubes		
Regulators	4	Grab
Restrictors		
Tubing		
Other		

Unused Summas: 1868, 1623, 1331, 1119, 1302

Unused Regulators: 5039, 5040, 4002, 4001

1) Was all media (used & unused checked into the WASP?

2) Were all returned summa cans, Restrictors, & Regulators documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments:

Air Sampling Media Certificate of Analysis

Date Analyzed: 5/29/2012 **Batch #:** 12CC0178

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC1119 BC1331

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.80	Hexane	<0.02	1,2-Dibromomethane
<0.02	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	0.06	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.02	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
0.24	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.02	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.02	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.80	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: WSD 7/11/12

Air Sampling Media Certificate of Analysis

Date Analyzed: 5/30/2012 **Batch #:** 12CC0180

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC1623

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.80	Hexane	<0.02	1,2-Dibromomethane
<0.02	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	0.25	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
1.01	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.02	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
0.24	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.02	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.02	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.80	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: WSD 7/11/12

Air Sampling Media Certificate of Analysis

Date Analyzed: 5/30/2012 **Batch #:** 12CC0202

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC1868

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.80	Hexane	<0.02	1,2-Dibromomethane
<0.02	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.02	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.02	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.02	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.80	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: WSD 7/11/12